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유공압제품 전문생산업체-CDC뉴매틱

- 1983년 회사설립 (상호: 원진정밀)
- 2000년 ISO 9002 인증 획득, CE Mark 획득
- 2002년 ISO 9001 인증 획득
- 2005년 실용신안권 특허 등록
- 2009년 성실 납세기업 표창장 수상 (기획재정부장관상)
- 2010년 기업부설연구소 인증서 획득 (한국산업기술진흥협회)
- 2012년 본사 확장 이전 (성서 5차 첨단산업단지)
- 2013년 전국 중소기업인대회 대통령표창장 수상
- 착한기업 인증서 획득 (대구 고용·노사민정 협의회 의장)
- 일하기 좋은 으뜸기업 선정 (중소기업진흥공단 이사장)
- 2014년 대구스타기업 선정 (대구광역시)
- 1,000만불 수출탑 수상 (산업자원부장관)
- 2015년 지역강소기업선정(중소기업청)
- ISO 14001 인증 획득



CDC뉴매틱은

「미래지향적 기술개발, 완벽한 품질관리, 고객중심의 봉사정신」이라는 경영목표로 1983년에 설립해 유공압사업을 시작한 이래 낙후된 국내 유공압산업에 중심적 역할을 담당하고자 과감한 설비투자 및 품질향상에 노력을 기울여 왔습니다.



끝없는도전! CDC 뉴매틱

CDC뉴매틱은 공압용 피팅, 유공압 카플러, 식음료용 피팅 및 튜브 등을 전문적으로 생산하는 유공압 피팅류 전문 생산 회사입니다. 끊임없는 기술개발과 설비 투자 및 완벽한 품질 관리로서 해외 유수의 유명 브랜드와 세계시장에서 경쟁하고 있으며, 품질 시스템 구축하기 위한 ISO 9001/ ISO 14001 인증 취득 및 전사적 자원 관리 시스템(ERP) 도입으로 한 단계 더 도약할 수 있는 기틀도 마련하였습니다. 좋은 품질, 경쟁력 있는 가격, 빠른 납기 및 판매 후 고객 만족의 애프터서비스를 최우선으로 생각하며 앞으로도 세계 유공압 산업 시장에서 선도적 위치를 차지하는 최고의 제품을 공급하기 위해 CDC뉴매틱은 계속 노력할 것 입니다.



Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Speed Controller with Pilot Check Valves.
- Hand Valves / Hand Slide Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings (Brass)



- ◀원터치피팅
- 일반 배관형 연결구 제품으로 원터치식 피팅입니다.
 - 다양한 모양과 다양한 제품이 있어 모든 배관의 상황에 맞도록 제품을 선택할 수 있습니다.
 - 튜브 장착 시 원터치 방식으로 공구를 필요로 하지 않습니다.
 - 튜브를 한 동작으로 쉽게 분리 및 연결할 수 있습니다.



- ◀컴팩트 원터치피팅
- 일반 원터치피팅에 비해 40%최소형화된 피팅입니다.
 - 컴팩트피팅의 전 제품은 동계불가(銅系不可)사양으로 무전해 니켈도금이 되어 있습니다.
 - 소형기기 및 협소한 공간의 배관에 적합한 원터치피팅입니다.
 - 개방링이 타원형으로 설계되어 있어 소형의 제품임에도 튜브를 장착 및 개방시 편리합니다.
 - 다양한 모양과 다양한 제품이 있어 모든 배관의 상황에 맞도록 제품을 선택할 수 있습니다.



- ◀스피드 콘트롤러
- 구동기기의 속도제어 밸브로 유량 및 유속을 정밀하게 조절이 가능합니다.
 - 튜브 장착 시 원터치방식으로 착탈에 공구가 필요하지 않습니다.
 - 전 제품 사이즈가 소형화 및 경량화되어 협소한 공간에도 조립이 용이합니다.
 - 취부 후 본체 부분이 360° 회전 가능함으로 튜브방향, 각도를 배관에 맞게 조절하여 사용할 수 있습니다.
 - 대(大)유량을 확보할 수 있도록 설계되었기 때문에 고속으로 작동되는 구동기기의 속도제어 밸브입니다.
 - 니들 회전수가 10~12회전으로 증가되어 속도제어가 용이하고 일정한 속도제어가 가능합니다.
 - 협소한 공간 및 간섭을 제한받을 수 있는 공간에서 드라이브공구를 이용, 속도제어를 용이하게 조절하여 사용할 수 있습니다.(NSC(D)타입)



- ◀파일로트 체크밸브 부착 스피드 콘트롤러
- 실린더의 일시적인 중간정지의 실현
 - 실린더의 속도조절 가능
 - 파일로트 체크밸브와 스피드콘트롤러 일체화
 - 튜브 취부 방향의 360도 자유로운 설정



- ◀핸드밸브 / 핸드 슬라이드 밸브
- 핸드밸브는 공기압기기의 압축공기 입력을 개 · 폐하는 밸브입니다.
 - 핸드밸브는 3WAY방식으로 기계 내부에 잔류하는 잔압을 외부로 배출함으로써 보수공사 및 점검 시에 안전성이 우수한 제품입니다.
 - 핸드슬라이드밸브는 압축공기를 ON/OFF시키는 밸브이며, 제품 재질이 알루미늄과 황동으로 제작되어 반영구적입니다.



- ◀스톱피팅
- 공압배선을 자주 변경하는 곳에 많이 사용합니다.
 - 스톱피팅은 체크밸브와 달리 양방향 모두 공기가 흐르나 튜브개방 시 공기가 차단되어 안전을 도모합니다.
 - 스톱피팅은 튜브 장착 시에만 공기가 흐르게 설계되어 있습니다.



- ◀체크밸브
- 한 쪽 방향으로 입력된 압축공기는 흐르게 하고 반대방향의 공기흐름을 차단하여 진공라인의 보호, 유지 및 저압조건의 배관에 용이하게 사용 가능합니다.
 - 배기쪽의 공기압력이 일정하게 유지되기를 원하는 곳에 사용합니다.
 - 최소사용 압력은 0.1kgf/cm이며 진공에서는 1.42PSI를 유지합니다.
 - 저압상태에서 사용되는 기기들의 배관에 적합합니다.



- ◀배기밸브
- 급속배기 밸브 + 배기속도 조절기 기능.
 - 실린더의 고속구동 실현
 - 소음기 내장형 속도조절 원터치 피팅.

Fluidfit Series

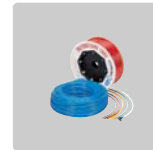
- Metric Fittings
- Inch Fittings
- Large Size Fittings
- Check Valves
- Flow Control Valves
- Ball Valves
- Accessories
- Tube



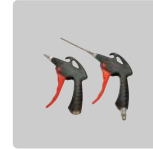
- ◀투터치피팅
- 콤팩트한 배관 공간에서 튜브의 유지력이 크고 탈착이 용이한 나사식 조임 피팅입니다.
 - 충격 및 진동이 심한 곳에서 사용이 용이합니다.
 - 수지부분은 사출성형품으로 내면이 깨끗하며 내화학적, 내부식성, 내약품성이 우수합니다.
 - 수지제품으로 반영구적입니다.



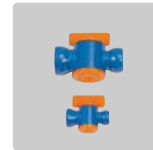
- ◀소음기
- 기기의 배기포트에 장착하여 배기소음을 감소시키는 제품입니다.
 - 소음 효과가 우수하며 반영구적으로 사용할 수 있습니다.
 - 제품 크기가 소형화되어 가볍고 조립하기가 용이합니다.
 - 제품 단가가 저렴하고 내구성이 좋습니다.
 - 급속형 소음기는 고온, 고압의 상태에서 충격성이 강하고 용접 및 접합이 용이하므로 기계 및 액체를 사용하는 환경에 널리 사용할 수 있습니다.
 - 플라스틱 소음기와 급속형 소음기 2종류가 있어 작업환경에 맞게 적용하여 사용하시면 됩니다.



- ◀튜브
- 유연성, 내유성, 내마모성, 내한성 등이 우수합니다.
 - 물리적 성능의 저하 및 치수변화가 적으며, 가볍고 유연하여 배관 조립시 작업성이 좋습니다.
 - 일반 공기압배관용 및 화학플랜트, 식품산업, 의료기에 널리 사용됩니다.
 - 작업환경에 맞게 여러가지 색상의 튜브를 사용하실 수 있습니다.



- ◀에어건
- 디자인이 심플하며, 가볍고 충격에 견고합니다.
 - 공기의 분사량 조절이 용이합니다.
 - 제품세척 및 기계의 이물질, 먼지제거 등에 용이하며, 분사 노즐길이가 다양하여 협소한 장소에서도 사용이 용이합니다.



- ◀오일 자바라
- 효과적인 절삭유 공급 및 세척공정에 탁월한 효과가 있습니다.
 - 내부식성, 내화학적, 비전도성이 좋습니다.
 - 플라스틱으로 제작되어 반영구적이며 가볍습니다.
 - 제품 종류가 다름종으로 사용용도에 맞게 적용하여 사용에 용이합니다.



- ◀카플러
- 소켓의 내부에는 자동 개폐밸브를 내장한 편로 개폐형 밸브입니다.
 - 재질 및 형태가 다양함으로 사용 용도 및 환경에 맞게 카플러를 선정하여 사용할 수 있습니다.
 - 플러그와 소켓의 체결 및 분리가 부드러워 사용하기가 용이합니다.



- ◀황동 투터치피팅
- 충격 및 진동이 심한 장비, 배관 환경에서 사용이 용이합니다.
 - 인서트에 붙어 있는 타입이므로 내압 · 내진동성에 뛰어납니다.
 - 튜브를 보다 확실하게 연결 고정시킬 수 있으며 나사부에 코팅처리가 되어 있어 배관에 효율적입니다.



- ◀식품/음료용 피팅
- 한 번의 동작으로 튜브를 밀어 넣어 탈, 부착이 용이하며, 보다 간편하고 안정하게 사용할 수 있습니다.
 - 공압피팅과 달리 코르크방식으로 밀폐기능이 뛰어나며, 누수현상에 대해 내구성이 뛰어납니다.
 - 제품 재질은 FDA (미 식품 의약 안정청) 승인 물질로 제작되어 보다 안전하며, NSF(미국위생협회)51, 61승인을 바탕으로 제작된 제품입니다.
 - 식음료 Fitting은 Sleeve가 타원형으로 제작되어 있습니다.
 - 사용 환경, 용도에 따라 다양한 제품을 선정하여 사용할 수 있습니다.



안전상의 주의 및 경고표시의 분류방법

Classification of Warning Indications



안전상의 주의 및 경고표시의 분류방법



DANGER 위험

확실히 위험한 상태로 회피하지 않으면 사망 또는 중상을 입을 가능성이 있는 것.
Death or serious injury may occur.



WARNING 경고

사용 상황에 따라 위험한 상태로 회피하지 않으면 사망 또는 중상을 입을 수 있는 위험상태.
Depending on the specific situation, death or serious injury may occur.



CAUTION 주의

사용 상황에 따라 위험한 상태로 회피하지 않으면 중·경상 또는 재산상의 손실 및 손상의 가능성이 있는 상태.
Depending on the specific situation, serious · light injury or loss of property may occur.

본 종합카달로그내 제품 주의사항



위험 DANGER

- 다음과 같은 용도로는 사용하지 마십시오.
- ① 인명 및 신체의 유지, 관리 등을 목적으로 하는 기기
 - ② 사람의 이동과 운송을 목적으로 하는 기기
 - ③ 특히 안전을 최우선으로 하는 기기



경고 WARNING

- 아래와 같은 환경에서는 사용을 자제하여 주십시오.
- ① 각 제품마다 기재되어 있는 사양 및 조건 이외의 사용
 - ② 원터치피팅의 개방량은 압력이 가해져 있을 때에는 절대로 만지지 마십시오. (튜브빠짐의 원인으로 위험가능성 예고)
 - ③ 제품의 잡아당김, 구부림, 비틀림 등 부하가 가해지지 않도록 주의하여 주십시오. (본체 파손의 원인으로 위험 가능성 예고)
 - ④ 각 제품마다 과도한 진동 및 충격, 회전, 구부림이 가해지는 장소
 - ⑤ 부식성유체, 인화성유체, 화학약품, 해수(海水), 물, 수증기의 조건 또는 부착되는 장소에서의 사용

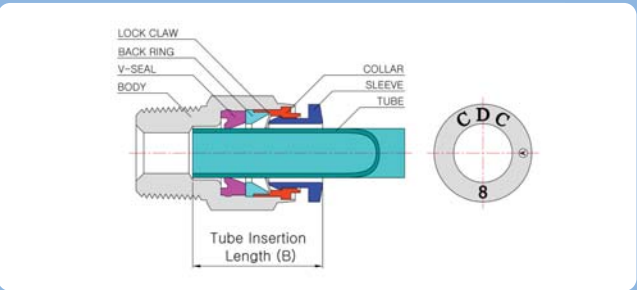


주의 CAUTION

- ① 배관 조립 시에 먼지나 이물질 등 불순물을 완전히 제거한 후 조립하여 주십시오.
- ② 제품 조립 시 권장 허용 토오크량 이상의 과도한 힘으로 체결 시 제품손상 및 나사의 부러짐으로 인해 품질에 문제가 발생될 소지가 있으며, 또한 권장 토오크량 이하로 조립할 경우에는 나사부의 풀림으로 인해 누설의 원인이 될 가능성이 있습니다.
- ③ 나사부를 조일 경우에 나사 규격별 권장 토오크량 도표를 참조하여 체결하십시오.
- ④ 피팅 제품에 튜브 장착 시
피팅에 튜브의 끝단 부위까지 밀어 넣었는지 확인하여 아래 표1과 같이 피팅에 튜브 결합 깊이를 확인하신 후 사용하시기 바랍니다.
- ⑤ CDC뉴매틱 제품이외의 제품과 혼용하여 사용하지 마십시오.
공차를 만족하지 못한 제품을 사용할 경우에는 튜브빠짐 및 Air누설 현상이 발생할 수 있으므로 가급적 당사제품으로만 사용하시기 바랍니다.

권장 취부 토오크량 (나사규격별)

나사의 종류	나사의 사이즈	권장토크량(kgf·cm)
미터나사(mm)	M3×P0.5	0.7 Nm
	M5×P0.8	1.5 Nm
	M6×P1.0	2.3 Nm
관용테이퍼나사(PT)	R1/8	7 Nm
	R1/4	12 Nm
	R3/8	22 Nm
	R1/2	28 Nm
유니파이나사(UNF)	No. 10-32 UNF	1.5 Nm
NPT 나사	NPT1/16	7 Nm
	NPT1/8	7 Nm
	NPT1/4	12 Nm
	NPT3/8	22 Nm
	NPT1/2	28 Nm
관용평형(PF)나사	G 1/8	10 Nm
	G 1/4	15 Nm
	G 3/8	25 Nm
	G 1/2	40 Nm



[표1] 튜브결합깊이
스탠더드피팅사양

튜브결합깊이	Standard Type						Compact Type		
	φ4	φ6	φ8	φ10	φ12	φ16	φ3	φ4	φ6
B	15.0	16.5	18.8	20.1	22.9	23.6	11.3	11.8	12.9

인치피팅사양

튜브결합깊이	Standard Type						Compact Type		
	φ5/32	φ3/16	φ1/4	φ5/16	φ3/8	φ1/2	φ1/8	φ5/32	φ1/4
B	15.0	15.9	16.8	18.8	20.1	23.1	11.3	11.8	13.5

피팅 제품의 주의사항

Common Precaution on Fitting Products



피팅 제품의 주의사항



- ❶ 공기, 물(제품에 따라 일부 제품에만 가능함)이외의 유체에는 사용하지 마십시오. 다른 유체를 사용할 시 당사에 문의하여 적용하시기 바랍니다.
- ❷ 60℃이상의 온수, 높은 온도의 유체 사용 시 열 및 튜브 재질상 가수분해현상이 발생하여 튜브, 피팅에 변형이 발생할 수 있으니 사용을 금합니다.
- ❸ 피팅제품에 비틀림, 잡아당김, 구부림 등 부하가 걸리지 않도록 해 주십시오.
- ❹ 스파터(Spatter)가 발생하는 장소에서는 스파터로 인하여 화재의 위험요소가 높으니 사용을 자제하여 주십시오.
- ❺ 튜브, 나사측에 회전 및 요동하는 장소에서는 회전으로 인하여 제품 파손 또는 에어누설의 원인이 될 수 있으므로 당사 카탈로그를 참조하여 제품을 선택 후 사용하시기 바랍니다.
- ❻ 물에서 사용할 경우는 서지압력으로 파괴될 경우가 있으므로 그 점을 주의하십시오.
- ❼ 절삭유, 윤활유, 냉각유 등의 액체가 직접 닿는 환경에서는 사용하지 마십시오.
- ❽ 약품류를 사용할 때에는 반드시 내약성 자료란을 참조하시기 바랍니다.



- ❶ 배관 작업시 배관 내의 이물질 및 먼지를 완전히 제거한 후 조립을 하여 주십시오.
- ❷ 피팅 제품은 공기를 원활하게 이송해 주는 연결구 계수관제품으로 그 목적 이외에서의 사용은 피해 주십시오.
- ❸ 튜브 착탈 슬리브는 원형으로 설계되어 있어 협소한 장소 및 공간에 제약을 받지 않으나 공간에 제약을 받을 시 당사의 다른 제품(컴팩트피팅등..)을 선택하여 사용 바랍니다.
- ❹ CDC뉴매틱 이외의 제품을 사용할 경우에는 튜브의 외경공차 허용범위에 속해 있는지 아래 표1을 참조 확인후 사용 바랍니다.

[표1]튜브 외경공차

▶mm Size별 외경공차 (Unit/mm)

튜브규격	Ø3	Ø4	Ø6	Ø8	Ø10	Ø12	Ø16
허용공차	±0.1	±0.1	±0.1	±0.1	±0.15	±0.15	±0.15

▶Inch Size별 외경공차 (Unit/mm)

튜브규격	Ø1/8	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2
허용공차	±0.1	±0.1	±0.1	±0.1	±0.1	±0.15	±0.15

- ❺ 피팅제품에 튜브 장착 시
 - 피팅에 튜브의 끝단 부위까지 밀어 넣었는지 확인 후 사용 바랍니다.
 - 피팅에 튜브 장착 시 튜브의 절단면이 직각으로 절단하여 속까지 끼운 후에 튜브를 가볍게 당겨 빠지지 않는지 확인하십시오.
 - 만약 타원형 형상 및 튜브의 외경파손, 굽힘자국이 있을 경우에는 Air누설현상, 튜브빠짐 현상이 발생될 소지가 있으니 꼭 확인한 후 사용 바랍니다.
 - 폴리우레탄 재질의 튜브는 내압을 가하면 외경이 팽창하기 때문에 피팅에 재장착할 수 없는 경우가 발생됩니다. 따라서 튜브 외경을 확인하고 외경 정도가 심할 경우에는 튜브를 교체하여 사용 바랍니다.

튜브 접속방법

- 1.준비 사용에 필요한 Tube 및 Tube Cutter, Fitting 접속공구 (Spanner 또는 Monkey)를 준비하여 주십시오.
- 2.TUBE의 절단 Tube Cutter 를 사용하여 Tube 를 축방향과 수직으로 절단하여 주십시오
- 3.Fitting의 접속 Spanner 또는 Monkey를 이용하여, 하기의 권장조임Torque 범위내에서 단단히 조여 주십시오.
- 4.TUBE의 삽입 Tube에 Tube삽입길이를 Marking한 후, Fitting본체에 대해서도 직선으로 삽입하여 주십시오 이때 Marking 위치가 개방 Sleeve단면에 있는지를 확인하여 주십시오

피팅 제품의 주의사항



- ❻ 피팅제품에 튜브 개방 시
 - 피팅제품에 튜브 개방 시 튜브 내의 압력이 제로(0)상태인지 확인한 후 튜브를 개방하십시오.
 - 튜브 개방 시 개방링을 끝까지 균등하게 밀어 누른 후 튜브를 손으로 잡아당겨 빼내 주십시오.
 - 분리한 튜브를 재사용할 때는 튜브의 눌린 부분을 절단하고 사용하십시오.

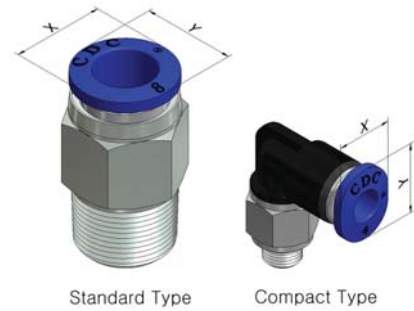
[표2]튜브 개방용 슬리브의 규격

스탠더드사양 슬리브 규격 (Unit/mm)

슬리브 규격	Standard Type							Compact Type		
	Ø4	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø3	Ø4	Ø6
X	9.7	11.8	13.8	16.6	19	22	25.2	7.2	8.2	10.2
Y	-	-	-	-	-	-	-	9.2	10.4	12.4

인치사양 슬리브 규격 (Unit/mm)

슬리브 규격	Standard Type							Compact Type		
	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2	Ø1/8	Ø5/32	Ø1/4	
X	9.7	11.1	12.6	13.8	16.8	19.9	7.2	8.2	10.8	
Y	-	-	-	-	-	-	9.2	10.4	12.8	



- ❼ 본체 취부상의 주의점
 - 피팅제품 조립시 피팅 육각부를 이용하여 규격에 맞는 적절한 공구를 사용하여 조립하시기 바랍니다.
 - 취부 전에 나사의 치수 및 Metric thread의 규격, 사이즈 등을 아래 표3을 참조하여 확인하신 후 조립하십시오.

[표3] 피팅나사별 치수

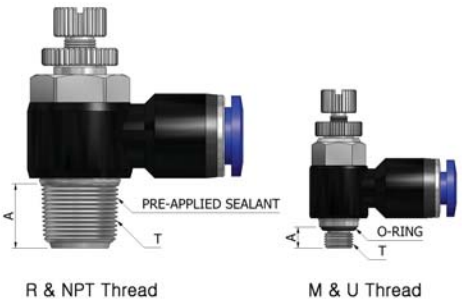
(Unit/mm)

나사의 종류	M Thread		R Thread			
	M5	M6	R1/8	R1/4	R3/8	R1/2
나사의 크기 (T)						
나사의 길이 (A)	4	4.1	8	10	11	14

나사의 종류	U Thread		NPT Thread			
	UNF 10/32		R1/8	R1/4	R3/8	R1/2
나사의 크기 (T)						
나사의 길이 (A)	4.1		8.5	10.5	11.5	14.5

Metric Thread Specifications

Thread Code	Thread Size	Applicable product
M3	M3× 0.5	전 제품에 적용됨
M5	M5× 0.8	
M6	M6× 1.0	



- 나사부에는 테프론 코딩가공처리를 기본으로 생산함에 있어 별도로 테프론 테이프나 쉘링 처리를 하지 않아도 됩니다.
- 제품 조립 시 권장 토크량 이상의 과다한 힘으로 체결 시 제품 손상 및 나사의 부러짐으로 인해 품질에 문제가 발생될 소지가 있으므로 주의하여 체결하시기 바랍니다.

Conversion

kgf/cm ²	bar	Pa(N/m ²)	atm	mHg	lbf/in2(PSI)
1	0.980665	0.980665E5	0.9678	0.7356	14.22
1.0197	1	1E-5	0.9869	0.7501	14.50
1.0197E-5	1E-5	1	0.9869E-5	7.501E-6	1.450E-4
1.0332	1.0325	1.0325E5	1	0.760	14.70
1.3595	1.3332	1.3332E5	1.3158	1	19.34
0.07031	0.06895	6.895E3	0.06805	0.05171	1

One-Touch Fittings

METRIC - BSPT(R)

page Model	28 PC	30 PCF	32 POC	34 PMM	34 PMP	35 PCP
	36 PMF	38 PL	40 PL45	42 PLF	44 PLL	46 PLL P
	48 PT	50 PTF	52 PST	54 PWT	56 PLM	57 PXT
	58 PKD	59 CAS	60 PH	62 PHF	64 PHL(2)	65 PHL(3)
	66 PHT(1)	67 PHT(2)	68 PHT(3)	69 PA	70 PAF	71 PAT(2)
	72 PAT(3)	73 PUC	74 PUL	75 PUT	76 PY	77 PW
	78 PG	79 PGT	80 PGT	81 PLJ	82 PGJ	83 PYJ

84 PWJ	85 PTJ	86 PSJ	87 PIJ	87 PIG	88 PP
89 PPF	90 PZA	91 PKG	92 PXG	92 PXJ	93 PKJ

METRIC - BSPP(G)

page Model	28 PC-G	30 PCF-G	36 PMF-G	38 PL-G	40 PL45-G	42 PLF-G
	44 PLL-G	46 PLL P-G	48 PT-G	50 PTF-G	52 PST-G	54 PWT-G
	57 PXT-G	58 PKD-G	60 PH-G	62 PHF-G	64 PHL-G(2)	65 PHL-G(3)
	66 PHT-G(1)	67 PHT-G(2)	68 PHT-G(3)	69 PA-G	70 PAF-G	71 PAT-G(2)
	72 PAT-G(3)					

Compact One-Touch Fittings

METRIC - BSPT(R)

page Model	98 PC-C	100 PCF-C	102 POC-C	104 PL-C	106 PLL-C	108 PT-C
						
	110 PST-C	112 PMM-C	113 PUC-C	113 PUL-C	114 PUT-C	115 PG-C
						
	116 PY-C	117 PW-C	118 PGJ-C	119 PP-C		
						

METRIC - BSPP(G)

page Model	98 PC-G-C	106 PL-G-C
		

Speed Controllers

METRIC - BSPT(R)

page Model	124 NSC	126 NSC(D)	128 NSC(DC)	130 NSS	131 NSS(D)	132 NSS(DC)
						
	133 NSF	134 NSFB	135 ESC	136 NSCF	137 NSFF	137 NSFP
						
	138 NSCP	140 NSSP				
						

METRIC - BSPP(G)

page Model	124 NSC-G	126 NSC-G(D)	128 NSC-G(DC)	130 NSS-G	131 NSS-G(D)	132 NSS-G(DC)
						
	136 NSCF-G	138 NSCP-G	140 NSSP-G			
						

Speed Controller with Pilot Check Valves

METRIC - BSPT(R) METRIC - BSPP(G) BSPT(R) BSPP(G)

page Model	144 PVSC	144 PVSC-G	145 PVSF	145 PVSF-G
				

Hand Valves / Hand Slide Valves / Ball Valves

METRIC - BSPT(R)

page	150	152	154	155	156	157
Model	HVC	HVF	HVU	HVM	HSV	HBVU
						

METRIC - BSPP(G)

page	150	152	155
Model	HVC-G	HVF-G	HVM-G
			

Stop Fittings

METRIC - BSPT(R)

page	162	164	166
Model	SPC	SPL	SPU
			

METRIC - BSPP(G)

page	162	164
Model	SPC-G	SPL-G
		

Check Valves

METRIC - BSPT(R)

page	172	174	175	175
Model	CVPC	CVPF	CVPU	CVFF
				

METRIC - BSPP(G)

page	172	174	175
Model	CVPC-G	CVPF-G	CVFF-G
			

Two -Touch Fittings

page	179	179	179
Model	CK	GCK	FCK
			

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Silencers / Metal Silencers

page Model	182 ST	182 STB	183 STB(V)	183 STC		
						

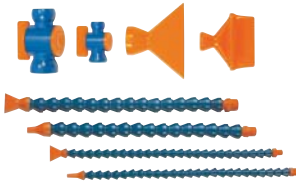
Tubes / Coil Tube / Tube Cutter

page Model	186 PU	187 NA	187 PE	188 UC	188 UC C	189 ETC
						

Air Guns

page Model	191 CA	191 CA-G(F)	191 CB01	191 CB01-G(F)		
						

Oil Ejector Lines

page Model	193 OEL					
						

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Couplers(Steel)

page Model	198 SH	198 SM	199 SF	199 SN	200 PH	200 PM
						
	201 PF	201 PN				
						

One-Touch Couplers

	202 OSH	202 OSM	203 OSF	203 OSN		
						

Coupler(Brass)

page Model	204 BSH	204 BSM	204 BSF	205 BPH	205 BPM	205 BPF
						

Mold Coupler(Brass)

page Model	206 KSH	206 KSM	206 KSF	207 KPH	207 KPM	207 KPF
						

Line Coupler

page Model	208 LC2A	208 LC3A	209 LC03	209 OLC2A	209 OLC3A	
						

SP Coupler

page Model	211 S	211 P	211 TS	211 TP	213 RPM20-D	213 RPM20-S
						

Rotary Coupler

Two-Touch Fittings (Brass)

METRIC

page Model	218 CC	219 CL	220 CT	221 CUC	221 CUL	222 CUT
						
	222 CSM	223 CSN	223 NUT			
						

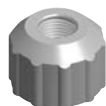
INCH

page Model	218 CC	219 CL	221 CUC	222 CUT	223 CSN	223 NUT
						

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Fittings For Water Application

METRIC

page Model	230 HPC	230 HPC-G	232 HCF-G	232 HCF-UNF	232 HCF-UNS	232 HCF-NH
						
	234 HCJ	234 HCJ-G	235 HPL	236 HLJ	237 HGJ	238 HMM
						
	239 HUC	240 HUL	241 HUT	242 HUY	242 HZA	243 HPF
						
	244 HPP	244 HCBB	244 HUFF	245 HCAS-F	245 HCAS-H	
						

INCH

page Model	231 HPC	231 HPC-G	231 HPC-R	231 HPC-MFL	233 HCF	233 HCF-G
						
	233 HCF-UNF	233 HCF-UN	234 HCJ	235 HPL	236 HLJ	237 HGJ
						
	238 HMM	239 HUC	240 HUL	241 HUT	242 HUY	243 HBU
						

243 HPF	244 HPP
	

LARGE SIZE FITTING

page Model	246 HPC-G	246 HCJ-G	246 HLJ	247 HGJ	247 HUC	247 HUL
						
page Model	248 HUT	248 HPF	248 HPP	248 HCBB		
						

SINGLE CHECK VALVES

page Model	249 HCVU	249 HCVU	250 HSLB	250 HSLB
				

FLOW CONTROL VALVES

BALL VALVES

page Model	251 HBVU	251 HBVU	251 HCVB
			

ACCESSORIES

page Model	252 HCP	252 HCP	253 PE
			

POLYETHYLENE TUBE

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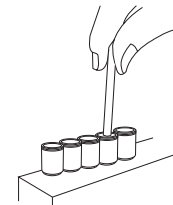
One-Touch Fittings



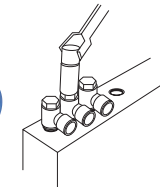
Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Speed Controller with Pilot Check Valves
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings (Brass)

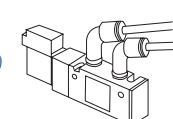
형식



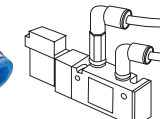
PC, POC
피팅 조립시 육각렌치 및 스페너 공구를 사용하여 체결하는 좁은 공간용 피팅



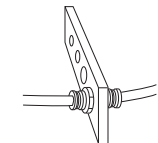
PH
좁은 공간에 박스렌치를 사용하여 조립하는 좁은 공간용 피팅



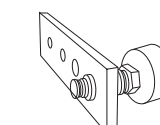
PL
구동 기기 및 배관에 90도로 회전 가능한 피팅



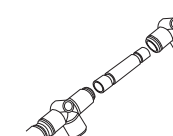
PLL
PL제품과 동일한 기능이나 배관을 입체화하여 피팅 간격의 간섭을 최대한 방지하는 환경에 효율적으로 사용



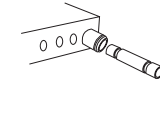
PMM
패널취부용으로 중계접속에 사용



PMF
패널 취부용 휘팅으로 상대물의 수나사와 튜브의 중간 연결에 사용



PIJ
원터치 피팅을 서로 접속하는데 사용



PIG
사이즈가 다른 원터치 휘팅 끼리 접속하는데 사용.

One -Touch Fittings

용도 Applications

- 공기압 배관에 사용하는 원터치식 관 연결구입니다
- 사용자의 환경에 따라서 다양하게 사용할 수 있습니다

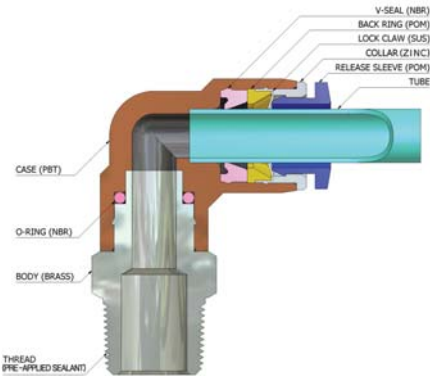
특징 Features

- 한번의 동작으로 튜브를 밀어넣어 손쉽게 탈착할 수 있습니다
- PC Type 은 내측과 외측이 육각으로 되어 있어서 협소한 장소의 배관시에 효과적입니다
- PL과 PT Type의 본체는 회전하는 구조이기 때문에 튜브의 배관이 효율적입니다
- 나사부에는 오링 및 테프론 처리가 되어 있습니다

사양 Specifications

- 사용유체 Fluid type : 압축공기 Air(No other gases or liquids) Do not use with water application
- 사용압력 Working pressure : 0~150PSI / 0~9.9kgf/cm²(0~990kPa)
※적용Tube와의 조합에 있어서 Tube의 최고 사용압력에 의거합니다
- 부압 Negative pressure : -29.5 in Hg / -750mmHg(750Torr)
- 사용온도 범위 Working temperature : 32~140° F / 0~60°C
- 사용호스 종류 Applicable Tube : Polyurethane and Nylon

Structural Diagram



변환

kgf/cm ²	bar	Pa(N/m ²)	atm	mHg	lbf/in2(PSI)
1	0.980665	0.980665E5	0.9678	0.7356	14.22
1.0197	1	1E+5	0.9869	0.7501	14.50
1.0197E-5	1E-5	1	0.9869E-5	7.501E-6	1.450E-4
1.0332	1.0325	1.0325E5	1	0.760	14.70
1.3595	1.3332	1.3332E5	1.3158	1	19.34
0.07031	0.06895	6.895E3	0.06805	0.05171	1

사용예

- 나사 체결 조립 시 외부의 육각부 및 내부의 육각부는 스패너공구, 육각렌치를 사용하여 조립하시면 됩니다.
- PL, PT모텔은 사출바디가 회전됨으로 인해 배관에 따라 방향을 설정하여 사용이 가능합니다
- 슬리브가 원형이므로 장비설비에 간섭을 받지 않습니다.

주의사항

- 사용하기 전에 반드시 안전상의 주의 및 경고표시의 분류방법 (p9)과 피팅제품의 주의사항(p10)을 참조하여 주십시오.
- 피팅의 체결 적정 토크를 참조하여 조립하기 바랍니다. (p9)
- 기준으로는 손으로 체결한 후 공구로 2~3회전 하는 것에 해당합니다. 너무 세게 조립할 경우 나사가 파손됨으로 주의 하십시오.
- 피팅의 튜브 장착 시 튜브의 절단면이 직각으로 절단하여 속까지 끼운 후에 튜브를 가볍게 당겨 빠지지 않는지 확인하십시오.
- 장력이 걸린 상태에서의 배관은 피하고, 피팅의 튜브 삽입구에서는 급작스런 곡률 배관을 피하여 주십시오.

경고사항

- 몸체나 피팅부에 충격공구에 의한 비틀림, 타격을 피하십시오. 제품 파손이나 에어누설의 원인이 됩니다.
- 사용유체가 물일때 사양에 명기되어 있는 조건을 모두 만족시키지 못할 경우에는 사용을 자제하여 주십시오.
- 피팅의 파손 튜브배짐, 압축공기 누설의 원인이 됩니다.

주문형식 Product Code System

METRIC - BSPT(R)

PC 06-01-N

OneTouch Fitting	Tube Dia		Thread Size		Plating
	CODE	SIZE	CODE	SIZE	
	04	Ø4	M5	M5×0.8	Sleeve Color Blue
	06	Ø6	M6	M6×1.0	
	08	Ø8	M12	M12×1.5	
	10	Ø10	M14	M14×1.5	
	12	Ø12	M16	M16×1.5	
	14	Ø14	M22	M22×1.5	
	16	Ø16			
			R(PT) THREAD		
			CODE	SIZE	
			01	R1/8	
			02	R1/4	
			03	R3/8	
			04	R1/2	

METRIC - BSPP(G)

PC 06-G01

OneTouch Fitting	Tube Dia		Thread Size		Sleeve Color
	CODE	SIZE	G(PF) THREAD		
	04	Ø4	G01	G1/8	Blue
	06	Ø6	G02	G1/4	
	08	Ø8	G03	G3/8	
	10	Ø10	G04	G1/2	
	12	Ø12			
	14	Ø14			
	16	Ø16			

INCH - BSPT(R)

PC-1/4-01

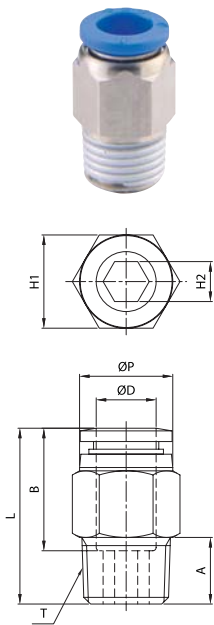
OneTouch Fitting	Tube Dia		Thread Size		Sleeve Color
	CODE	SIZE	R(PT) THREAD		
	5/32	Ø5/32	01	R1/8	Black
	3/16	Ø3/16	02	R1/4	
	1/4	Ø1/4	03	R3/8	
	5/16	Ø5/16	04	R1/2	
	3/8	Ø3/8			
	1/2	Ø1/2			

INCH - NPT

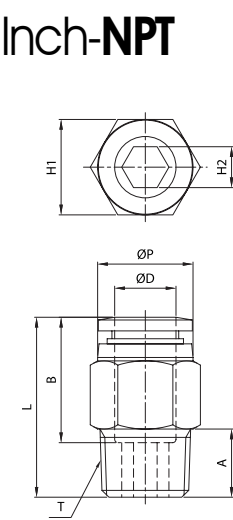
PC-1/4-N1

OneTouch Fitting	Tube Dia		Thread Size		Sleeve Color
	CODE	SIZE	UNF THREAD		
	5/32	Ø5/32	U	10-32UNF	Black
	3/16	Ø3/16			
	1/4	Ø1/4	NPT THREAD		
	5/16	Ø5/16	CODE	SIZE	
	3/8	Ø3/8	N1	NPT1/8	
	1/2	Ø1/2	N2	NPT1/4	
			N3	NPT3/8	
			N4	NPT1/2	

PC
Metric-BSPT(R)

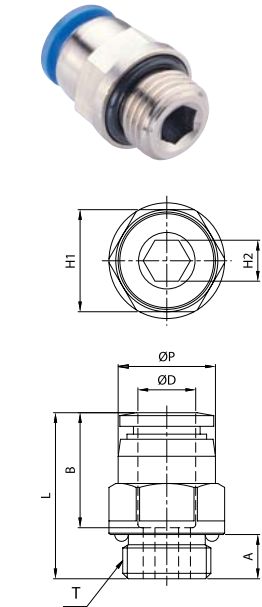


MODEL	ØD	ØP	T	L	A	B	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PC 04-M5	4	10.0	M5×0.8p	20.9	4.0	14.8	10	-	2.5	7.0	100
PC 04-M6	4	10.0	M6×1.0p	20.9	4.1	14.8	10	-	3.0	8.0	100
PC 04-01	4	10.0	R 1/8	22.0	8.0	14.8	10	3	3.0	9.0	100
PC 04-02	4	10.0	R 1/4	21.0	10.0	14.8	14	3	3.0	16.0	100
PC 04-03	4	10.0	R 3/8	22.0	11.0	14.8	17	3	3.0	28.0	100
PC 06-M5	6	12.0	M5×0.8p	23.1	4.0	16.4	12	-	2.5	10.0	100
PC 06-M6	6	12.0	M6×1.0p	23.0	4.1	16.4	12	-	3.0	10.0	100
PC 06-01	6	12.0	R 1/8	23.4	8.0	16.4	12	4	4.0	10.0	100
PC 06-02	6	12.0	R 1/4	21.9	10.0	16.4	14	5	5.0	14.0	100
PC 06-03	6	12.0	R 3/8	22.9	11.0	16.4	17	5	5.0	25.0	100
PC 06-04	6	12.0	R 1/2	29.2	14.0	16.4	19	5	5.0	53.0	50
PC 08-01	8	14.0	R 1/8	28.4	8.0	18.4	14	5	5.0	15.0	100
PC 08-02	8	14.0	R 1/4	26.4	10.0	18.4	14	6	6.0	16.0	100
PC 08-03	8	14.0	R 3/8	23.9	11.0	18.4	17	6	6.0	24.0	100
PC 08-04	8	14.0	R 1/2	29.4	14.0	18.4	19	6	6.0	49.0	50
PC 10-01	10	16.1	R 1/8	29.9	8.0	19.7	17	5	5.0	21.0	100
PC 10-02	10	16.1	R 1/4	31.4	10.0	19.7	17	6	6.0	24.0	100
PC 10-03	10	16.1	R 3/8	27.5	11.0	19.7	17	8	8.0	24.0	100
PC 10-04	10	16.1	R 1/2	29.9	14.0	19.7	19	8	8.0	45.0	50
PC 12-01	12	19.0	R 1/8	33.2	8.0	21.9	19	5	5.0	30.0	50
PC 12-02	12	19.0	R 1/4	33.7	10.0	21.9	19	6	6.0	30.0	50
PC 12-03	12	19.0	R 3/8	30.7	11.0	21.9	19	8	8.0	29.0	50
PC 12-04	12	19.0	R 1/2	30.2	14.0	21.9	19	8	8.0	38.0	50
PC 14-03	14	24.0	R 3/8	36.6	11.0	23.8	22	10	10.0	42.0	25
PC 14-04	14	24.0	R 1/2	34.0	14.0	23.8	22	10	10.0	49.0	25
PC 16-03	16	24.0	R 3/8	37.5	11.0	24.0	24	10	10.0	51.0	25
PC 16-04	16	24.0	R 1/2	40.5	14.0	24.0	24	10	10.0	65.0	25

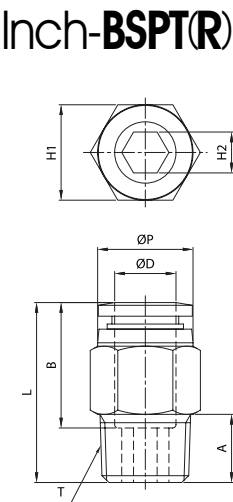


MODEL	ØD	ØP	T	L	A	B	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PC 5/32-U	5/32	10.5	UNF 10/32	22.5	4.1	14.8	7/16	3/32	2.5	5.8	100
PC 5/32-N1	5/32	10.5	NPT 1/8	19.5	8.5	14.8	7/16	1/8	3.2	7.8	100
PC 5/32-N2	5/32	10.5	NPT 1/4	22.0	10.5	14.8	9/16	1/8	3.2	14.8	100
PC 5/32-N3	5/32	10.5	NPT 3/8	23.0	11.5	14.8	11/16	1/8	3.2	24.8	100
PC 3/16-U	3/16	11.0	UNF 10/32	22.8	4.1	15.8	7/16	3/32	2.5	7.8	100
PC 3/16-N1	3/16	11.0	NPT 1/8	23.3	8.5	15.8	7/16	1/8	3.2	14.8	100
PC 3/16-N2	3/16	11.0	NPT 1/4	23.3	10.5	15.8	9/16	1/8	3.2	24.8	100
PC 3/16-N3	3/16	11.0	NPT 3/8	24.3	11.5	15.8	11/16	1/8	3.2	24.8	100
PC 1/4-U	1/4	12.7	UNF 10/32	24.0	4.1	16.9	1/2	3/32	2.5	8.8	100
PC 1/4-N1	1/4	12.7	NPT 1/8	24.0	8.5	16.9	1/2	3/16	4.8	8.8	100
PC 1/4-N2	1/4	12.7	NPT 1/4	23.4	10.5	16.9	9/16	3/16	4.8	12.8	100
PC 1/4-N3	1/4	12.7	NPT 3/8	24.4	11.5	16.9	11/16	3/16	4.8	23.8	100
PC 1/4-N4	1/4	12.7	NPT 1/2	27.4	14.5	16.9	7/8	3/16	4.8	49.8	50
PC 5/16-N1	5/16	14.0	NPT 1/8	28.7	8.5	18.5	9/16	3/16	4.8	12.7	100
PC 5/16-N2	5/16	14.0	NPT 1/4	26.5	10.5	18.5	9/16	1/4	6.4	14.7	100
PC 5/16-N3	5/16	14.0	NPT 3/8	24.5	11.5	18.5	11/16	1/4	6.4	21.7	100
PC 5/16-N4	5/16	14.0	NPT 1/2	27.5	14.5	18.5	7/8	1/4	6.4	59.7	50
PC 3/8-N1	3/8	16.7	NPT 1/8	30.0	8.5	19.6	11/16	3/16	4.8	21.4	100
PC 3/8-N2	3/8	16.7	NPT 1/4	31.0	10.5	19.6	11/16	1/4	6.4	25.4	100
PC 3/8-N3	3/8	16.7	NPT 3/8	27.7	11.5	19.6	11/16	5/16	8.0	20.4	100
PC 3/8-N4	3/8	16.7	NPT 1/2	28.2	14.5	19.6	7/8	5/16	8.0	50.4	50
PC 1/2-N1	1/2	20.8	NPT 1/8	33.4	8.5	22.7	7/8	3/16	4.8	32.1	50
PC 1/2-N2	1/2	20.8	NPT 1/4	35.4	10.5	22.7	7/8	1/4	6.4	35.1	50
PC 1/2-N3	1/2	20.8	NPT 3/8	31.9	11.5	22.7	7/8	3/8	9.6	36.1	50
PC 1/2-N4	1/2	20.8	NPT 1/2	31.4	14.5	22.7	7/8	3/8	9.6	46.1	50

PC-G
Metric-BSPP(G)



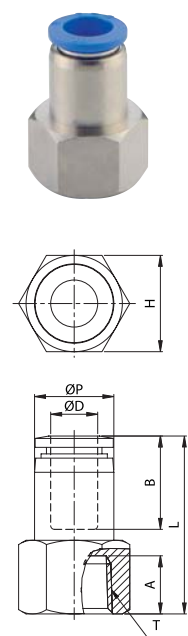
MODEL	ØD	ØP	T	L	A	B	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PC 04-G01	4	10.3	G 1/8	20.0	5.0	14.8	13	3	3.0	11.0	100
PC 04-G02	4	10.3	G 1/4	21.5	6.5	14.8	15	3	3.0	19.0	100
PC 04-G03	4	10.3	G 3/8	21.5	6.5	14.8	17	3	3.0	28.0	100
PC 06-G01	6	12.3	G 1/8	21.2	5.0	16.4	13	4	4.0	10.0	100
PC 06-G02	6	12.3	G 1/4	23.2	6.5	16.4	15	5	5.0	17.0	100
PC 06-G03	6	12.3	G 3/8	22.2	6.5	16.4	17	5	5.0	23.0	100
PC 08-G01	8	14.3	G 1/8	26.9	5.0	18.4	15	5	5.0	17.0	100
PC 08-G02	8	14.3	G 1/4	24.4	6.5	18.4	15	6	6.0	16.0	100
PC 08-G03	8	14.3	G 3/8	23.4	6.5	18.4	17	6	6.0	24.0	100
PC 08-G04	8	14.3	G 1/2	23.9	8.0	18.4	21	6	6.0	38.0	50
PC 10-G01	10	16.5	G 1/8	28.9	5.0	19.7	17	5	5.0	22.0	100
PC 10-G02	10	16.5	G 1/4	28.9	6.5	19.7	17	6	6.0	23.0	100
PC 10-G03	10	16.5	G 3/8	25.4	6.5	19.7	17	8	8.0	20.0	100
PC 10-G04	10	16.5	G 1/2	25.9	8.0	19.7	21	8	8.0	39.0	50
PC 12-G02	12	19.0	G 1/4	31.7	6.5	21.9	19	6	6.0	29.0	50
PC 12-G03	12	19.0	G 3/8	27.2	6.5	21.9	19	8	8.0	23.0	50
PC 12-G04	12	19.0	G 1/2	28.2	8.0	21.9	21	8	8.0	36.0	50
PC 14-G03	14	21.8	G 3/8	33.5	6.5	23.8	22	10	10.0	48.0	25
PC 14-G04	14	21.8	G 1/2	32.8	8.0	23.8	24	10	10.0	57.0	25
PC 16-G03	16	24.0	G 3/8	36.5	8.0	24.0	24	10	10.0	55.0	25
PC 16-G04	16	24.0	G 1/2	36.5	9.0	24.0	24	10	10.0	62.0	25



MODEL	ØD	ØP	T	L	A	B	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PC 1/4-01	1/4	12.7	R 1/8	23.5	8.0	16.9	13	5	5.0	8.8	100
PC 1/4-02	1/4	12.7	R 1/4	22.9	10.0	16.9	14	5	5.0	12.8	100
PC 1/4-03	1/4	12.7	R 3/8	23.9	11.0	16.9	17	5	5.0	23.8	100
PC 5/16-01	5/16	14.0	R 1/8	28.5	8.0	18.5	14	5	5.0	14.7	100
PC 5/16-02	5/16	14.0	R 1/4	26.5	10.0	18.5	14	6	6.0	18.7	100
PC 5/16-03	5/16	14.0	R 3/8	24.0	11.0	18.5	17	6	6.0	21.7	100
PC 3/8-01	3/8	16.7	R 1/8	29.7	8.0	19.6	17	5	5.0	21.4	100
PC 3/8-02	3/8	16.7	R 1/4	30.5	10.0	19.6	17	6	6.0	25.4	100
PC 3/8-03	3/8	16.7	R 3/8	27.3	11.0	19.6	17	8	8.0	20.4	100
PC 3/8-04	3/8	16.7	R 1/2	27.2	14.0	19.6	21	8	8.0	50.4	50
PC 1/2-02	1/2	20.8	R 1/4	34.9	10.0	22.7	21	6	6.0	35.1	50
PC 1/2-03	1/2	20.8	R 3/8	31.4	11.0	22.7	21	10	10.0	36.1	50
PC 1/2-04	1/2	20.8	R 1/2	30.9	14.0	22.7	21	10	10.0	46.1	50

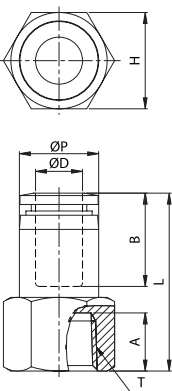
PCF

Metric-BSPT(R)



MODEL	ØD	ØP	T	L	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PCF 04-M5	4	10.0	M5×0.8p	26.0	7.0	14.8	12	3.5	16.0	100
PCF 04-01	4	10.0	Rc 1/8	27.1	9.0	14.8	14	3.5	17.0	100
PCF 04-02	4	10.0	Rc 1/4	29.1	11.0	14.8	17	3.5	22.0	100
PCF 04-03	4	10.0	Rc 3/8	30.1	12.0	14.8	22	3.5	38.0	50
PCF 06-M5	6	12.0	M5×0.8p	26.7	7.0	16.4	12	4.2	20.0	100
PCF 06-01	6	12.0	Rc 1/8	28.2	9.0	16.4	14	5.0	18.0	100
PCF 06-02	6	12.0	Rc 1/4	30.2	11.0	16.4	17	5.0	24.0	100
PCF 06-03	6	12.0	Rc 3/8	31.2	12.0	16.4	22	5.0	38.0	50
PCF 06-04	6	12.0	Rc 1/2	33.2	14.0	16.4	24	5.0	41.0	50
PCF 08-01	8	14.0	Rc 1/8	29.4	9.0	18.4	14	6.0	19.0	100
PCF 08-02	8	14.0	Rc 1/4	31.4	11.0	18.4	17	6.0	24.0	100
PCF 08-03	8	14.0	Rc 3/8	32.4	12.0	18.4	22	6.0	39.0	50
PCF 08-04	8	14.0	Rc 1/2	34.4	14.0	18.4	24	6.0	41.0	50
PCF 10-01	10	16.4	Rc 1/8	32.6	9.0	19.7	17	8.5	31.0	100
PCF 10-02	10	16.4	Rc 1/4	32.6	11.0	19.7	17	8.5	26.0	100
PCF 10-03	10	16.4	Rc 3/8	33.6	12.0	19.7	22	8.5	41.0	50
PCF 10-04	10	16.4	Rc 1/2	35.6	14.0	19.7	24	8.5	43.0	50
PCF 12-02	12	19.0	Rc 1/4	37.1	11.0	21.9	22	10.0	54.0	50
PCF 12-03	12	19.0	Rc 3/8	37.1	12.0	21.9	22	10.0	46.0	50
PCF 12-04	12	19.0	Rc 1/2	39.1	14.0	21.9	24	10.0	50.0	25

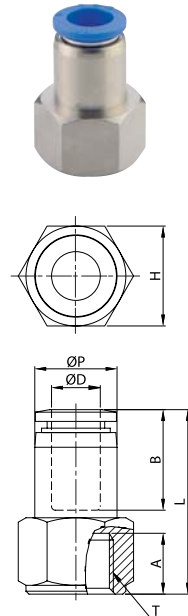
Inch-NPT



MODEL	ØD	ØP	T	L	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PCF 5/32-N1	5/32	10.0	NPT 1/8	27.1	9.5	14.8	9/16	3.5	15.8	100
PCF 5/32-N2	5/32	10.0	NPT 1/4	29.6	11.5	14.8	11/16	3.5	19.8	100
PCF 3/16-N1	3/16	11.1	NPT 1/8	28.3	9.5	15.8	9/16	4.0	15.8	100
PCF 3/16-N2	3/16	11.1	NPT 1/4	30.3	11.5	15.8	11/16	4.0	19.8	100
PCF 1/4-N1	1/4	13.0	NPT 1/8	28.8	9.5	16.9	9/16	5.0	18.8	100
PCF 1/4-N2	1/4	13.0	NPT 1/4	30.8	11.5	16.9	11/16	5.0	23.8	100
PCF 1/4-N3	1/4	13.0	NPT 3/8	32.8	12.5	16.9	7/8	5.0	39.8	50
PCF 5/16-N1	5/16	14.0	NPT 1/8	29.5	9.5	18.5	9/16	6.0	18.7	100
PCF 5/16-N2	5/16	14.0	NPT 1/4	32.0	11.5	18.5	11/16	6.0	25.7	100
PCF 5/16-N3	5/16	14.0	NPT 3/8	32.5	12.5	18.5	7/8	6.0	38.7	50
PCF 5/16-N4	5/16	14.0	NPT 1/2	34.5	14.5	18.5	15/16	6.0	45.7	50
PCF 3/8-N1	3/8	16.7	NPT 1/8	33.1	9.5	19.6	11/16	8.0	29.4	100
PCF 3/8-N2	3/8	16.7	NPT 1/4	33.1	11.5	19.6	11/16	8.0	26.4	100
PCF 3/8-N3	3/8	16.7	NPT 3/8	34.1	12.5	19.6	7/8	8.0	39.4	50
PCF 3/8-N4	3/8	16.7	NPT 1/2	36.7	14.5	19.6	15/16	8.0	41.4	25
PCF 1/2-N2	1/2	20.8	NPT 1/4	37.5	11.5	22.7	7/8	10.0	53.1	25
PCF 1/2-N3	1/2	20.8	NPT 3/8	37.5	12.5	22.7	7/8	10.0	45.1	25
PCF 1/2-N4	1/2	20.8	NPT 1/2	39.4	14.5	22.7	15/16	10.0	52.2	25

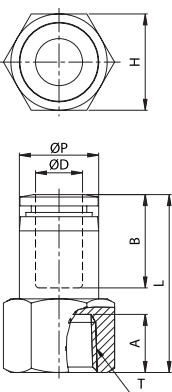
PCF-G

Metric-BSPP(G)



MODEL	ØD	ØP	T	L	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PCF 04-G01	4	10.0	G 1/8	27.1	9.0	14.8	14	3.5	16.0	100
PCF 04-G02	4	10.0	G 1/4	29.1	11.0	14.8	17	3.5	20.0	100
PCF 04-G03	4	10.0	G 3/8	30.1	12.0	14.8	22	3.5	35.0	50
PCF 06-G01	6	12.0	G 1/8	28.2	10.0	16.4	14	5.0	17.0	100
PCF 06-G02	6	12.0	G 1/4	30.2	11.0	16.4	17	5.0	23.0	100
PCF 06-G03	6	12.0	G 3/8	31.2	12.0	16.4	22	5.0	36.0	50
PCF 08-G01	8	14.0	G 1/8	29.4	10.0	18.4	14	6.0	19.0	100
PCF 08-G02	8	14.0	G 1/4	31.4	11.0	18.4	17	6.0	24.0	100
PCF 08-G03	8	14.0	G 3/8	32.4	12.0	18.4	22	6.0	38.0	50
PCF 08-G04	8	14.0	G 1/2	34.4	14.0	18.4	24	6.0	37.0	50
PCF 10-G01	10	16.4	G 1/8	32.6	10.0	19.7	17	8.5	31.0	100
PCF 10-G02	10	16.4	G 1/4	32.6	11.0	19.7	17	8.5	25.0	100
PCF 10-G03	10	16.4	G 3/8	33.6	12.0	19.7	22	8.5	39.0	50
PCF 10-G04	10	16.4	G 1/2	35.6	14.0	19.7	24	8.5	42.0	50
PCF 12-G02	12	19.0	G 1/4	37.1	11.0	21.9	22	10.0	52.0	50
PCF 12-G03	12	19.0	G 3/8	37.1	12.0	21.9	22	10.0	45.0	50
PCF 12-G04	12	19.0	G 1/2	39.1	14.0	21.9	24	10.0	48.0	25

Inch-BSPT(R)



MODEL	ØD	ØP	T	L	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PCF 1/4-01	1/4	13.0	Rc 1/8	28.8	9.0	16.9	14	5.0	18.8	100
PCF 1/4-02	1/4	13.0	Rc 1/4	30.8	11.5	16.9	17	5.0	23.8	100
PCF 5/16-01	5/16	14.0	Rc 1/8	29.5	9.0	18.5	17	6.0	18.7	100
PCF 5/16-02	5/16	14.0	Rc 1/4	31.5	11.0	18.5	17	6.0	25.7	100
PCF 3/8-02	3/8	16.7	Rc 1/4	33.1	11.0	19.6	17	8.5	26.4	100
PCF 3/8-03	3/8	16.7	Rc 3/8	34.1	12.0	19.6	22	8.5	39.4	50

ONE-TOUCH FITTINGS

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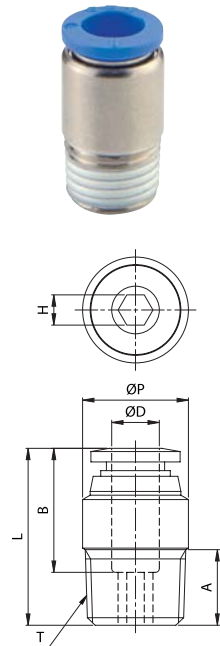
C

T

F

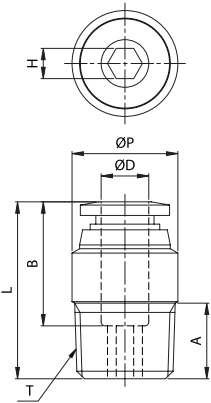
POC

Metric-BSPT(R)



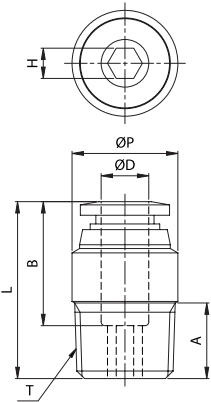
MODEL	ØD	ØP	T	L	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
POC 04-M5	4	10.0	M5×0.8p	20.9	4.0	14.8	2	2.0	6.0	100
POC 04-M6	4	10.0	M6×1.0p	21.3	4.6	14.8	3	3.0	6.0	100
POC 04-01	4	10.0	R 1/8	20.8	8.0	14.8	3	3.0	8.0	100
POC 04-02	4	14.0	R 1/4	20.8	10.0	14.8	3	3.0	15.0	100
POC 04-03	4	17.0	R 3/8	20.8	11.0	14.8	3	3.0	24.0	100
POC 06-M5	6	12.0	M5×0.8p	23.1	4.0	16.4	2	2.0	8.0	100
POC 06-M6	6	12.0	M6×1.0p	23.5	4.6	16.4	3	3.0	8.0	100
POC 06-01	6	12.0	R 1/8	22.7	8.0	16.4	4	4.0	9.0	100
POC 06-02	6	14.0	R 1/4	23.4	10.0	16.4	4	4.0	15.0	100
POC 06-03	6	17.0	R 3/8	23.4	11.0	16.4	4	4.0	25.0	100
POC 08-01	8	14.0	R 1/8	27.9	8.0	18.4	5	5.0	14.0	100
POC 08-02	8	14.0	R 1/4	25.9	10.0	18.4	6	6.0	14.0	100
POC 08-03	8	17.0	R 3/8	25.9	11.0	18.4	6	6.0	25.0	100
POC 08-04	8	21.0	R 1/2	27.3	14.0	18.4	6	6.0	46.0	50
POC 10-01	10	17.0	R 1/8	29.9	8.0	19.7	5	5.0	19.0	100
POC 10-02	10	17.0	R 1/4	27.8	10.0	19.7	6	6.0	17.0	100
POC 10-03	10	17.0	R 3/8	27.8	11.0	19.7	8	8.0	22.0	100
POC 10-04	10	21.0	R 1/2	27.8	14.0	19.7	8	8.0	40.0	50
POC 12-01	12	19.0	R 1/8	32.2	8.0	21.9	5	5.0	24.0	50
POC 12-02	12	19.0	R 1/4	33.8	10.0	21.9	6	6.0	26.0	50
POC 12-03	12	19.0	R 3/8	31.7	11.0	21.9	8	8.0	26.0	50
POC 12-04	12	21.0	R 1/2	30.2	14.0	21.9	8	8.0	40.0	50

Inch-NPT



MODEL	ØD	ØP	T	L	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
POC 5/32-U	5/32	11.0	UNF 10/32	21.4	4.1	14.8	3/32	2.4	5.8	100
POC 5/32-N1	5/32	11.0	NPT 1/8	21.0	8.5	14.8	1/8	3.2	6.8	100
POC 5/32-N2	5/32	14.0	NPT 1/4	22.0	10.5	14.8	1/8	3.2	13.8	100
POC 3/16-U	3/16	11.0	UNF 10/32	22.8	4.1	15.8	3/32	2.4	5.8	100
POC 3/16-N1	3/16	12.0	NPT 1/8	22.8	8.5	15.8	1/8	3.2	6.8	100
POC 3/16-N2	3/16	14.0	NPT 1/4	23.8	10.5	15.8	1/8	3.2	13.8	100
POC 1/4-U	1/4	13.0	UNF 10/32	24.2	4.1	16.9	3/32	2.4	8.8	100
POC 1/4-N1	1/4	13.0	NPT 1/8	23.7	8.5	16.9	3/16	4.8	9.8	100
POC 1/4-N2	1/4	14.0	NPT 1/4	23.9	10.5	16.9	3/16	4.8	12.8	100
POC 5/16-N1	5/16	14.0	NPT 1/8	28.7	8.5	18.5	3/16	4.8	14.7	100
POC 5/16-N2	5/16	14.0	NPT 1/4	26.5	10.5	18.5	1/4	6.4	17.7	100
POC 5/16-N3	5/16	18.0	NPT 3/8	25.0	11.5	18.5	1/4	6.4	22.7	100
POC 3/8-N1	3/8	18.0	NPT 1/8	29.7	8.5	19.6	3/16	4.8	23.4	100
POC 3/8-N2	3/8	18.0	NPT 1/4	28.2	10.5	19.6	1/4	6.4	25.4	100
POC 3/8-N3	3/8	18.0	NPT 3/8	28.2	11.5	19.6	5/16	8.0	34.4	100
POC 3/8-N4	3/8	22.0	NPT 1/2	29.2	14.5	19.6	5/16	8.0	43.4	50
POC 1/2-N2	1/2	21.0	NPT 1/4	35.4	10.5	22.7	1/4	6.4	31.1	50
POC 1/2-N3	1/2	21.0	NPT 3/8	32.9	11.5	22.7	3/8	9.6	34.1	50
POC 1/2-N4	1/2	22.0	NPT 1/2	33.0	14.5	22.7	3/8	9.6	43.1	50

Inch-BSPT(R)



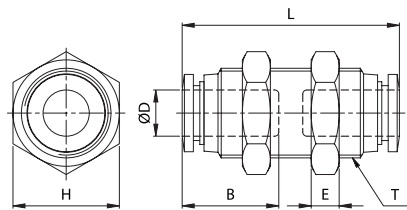
MODEL	ØD	ØP	T	L	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
POC 1/4-01	1/4	14.0	R 1/8	23.9	8.0	16.9	5	5.0	9.8	100
POC 1/4-02	1/4	14.0	R 1/4	23.9	10.0	16.9	5	5.0	12.8	100
POC 5/16-01	5/16	14.0	R 1/8	28.0	8.0	18.5	5	5.0	14.7	100
POC 5/16-02	5/16	14.0	R 1/4	26.0	10.0	18.5	6	6.0	17.7	100
POC 3/8-02	3/8	19.0	R 1/4	27.2	10.0	19.6	6	6.0	25.4	100
POC 3/8-03	3/8	19.0	R 3/8	26.2	11.0	19.6	8	8.0	34.4	10

PMM

Metric

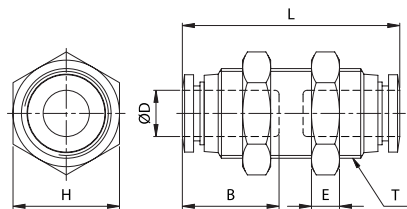


MODEL	ØD	T	L	E	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PMM 04	4	M12×1.0p	35.5	4	14.8	14	3.0	20.0	100
PMM 06	6	M14×1.0p	39.8	4	16.4	17	5.0	29.0	100
PMM 08	8	M16×1.0p	42.2	5	18.4	19	7.0	39.0	50
PMM 10	10	M20×1.0p	45.1	5	19.7	24	9.0	66.0	25
PMM 12	12	M22×1.0p	50.2	5	21.9	26	11.0	83.0	25
PMM 16	16	M27×1.0p	53.1	6	24.0	32	12.0	135.0	15



Inch

MODEL	ØD	T	L	E	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PMM 5/32	5/32	M12×1.0p	35.6	4	14.8	14	3.0	19.6	100
PMM 3/16	3/16	M14×1.0p	37.0	4	15.8	17	4.0	19.6	100
PMM 1/4	1/4	M16×1.0p	39.0	4	16.9	17	5.0	29.6	100
PMM 5/16	5/16	M20×1.0p	42.3	5	18.5	19	7.0	36.4	50
PMM 3/8	3/8	M22×1.0p	43.2	5	19.6	24	8.0	59.8	25
PMM 1/2	1/2	M27×1.0p	49.5	5	22.7	26	11.0	83.2	25

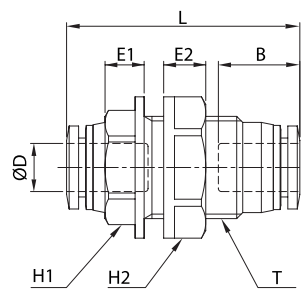


PMP

Metric



MODEL	ØD	T	L	E1	E2	B	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PMP 04	4	M12×1.25p	32.0	6.0	6.0	14.8	13	16	3.0	5.4	100
PMP 06	6	M15×1.5p	36.0	6.0	6.5	16.4	15	18	5.0	7.8	100
PMP 08	8	M17×1.5p	38.8	6.5	7.0	18.3	17	21	6.8	10.8	50
PMP 10	10	M20×1.75p	44.1	7.3	8	20.2	21	25	8.0	16.8	25
PMP 12	12	M24×1.75p	47.6	7.3	8.5	22.9	24	28	10.0	24.5	25

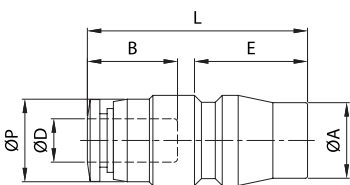


PCP

Metric

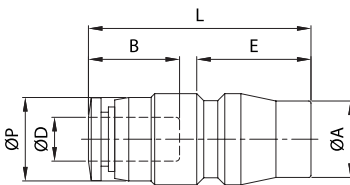


MODEL	ØD	ØP	ØA	L	E	B	ORIFICE	WEIGHT (g)	BOX (EA)
PCP 04	4	10.0	10.9	31.0	16.3	14.8	3.0	17.0	100
PCP 06	6	11.9	10.9	31.7	16.3	17.4	5.0	16.0	100
PCP 08	8	14.0	10.9	34.9	16.3	18.4	6.0	17.0	100
PCP 10	10	16.0	10.9	42.4	16.3	19.7	8.0	25.0	50
PCP 12	12	19.0	10.9	45.4	16.3	21.9	8.0	33.0	50
PCP 16	16	24.0	10.9	49.3	16.3	24.5	8.0	52.0	25

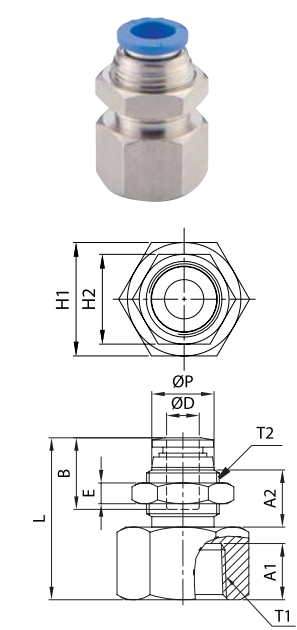


Inch

MODEL	ØD	ØP	ØA	L	E	B	ORIFICE	WEIGHT (g)	BOX (EA)
PCP 5/32	5/32	10.0	10.9	31.0	16.3	14.8	3.0	18.8	100
PCP 3/16	3/16	11.0	10.9	31.8	16.3	15.8	5.0	18.8	100
PCP 1/4	1/4	13.0	10.9	31.9	16.3	16.9	6.0	15.8	100
PCP 5/16	5/16	14.0	10.9	35.0	16.3	18.5	8.0	19.7	50
PCP 3/8	3/8	16.1	10.9	42.2	16.3	19.6	8.0	27.4	50
PCP 1/2	1/2	20.8	10.9	46.4	16.3	22.7	8.0	38.1	25

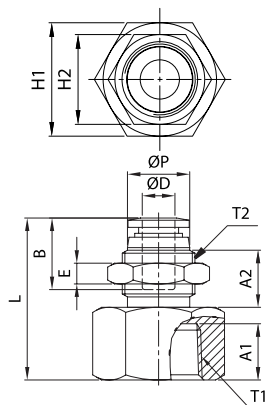


PMF
Metric-BSPT(R)



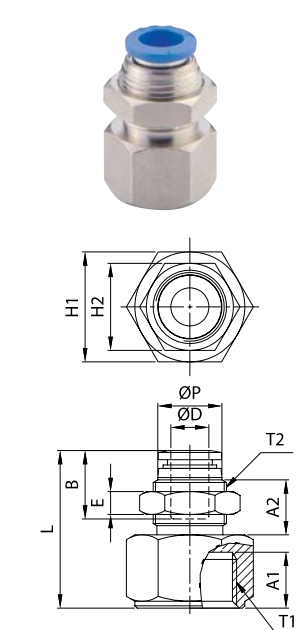
MODEL	ØD	ØP	T1	T2	L	E	A1	A2	B	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PMF 04-01	4	10.0	Rc 1/8	M12×1.0p	27.1	4	9.0	10.6	14.8	14	14	3.5	20.0	100
PMF 04-02	4	10.0	Rc 1/4	M12×1.0p	29.1	4	11.0	10.6	14.8	17	14	3.5	25.0	100
PMF 04-03	4	10.0	Rc 3/8	M12×1.0p	30.1	4	12.0	10.6	14.8	22	14	3.5	38.0	50
PMF 06-01	6	12.0	Rc 1/8	M14×1.0p	30.2	4	9.0	11.0	16.4	17	17	5.0	34.0	100
PMF 06-02	6	12.0	Rc 1/4	M14×1.0p	30.2	4	11.0	11.0	16.4	17	17	5.0	28.0	100
PMF 06-03	6	12.0	Rc 3/8	M14×1.0p	31.2	4	12.0	11.0	16.4	22	17	5.0	43.0	50
PMF 08-01	8	14.0	Rc 1/8	M16×1.0p	31.4	5	9.0	12.0	18.4	19	19	6.0	45.0	50
PMF 08-02	8	14.0	Rc 1/4	M16×1.0p	31.4	5	11.0	12.0	18.4	19	19	6.0	40.0	50
PMF 08-03	8	14.0	Rc 3/8	M16×1.0p	32.4	5	12.0	12.0	18.4	22	19	6.0	46.0	50
PMF 08-04	8	14.0	Rc 1/2	M16×1.0p	34.4	5	14.0	12.0	18.4	24	19	6.0	50.0	25
PMF 10-01	10	16.1	Rc 1/8	M20×1.0p	33.6	5	9.0	12.7	19.7	24	24	8.5	77.0	50
PMF 10-02	10	16.1	Rc 1/4	M20×1.0p	33.6	5	11.0	12.7	19.7	24	24	8.5	71.0	50
PMF 10-03	10	16.1	Rc 3/8	M20×1.0p	33.6	5	12.0	12.7	19.7	24	24	8.5	66.0	25
PMF 10-04	10	16.1	Rc 1/2	M20×1.0p	35.6	5	14.0	12.7	19.7	24	24	8.5	58.0	25
PMF 12-02	12	19.0	Rc 1/4	M22×1.0p	38.3	5	11.0	17.1	21.9	24	26	10.0	85.0	25
PMF 12-03	12	19.0	Rc 3/8	M22×1.0p	38.3	5	12.0	17.1	21.9	24	26	10.0	76.0	25
PMF 12-04	12	19.0	Rc 1/2	M22×1.0p	40.3	5	14.0	17.1	21.9	24	26	10.0	70.0	25

Inch-NPT



MODEL	ØD	ØP	T1	T2	L	E	A1	A2	B	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PMF 5/32-N1	5/32	10.0	NPT 1/8	M12×1.0p	27.1	4	9.5	10.6	14.8	9/16	1	3.5	19.8	100
PMF 3/16-N1	3/16	11.1	NPT 1/8	M12×1.0p	30.3	4	9.5	10.5	15.8	11/16	14	4.0	19.8	100
PMF 3/16-N2	3/16	11.1	NPT 1/4	M12×1.0p	30.3	4	11.5	10.5	15.8	11/16	14	4.0	24.8	100
PMF 1/4-N1	1/4	13.0	NPT 1/8	M14×1.0p	31.0	4	9.5	10.5	16.9	11/16	17	5.0	33.8	100
PMF 1/4-N2	1/4	13.0	NPT 1/4	M14×1.0p	31.0	4	11.5	10.5	16.9	11/16	17	5.0	27.8	100
PMF 5/16-N1	5/16	14.0	NPT 1/8	M16×1.0p	31.5	5	9.5	12.0	18.5	3/4	19	6.0	43.7	50
PMF 5/16-N2	5/16	14.0	NPT 1/4	M16×1.0p	31.5	5	11.5	12.0	18.5	3/4	19	6.0	38.7	50
PMF 5/16-N3	5/16	14.0	NPT 3/8	M16×1.0p	32.5	5	12.0	12.0	18.5	7/8	19	6.0	45.7	50
PMF 3/8-N2	3/8	16.7	NPT 1/4	M20×1.0p	35.6	5	11.5	12.4	19.6	15/16	24	8.5	71.4	50
PMF 3/8-N3	3/8	16.7	NPT 3/8	M20×1.0p	35.6	5	12.5	12.4	19.6	15/16	24	8.5	64.4	25
PMF 1/2-N2	1/2	20.5	NPT 1/4	M22×1.0p	39.9	5	11.5	17.0	22.7	15/16	26	10.0	78.1	25
PMF 1/2-N3	1/2	20.5	NPT 3/8	M22×1.0p	39.9	5	12.5	17.0	22.7	15/16	26	10.0	88.1	25
PMF 1/2-N4	1/2	20.5	NPT 1/2	M22×1.0p	39.9	5	14.5	17.0	22.7	15/16	26	10.0	68.1	25

PMF-G
Metric-BSPP(G)



MODEL	ØD	ØP	T1	T2	L	E	A1	A2	B	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PMF 04-G01	4	10.0	G1/8	M12×1.0p	27.1	4	9.0	10.6	14.8	14	14	3.5	20.0	100
PMF 04-G02	4	10.0	G1/4	M12×1.0p	29.1	4	11.0	10.6	14.8	17	14	3.5	25.0	100
PMF 04-G03	4	10.0	G3/8	M12×1.0p	30.1	4	12.0	10.6	14.8	22	14	3.5	37.0	50
PMF 06-G01	6	12.0	G1/8	M14×1.0p	30.2	4	9.0	11.0	16.4	17	17	5.0	32.0	100
PMF 06-G02	6	12.0	G1/4	M14×1.0p	30.2	4	11.0	11.0	16.4	17	17	5.0	28.0	100
PMF 06-G03	6	12.0	G3/8	M14×1.0p	31.2	4	12.0	11.0	16.4	22	17	5.0	43.0	50
PMF 08-G01	8	14.0	G1/8	M16×1.0p	31.4	5	9.0	12.0	18.4	19	19	6.0	44.0	50
PMF 08-G02	8	14.0	G1/4	M16×1.0p	31.4	5	11.0	12.0	18.4	19	19	6.0	37.0	50
PMF 08-G03	8	14.0	G3/8	M16×1.0p	32.4	5	12.0	12.0	18.4	22	19	6.0	45.0	50
PMF10-G02	10	16.1	G1/4	M20×1.0p	33.6	5	11.0	12.7	19.7	24	24	8.5	70.0	50
PMF10-G03	10	16.1	G3/8	M20×1.0p	33.6	5	12.0	12.7	19.7	24	24	8.5	62.0	25
PMF10-G04	10	16.1	G1/2	M20×1.0p	35.6	5	14.0	12.7	19.7	24	24	8.5	53.0	25
PMF12-G02	12	19.0	G1/4	M22×1.0p	38.3	5	11.0	17.1	21.9	24	24	10.0	84.0	25
PMF12-G03	12	19.0	G3/8	M22×1.0p	38.3	5	12.0	17.1	21.9	24	26	10.0	74.0	25
PMF12-G04	12	19.0	G1/2	M22×1.0p	40.3	5	14.0	17.1	21.9	24	26	10.0	67.0	25

ONE-TOUCH FITTINGS

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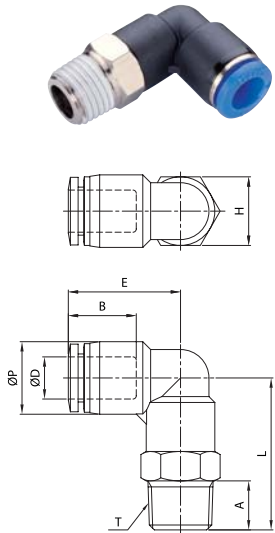
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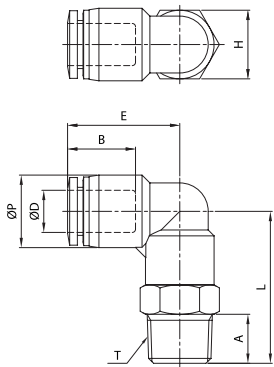
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PL
Metric-BSPT(R)



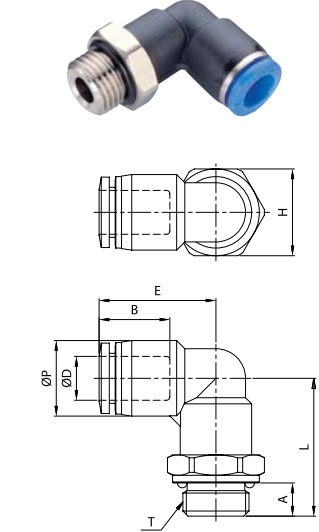
MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PL 04-M5	4	10.5	M5×0.8p	20.5	18.5	4.0	14.8	10	2.5	6.0	100
PL 04-M6	4	10.5	M6×1.0p	20.6	25.5	4.1	14.8	10	3.0	8.0	100
PL 04-01	4	10.5	R 1/8	24.5	25.5	8.0	14.8	10	3.0	10.0	100
PL 04-02	4	10.5	R 1/4	26.5	25.5	10.0	14.8	14	3.0	15.0	100
PL 04-03	4	10.5	R 3/8	27.5	25.5	11.0	14.8	17	3.0	26.0	50
PL 06-M5	6	12.5	M5×0.8p	22.5	20.3	4.0	16.4	12	2.5	7.0	100
PL 06-M6	6	12.5	M6×1.0p	22.6	20.3	4.1	16.4	12	3.0	12.0	100
PL 06-01	6	12.5	R 1/8	26.5	20.3	8.0	16.4	12	4.0	13.0	100
PL 06-02	6	12.5	R 1/4	29.5	20.3	10.0	16.4	14	4.0	19.0	100
PL 06-03	6	12.5	R 3/8	30.5	20.3	11.0	16.4	17	4.0	27.0	50
PL 06-04	6	12.5	R 1/2	33.5	20.3	14.0	16.4	21	4.0	39.0	50
PL 08-01	8	14.8	R 1/8	28.0	22.9	8.0	18.3	14	6.0	18.0	50
PL 08-02	8	14.8	R 1/4	31.0	22.9	10.0	18.3	14	6.0	22.0	50
PL 08-03	8	14.8	R 3/8	32.0	22.9	11.0	18.3	17	6.0	27.0	50
PL 08-04	8	14.8	R 1/2	35.0	22.9	14.0	18.3	21	6.0	43.0	50
PL 10-01	10	17.5	R 1/8	28.5	24.6	8.0	20.2	17	6.0	26.0	50
PL 10-02	10	17.5	R 1/4	31.5	24.6	10.0	20.2	17	8.0	28.0	50
PL 10-03	10	17.5	R 3/8	32.5	24.6	11.0	20.2	17	8.0	30.0	50
PL 10-04	10	17.5	R 1/2	35.5	24.6	14.0	20.2	21	8.0	48.0	25
PL 12-01	12	20.5	R 1/8	32.4	28.7	8.0	22.9	19	6.0	42.0	25
PL 12-02	12	20.5	R 1/4	34.4	28.7	10.0	22.9	19	9.0	40.0	25
PL 12-03	12	20.5	R 3/8	35.4	28.7	11.0	22.9	19	10.0	43.0	25
PL 12-04	12	20.5	R 1/2	38.4	28.7	14.0	22.9	21	10.0	52.0	25
PL 14-03	14	23.0	R 3/8	38.0	31.4	11.0	23.7	22	11.0	50.0	20
PL 14-04	14	23.0	R 1/2	41.0	31.4	12.0	23.7	22	12.0	60.0	20
PL 16-03	16	25.5	R 3/8	42.8	32.8	11.0	24.1	24	10.0	69.0	20
PL 16-04	16	25.5	R 1/2	45.8	32.8	14.0	24.1	24	13.0	77.0	20

Inch-NPT



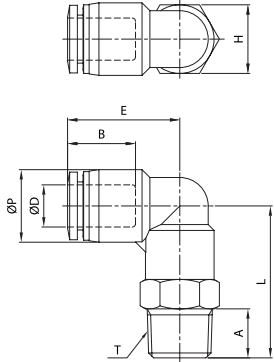
MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PL 5/32-U	5/32	10.5	UNF 10/32	21.4	18.5	3.6	14.8	7/16	2.5	7.8	100
PL 5/32-N1	5/32	10.5	NPT 1/8	25.0	18.5	8.5	14.8	7/16	3.0	9.8	100
PL 5/32-N2	5/32	10.5	NPT 1/4	28.0	18.5	10.5	14.8	9/16	3.0	16.8	100
PL 3/16-U	3/16	11.5	UNF 10/32	21.4	19.1	3.6	15.8	7/16	2.5	7.7	100
PL 3/16-N1	3/16	11.5	NPT 1/8	25.0	19.1	8.5	15.8	7/16	3.0	9.7	100
PL 3/16-N2	3/16	11.5	NPT 1/4	28.0	19.1	10.5	15.8	9/16	3.0	16.7	100
PL 3/16-N3	3/16	11.5	NPT 3/8	29.0	19.1	11.5	15.8	11/16	3.0	18.7	50
PL 1/4-U	1/4	13.0	UNF 10/32	25.9	20.5	3.6	16.8	1/2	2.5	11.7	100
PL 1/4-N1	1/4	13.0	NPT 1/8	27.8	20.5	8.5	16.8	1/2	4.0	14.7	100
PL 1/4-N2	1/4	13.0	NPT 1/4	30.5	20.5	10.5	16.8	9/16	4.0	19.7	100
PL 1/4-N3	1/4	13.0	NPT 3/8	31.5	20.5	11.5	16.8	11/16	4.0	32.7	50
PL 5/16-N1	5/16	14.8	NPT 1/8	29.5	23.0	8.5	18.4	9/16	6.0	17.7	100
PL 5/16-N2	5/16	14.8	NPT 1/4	31.5	23.0	10.5	18.4	9/16	6.0	22.7	50
PL 5/16-N3	5/16	14.8	NPT 3/8	32.5	23.0	11.5	18.4	11/16	6.0	35.7	50
PL 5/16-N4	5/16	14.8	NPT 1/2	35.5	23.0	14.5	18.4	7/8	6.0	55.7	25
PL 3/8-N1	3/8	17.5	NPT 1/8	30.0	24.6	8.5	20.1	11/16	6.0	24.2	50
PL 3/8-N2	3/8	17.5	NPT 1/4	32.0	24.6	10.5	20.1	11/16	8.0	28.2	50
PL 3/8-N3	3/8	17.5	NPT 3/8	33.0	24.6	11.5	20.1	11/16	8.0	33.2	50
PL 3/8-N4	3/8	17.5	NPT 1/2	36.0	24.6	14.5	20.1	7/8	8.0	53.2	25
PL 1/2-N2	1/2	21.0	NPT 1/4	35.5	28.3	10.5	23.1	3/4	8.5	36.0	25
PL 1/2-N3	1/2	21.0	NPT 3/8	36.5	28.3	11.5	23.1	3/4	10.0	45.0	25
PL 1/2-N4	1/2	21.0	NPT 1/2	39.5	28.3	14.5	23.1	7/8	10.0	63.0	25

PL-G
Metric-BSPP(G)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PL 04-G01	4	10.5	G 1/8	21.5	18.5	5.0	14.8	14	3.0	13.0	100
PL 04-G02	4	10.5	G 1/4	23.5	18.5	6.5	14.8	17	3.0	17.0	100
PL 04-G03	4	10.5	G 3/8	23.0	18.5	6.5	14.8	20	3.0	22.0	50
PL 06-G01	6	12.5	G 1/8	23.5	20.3	5.0	16.4	14	4.0	15.0	100
PL 06-G02	6	12.5	G 1/4	25.5	20.3	6.5	16.4	17	4.0	18.0	100
PL 06-G03	6	12.5	G 3/8	25.0	20.3	6.5	16.4	20	4.0	25.0	50
PL 08-G01	8	14.8	G 1/8	25.0	22.9	5.0	18.3	14	6.0	16.0	50
PL 08-G02	8	14.8	G 1/4	27.0	22.9	6.5	18.3	17	6.0	21.0	50
PL 08-G03	8	14.8	G 3/8	26.5	22.9	6.5	18.3	20	6.0	25.0	50
PL 08-G04	8	14.8	G 1/2	28.0	22.9	8.0	18.3	24	6.0	37.0	50
PL 10-G01	10	17.5	G 1/8	25.5	24.6	5.0	20.2	17	6.0	23.0	50
PL 10-G02	10	17.5	G 1/4	27.5	24.6	6.5	20.2	17	6.0	24.0	50
PL 10-G03	10	17.5	G 3/8	27.0	24.6	6.5	20.2	20	6.0	28.0	50
PL 10-G04	10	17.5	G 1/2	28.5	24.6	8.0	20.2	24	6.0	42.0	25
PL 12-G02	12	20.5	G 1/4	30.4	28.7	6.5	22.9	19	8.0	36.0	25
PL 12-G03	12	20.5	G 3/8	29.9	28.7	6.5	22.9	20	10.0	38.0	25
PL 12-G04	12	20.5	G 1/2	31.4	28.7	8.0	22.9	24	10.0	45.0	25
PL 14-G03	14	23.3	G 3/8	34.0	31.4	6.5	23.7	22	11.0	45.0	20
PL 14-G04	14	23.3	G 1/2	35.5	31.4	8.0	23.7	24	12.0	50.0	20
PL 16-G03	16	25.5	G 3/8	40.8	32.8	6.5	24.1	24	10.0	66.0	20
PL 16-G04	16	25.5	G 1/2	41.8	32.8	8.0	24.1	24	13.0	70.0	20

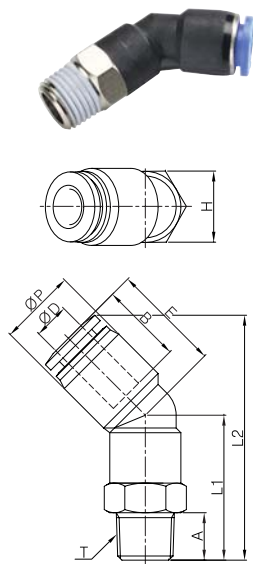
Inch-BSPT(R)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PL 1/4-01	1/4	13.0	R 1/8	27.0	20.5	8.0	16.8	12	4.0	14.7	100
PL 1/4-02	1/4	13.0	R 1/4	30.0	20.5	10.0	16.8	14	4.0	19.7	100
PL 1/4-03	1/4	13.0	R 3/8	31.0	20.5	11.0	16.8	17	4.0	32.7	50
PL 5/16-01	5/16	14.8	R 1/8	28.0	23.0	8.0	18.4	14	6.0	17.7	100
PL 5/16-02	5/16	14.8	R 1/4	31.0	23.0	10.0	18.4	14	6.0	22.7	50
PL 5/16-03	5/16	14.8	R 3/8	32.0	23.0	11.0	18.4	17	6.0	35.7	50
PL 3/8-01	3/8	17.5	R 1/8	28.5	24.6	8.0	20.1	17	6.0	24.2	50
PL 3/8-02	3/8	17.5	R 1/4	31.5	24.6	10.0	20.1	17	8.0	28.2	50
PL 3/8-03	3/8	17.5	R 3/8	32.5	24.6	11.0	20.1	17	8.0	33.2	50
PL 3/8-04	3/8	17.5	R 1/2	35.5	24.6	14.0	20.1	21	8.0	53.2	25
PL 1/2-02	1/2	21.0	R 1/4	35.0	28.3	10.0	23.1	19	9.0	36.0	25
PL 1/2-03	1/2	21.0	R 3/8	36.0	28.3	11.0	23.1	19	10.0	45.0	25
PL 1/2-04	1/2	21.0	R 1/2	39.0	28.3	14.0	23.1	21	10.0	63.0	25

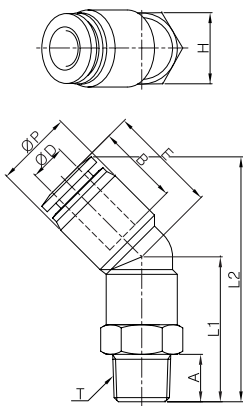
PL45

Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	E	A	B	H	ORIFICE	BOX (EA)
PL45 04-M5	4	10.5	M5×0.8p	19.5	34.4	16.3	4.0	14.8	10	2.5	100
PL45 04-M6	4	10.5	M6×1.0p	19.6	34.5	16.3	4.1	14.8	10	3.0	100
PL45 04-01	4	10.5	R 1/8	23.5	38.4	16.3	8.0	14.8	10	3.0	100
PL45 04-02	4	10.5	R 1/4	25.5	40.4	16.3	10.0	14.8	14	3.0	100
PL45 04-03	4	10.5	R 3/8	26.5	41.4	16.3	11.0	14.8	17	3.0	50
PL45 06-M5	6	13.0	M5×0.8p	20.5	37.3	18.4	4.0	16.4	12	2.5	100
PL45 06-M6	6	13.0	M6×1.0p	20.6	37.4	18.4	4.1	16.4	12	3.0	100
PL45 06-01	6	13.0	R 1/8	24.5	41.3	18.4	8.0	16.4	12	4.0	100
PL45 06-02	6	13.0	R 1/4	27.5	44.3	18.4	10.0	16.4	14	4.0	50
PL45 06-03	6	13.0	R 3/8	28.5	45.3	18.4	11.0	16.4	17	4.0	50
PL45 06-04	6	13.0	R 1/2	31.5	48.3	18.4	14.0	16.4	21	4.0	50
PL45 08-01	8	14.8	R 1/8	26.5	46.5	21.8	8.0	18.3	14	6.0	50
PL45 08-02	8	14.8	R 1/4	29.5	49.5	21.8	10.0	18.3	14	6.0	50
PL45 08-03	8	14.8	R 3/8	30.5	50.5	21.8	11.0	18.3	17	6.0	50
PL45 08-04	8	14.8	R 1/2	33.5	53.5	21.8	14.0	18.3	21	6.0	25
PL45 10-01	10	17.5	R 1/8	25.9	48.2	23.3	8.0	20.2	17	6.0	25
PL45 10-02	10	17.5	R 1/4	28.9	51.2	23.3	10.0	20.2	17	8.0	25
PL45 10-03	10	17.5	R 3/8	29.9	52.2	23.3	11.0	20.2	17	8.0	25
PL45 10-04	10	17.5	R 1/2	32.9	55.2	23.3	14.0	20.2	21	8.0	25
PL45 12-01	12	21.0	R 1/8	29.7	55.3	26.5	8.0	22.9	19	6.0	25
PL45 12-02	12	21.0	R 1/4	31.7	57.3	26.5	10.0	22.9	19	9.0	25
PL45 12-03	12	21.0	R 3/8	32.7	58.3	26.5	11.0	22.9	19	10.0	25
PL45 12-04	12	21.0	R 1/2	35.7	61.3	26.5	14.0	22.9	21	10.0	25

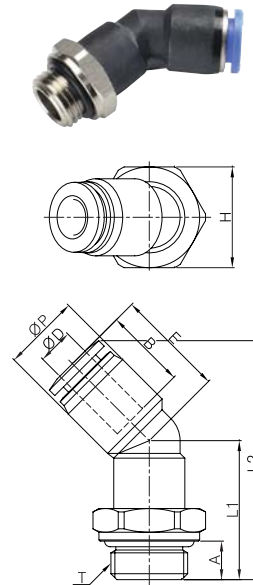
Inch-NPT



MODEL	ØD	ØP	T	L1	L2	E	A	B	H	ORIFICE
PL45 5/32-U	5/32	10.5	UNF 10/32	20.4	35.3	16.3	3.5	14.8	7/16	2.5
PL45 5/32-N1	5/32	10.5	NPT 1/8	24.0	38.9	16.3	8.5	14.8	7/16	3.0
PL45 5/32-N2	5/32	10.5	NPT 1/4	27.0	41.9	16.3	10.5	14.8	9/16	3.0
PL45 1/4-U	1/4	13.0	UNF 10/32	23.4	41.3	19.4	3.5	16.8	1/2	2.5
PL45 1/4-N1	1/4	13.0	NPT 1/8	25.3	43.2	19.4	8.5	16.8	1/2	4.0
PL45 1/4-N2	1/4	13.0	NPT 1/4	28.0	45.9	19.4	10.5	16.8	9/16	4.0
PL45 1/4-N3	1/4	13.0	NPT 3/8	29.0	46.9	19.4	11.5	16.8	11/16	4.0
PL45 5/16-N1	5/16	14.8	NPT 1/8	28.0	48.0	21.8	8.5	18.4	9/16	6.0
PL45 5/16-N2	5/16	14.8	NPT 1/4	30.0	50.0	21.8	10.5	18.4	9/16	6.0
PL45 5/16-N3	5/16	14.8	NPT 3/8	31.0	51.0	21.8	11.5	18.4	11/16	6.0
PL45 5/16-N4	5/16	14.8	NPT 1/2	34.0	54.0	21.8	14.5	18.4	7/8	6.0
PL45 3/8-N1	3/8	17.5	NPT 1/8	27.4	49.3	23.1	8.5	20.1	11/16	6.0
PL45 3/8-N2	3/8	17.5	NPT 1/4	29.4	51.3	23.1	10.5	20.1	11/16	8.0
PL45 3/8-N3	3/8	17.5	NPT 3/8	30.4	52.3	23.1	11.5	20.1	11/16	8.0
PL45 3/8-N4	3/8	17.5	NPT 1/2	33.4	55.3	23.1	14.5	20.1	7/8	8.0
PL45 1/2-N2	1/2	21.0	NPT 1/4	32.2	57.6	26.5	10.5	23.1	3/4	8.5
PL45 1/2-N3	1/2	21.0	NPT 3/8	33.2	58.6	26.5	11.5	23.1	3/4	10.0
PL45 1/2-N4	1/2	21.0	NPT 1/2	36.2	61.6	26.5	14.5	23.1	7/8	10.0

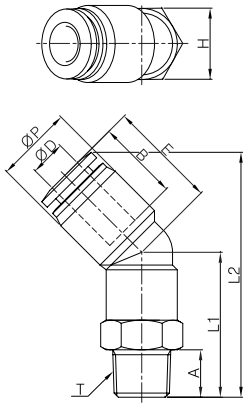
PL45-G

Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2	E	A	B	H (Hex)	ORIFICE	BOX (EA)
PL45 04-G01	4	10.5	G 1/8	20.5	35.4	16.3	5.0	14.8	14	3.0	100
PL45 04-G02	4	10.5	G 1/4	22.5	37.4	16.3	6.5	14.8	17	3.0	100
PL45 04-G03	4	10.5	G 3/8	22.0	36.9	16.3	6.5	14.8	20	3.0	50
PL45 06-G01	6	13.0	G 1/8	21.5	38.3	18.4	5.0	16.4	14	4.0	100
PL45 06-G02	6	13.0	G 1/4	23.5	40.3	18.4	6.5	16.4	17	4.0	50
PL45 06-G03	6	13.0	G 3/8	23.0	39.8	18.4	6.5	16.4	20	4.0	50
PL45 08-G01	8	14.8	G 1/8	23.5	43.5	21.8	5.0	18.3	14	6.0	50
PL45 08-G02	8	14.8	G 1/4	25.5	45.5	21.8	6.5	18.3	17	6.0	50
PL45 08-G03	8	14.8	G 3/8	25.0	45.0	21.8	6.5	18.3	20	6.0	50
PL45 08-G04	8	14.8	G 1/2	26.5	46.5	21.8	8.0	18.3	24	6.0	25
PL45 10-G01	10	17.5	G 1/8	22.9	45.2	23.3	5.0	20.2	17	6.0	25
PL45 10-G02	10	17.5	G 1/4	24.9	47.2	23.3	6.5	20.2	17	6.0	25
PL45 10-G03	10	17.5	G 3/8	24.4	46.7	23.3	6.5	20.2	20	6.0	25
PL45 10-G04	10	17.5	G 1/2	25.9	48.2	23.3	8.0	20.2	24	6.0	25
PL45 12-G02	12	20.5	G 1/4	27.7	53.3	26.5	6.5	22.9	19	8.0	25
PL45 12-G03	12	20.5	G 3/8	27.2	52.8	26.5	6.5	22.9	20	10.0	25
PL45 12-G04	12	20.5	G 1/2	28.7	54.3	26.5	8.0	22.9	24	10.0	25

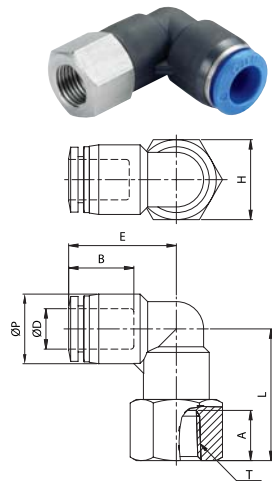
Inch-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	E	A	B	H (Hex)	ORIFICE
PL45 1/4-01	1/4	13.0	R 1/8	24.5	42.4	19.4	8.0	16.8	12	4.0
PL45 1/4-02	1/4	13.0	R 1/4	27.5	45.4	19.4	10.0	16.8	14	4.0
PL45 1/4-03	1/4	13.0	R 3/8	28.5	46.4	19.4	11.0	16.8	17	4.0
PL45 5/16-01	5/16	14.8	R 1/8	26.5	46.5	21.8	8.0	18.4	14	6.0
PL45 5/16-02	5/16	14.8	R 1/4	29.5	49.5	21.8	10.0	18.4	14	6.0
PL45 5/16-03	5/16	14.8	R 3/8	30.5	50.5	21.8	11.0	18.4	17	6.0
PL45 3/8-01	3/8	17.5	R 1/8	25.9	47.8	23.1	8.0	20.1	17	6.0
PL45 3/8-02	3/8	17.5	R 1/4	28.9	50.8	23.1	10.0	20.1	17	8.0
PL45 3/8-03	3/8	17.5	R 3/8	29.9	51.8	23.1	11.0	20.1	17	8.0
PL45 3/8-04	3/8	17.5	R 1/2	32.9	54.8	23.1	14.0	20.1	21	8.0
PL45 1/2-02	1/2	21.0	R 1/4	31.7	57.1	26.5	10.0	23.1	19	9.0
PL45 1/2-03	1/2	21.0	R 3/8	32.7	58.1	26.5	11.0	23.1	19	10.0
PL45 1/2-04	1/2	21.0	R 1/2	35.7	61.1	26.5	14.0	23.1	21	10.0

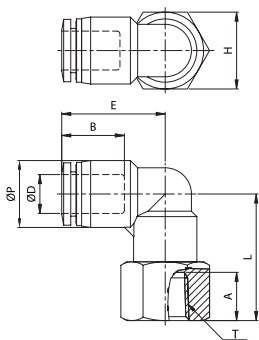
PLF

Metric-BSPT(R)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PLF 04-M5	4	10.5	M5×0.8p	21.5	18.5	8.0	14.8	10	3.0	10.0	50
PLF 04-M6	4	10.5	M6×1.0p	21.5	18.5	8.0	14.8	10	3.0	10.0	50
PLF 04-01	4	10.5	Rc 1/8	22.5	18.5	9.0	14.8	14	3.0	15.0	50
PLF 04-02	4	10.5	Rc 1/4	24.5	18.5	11.0	14.8	17	3.0	20.0	50
PLF 06-M5	6	12.5	M5×0.8p	23.5	20.3	8.0	16.4	12	4.2	16.0	50
PLF 06-M6	6	12.5	M6×1.0p	23.5	20.3	8.0	16.4	12	4.2	16.0	50
PLF 06-01	6	12.5	Rc 1/8	24.5	20.3	9.0	16.4	14	4.0	17.0	50
PLF 06-02	6	12.5	Rc 1/4	26.5	20.3	11.0	16.4	17	4.0	23.0	50
PLF 06-03	6	12.5	Rc 3/8	27.5	20.3	12.0	16.4	22	4.0	36.0	50
PLF 06-04	6	12.5	Rc 1/2	29.5	20.3	14.0	16.4	24	4.0	37.0	50
PLF 08-01	8	14.8	Rc 1/8	26.0	22.9	9.0	18.3	14	6.0	19.0	50
PLF 08-02	8	14.8	Rc 1/4	28.0	22.9	11.0	18.3	17	6.0	26.0	50
PLF 08-03	8	14.8	Rc 3/8	29.0	22.9	12.0	18.3	22	6.0	38.0	50
PLF 08-04	8	14.8	Rc 1/2	31.0	22.9	14.0	18.3	24	6.0	38.0	25
PLF 10-01	10	17.5	Rc 1/8	28.5	24.6	9.0	20.2	17	7.0	29.0	25
PLF 10-02	10	17.5	Rc 1/4	28.5	24.6	11.0	20.2	17	7.0	29.0	25
PLF 10-03	10	17.5	Rc 3/8	29.5	24.6	12.0	20.2	22	7.0	42.0	25
PLF 10-04	10	17.5	Rc 1/2	31.5	24.6	14.0	20.2	24	7.0	44.0	20
PLF 12-02	12	20.5	Rc 1/4	31.4	28.7	11.0	22.9	19	10.0	40.0	20
PLF 12-03	12	20.5	Rc 3/8	32.4	28.7	12.0	22.9	22	10.0	48.0	20
PLF 12-04	12	20.5	Rc 1/2	34.4	28.7	14.0	22.9	24	10.0	49.0	20

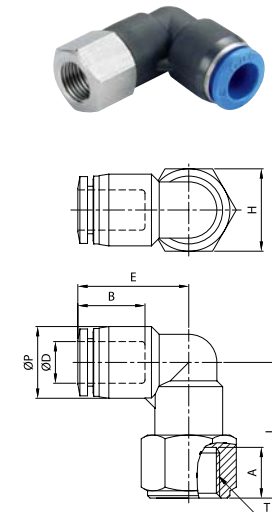
Inch-NPT



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PLF 5/32-U	5/32	10.5	UNF 10/32	21.5	18.5	7.0	14.8	7/16	3.0	7.8	100
PLF 5/32-N1	5/32	10.5	NPT 1/8	22.5	18.5	9.0	14.8	9/16	3.0	15.8	100
PLF 5/32-N2	5/32	10.5	NPT 1/4	24.5	18.5	11.0	14.8	11/16	3.0	19.8	100
PLF 3/16-U	3/16	11.5	UNF 10/32	21.5	19.1	7.0	15.8	7/16	3.0	7.7	100
PLF 3/16-N1	3/16	11.5	NPT 1/8	22.5	19.1	9.0	15.8	9/16	3.0	15.7	50
PLF 3/16-N2	3/16	11.5	NPT 1/4	24.5	19.1	11.0	15.8	11/16	3.0	19.7	50
PLF 1/4-U	1/4	13.0	UNF 10/32	21.0	20.5	5.0	16.8	1/2	3.0	11.7	100
PLF 1/4-N1	1/4	13.0	NPT 1/8	25.0	20.5	9.0	16.8	9/16	4.0	20.7	50
PLF 1/4-N2	1/4	13.0	NPT 1/4	27.5	20.5	11.0	16.8	11/16	4.0	22.7	50
PLF 1/4-N3	1/4	13.0	NPT 3/8	28.0	20.5	12.0	16.8	7/8	4.0	24.7	50
PLF 5/16-N1	5/16	14.8	NPT 1/8	26.0	23.0	9.0	18.4	9/16	6.0	18.7	50
PLF 5/16-N2	5/16	14.8	NPT 1/4	28.0	23.0	11.0	18.4	11/16	6.0	25.7	25
PLF 5/16-N3	5/16	14.8	NPT 3/8	29.0	23.0	12.0	18.4	7/8	6.0	28.7	25
PLF 3/8-N2	3/8	17.5	NPT 1/4	28.5	24.6	11.0	20.1	11/16	7.0	32.2	25
PLF 3/8-N3	3/8	17.5	NPT 3/8	29.5	24.6	12.0	20.1	7/8	7.0	36.2	25
PLF 3/8-N4	3/8	17.5	NPT 1/2	31.5	24.6	14.5	20.1	15/16	7.0	40.8	20
PLF 1/2-N3	1/2	21.0	NPT 3/8	33.0	28.3	12.0	23.1	7/8	10.0	57.0	20
PLF 1/2-N4	1/2	21.0	NPT 1/2	35.0	28.3	14.5	23.1	15/16	10.0	75.0	15

PLF-G

Metric-BSPP(G)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PLF 04-G01	4	10.5	G 1/8	22.5	18.5	9.0	14.8	14	3.0	15.0	50
PLF 04-G02	4	10.5	G 1/4	24.5	18.5	11.0	14.8	17	3.0	21.0	50
PLF 06-G01	6	12.5	G 1/8	24.5	20.3	9.0	16.4	14	4.0	18.0	50
PLF 06-G02	6	12.5	G 1/4	26.5	20.3	11.0	16.4	17	4.0	23.0	50
PLF 06-G03	6	12.5	G 3/8	27.5	20.3	12.0	16.4	22	4.0	36.0	50
PLF 08-G01	8	14.8	G 1/8	26.0	22.9	9.0	18.3	14	6.0	20.0	50
PLF 08-G02	8	14.8	G 1/4	28.0	22.9	11.0	18.3	17	6.0	26.0	50
PLF 08-G03	8	14.8	G 3/8	29.0	22.9	12.0	18.3	22	6.0	38.0	50
PLF 08-G04	8	14.8	G 1/2	31.0	22.9	14.0	18.3	24	6.0	41.0	25
PLF 10-G01	10	17.5	G 1/8	28.5	24.6	9.0	20.2	17	7.0	34.0	25
PLF 10-G02	10	17.5	G 1/4	28.5	24.6	11.0	20.2	17	7.0	32.0	25
PLF 10-G03	10	17.5	G 3/8	29.5	24.6	12.0	20.2	22	7.0	44.0	25
PLF 10-G04	10	17.5	G 1/2	31.5	24.6	14.0	20.2	24	7.0	45.0	20
PLF 12-G02	12	20.5	G 1/4	31.4	28.7	11.0	22.9	19	10.0	40.0	20
PLF 12-G03	12	20.5	G 3/8	32.4	28.7	12.0	22.9	22	10.0	49.0	20
PLF 12-G04	12	20.5	G 1/2	34.4	28.7	14.0	22.9	24	10.0	51.0	20

ONE-TOUCH FITTINGS

O

C

S

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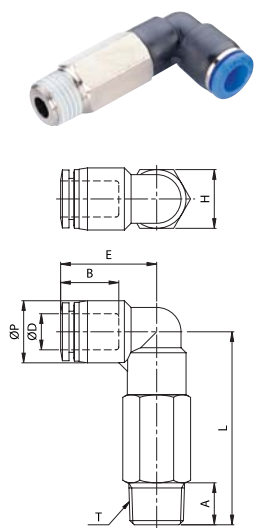
O

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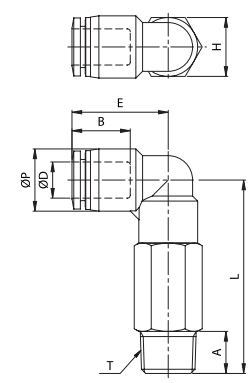
F

PLL
Metric-BSPT(R)



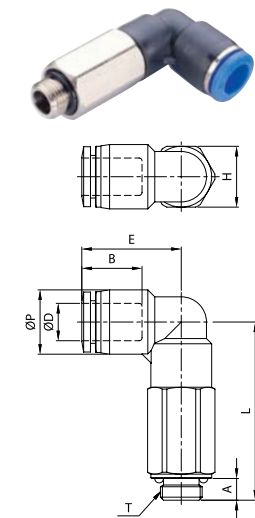
MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PLL 04-M5	4	10.5	M5×0.8p	33.0	18.5	4.1	14.8	10	2.5	18.0	50
PLL 04-M6	4	10.5	M6×1.0p	33.2	18.5	4.3	14.8	10	3.0	16.0	50
PLL 04-01	4	10.5	R 1/8	35.5	18.5	8.0	14.8	10	3.0	16.0	50
PLL 04-02	4	10.5	R 1/4	37.5	18.5	10.0	14.8	14	3.0	28.0	50
PLL 04-03	4	10.5	R 3/8	38.5	18.5	11.0	14.8	17	3.0	39.0	50
PLL 06-M5	6	12.5	M5×0.8p	37.5	20.3	4.1	16.4	12	2.0	25.0	50
PLL 06-M6	6	12.5	M6×1.0p	37.7	20.3	4.3	16.4	12	3.0	25.0	50
PLL 06-01	6	12.5	R 1/8	40.0	20.3	8.0	16.4	12	4.0	25.0	50
PLL 06-02	6	12.5	R 1/4	42.0	20.3	10.0	16.4	14	4.0	33.0	50
PLL 06-03	6	12.5	R 3/8	43.0	20.3	11.0	16.4	17	4.0	48.0	50
PLL 06-04	6	12.5	R 1/2	46.0	20.3	14.0	16.4	21	4.0	96.0	25
PLL 08-01	8	14.8	R 1/8	44.0	22.9	8.0	18.3	14	6.0	37.0	50
PLL 08-02	8	14.8	R 1/4	46.0	22.9	10.0	18.3	14	6.0	37.0	50
PLL 08-03	8	14.8	R 3/8	47.0	22.9	11.0	18.3	17	6.0	60.0	25
PLL 08-04	8	14.8	R 1/2	50.0	22.9	14.0	18.3	22	6.0	90.0	25
PLL 10-01	10	17.5	R 1/8	47.7	24.6	8.0	20.2	17	6.0	65.0	25
PLL 10-02	10	17.5	R 1/4	49.7	24.6	10.0	20.2	17	8.0	65.0	25
PLL 10-03	10	17.5	R 3/8	50.7	24.6	11.0	20.2	17	7.0	57.0	25
PLL 10-04	10	17.5	R 1/2	53.0	24.6	14.0	20.2	22	7.0	100.0	25
PLL 12-01	12	20.5	R 1/8	53.9	28.7	8.0	22.9	19	6.0	91.0	25
PLL 12-02	12	20.5	R 1/4	55.9	28.7	10.0	22.9	19	8.5	90.0	25
PLL 12-03	12	20.5	R 3/8	56.9	28.7	11.0	22.9	19	10.0	84.0	25
PLL 12-04	12	20.5	R 1/2	59.9	28.7	14.0	22.9	22	10.0	116.0	25
PLL 16-03	14	25.5	R 3/8	68.8	32.8	11.0	24.1	24	10.0	145.0	15
PLL 16-04	14	25.5	R 1/2	71.8	32.8	14.0	24.1	24	13.0	145.0	15

Inch-NPT



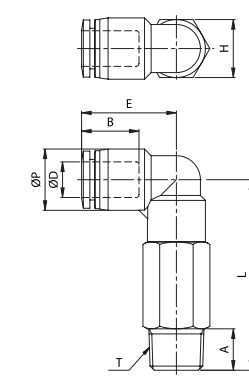
MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PLL 5/32-U	5/32	10.5	UNF 10/32	32.5	18.5	3.6	14.8	7/16	2.0	15.8	50
PLL 5/32-N1	5/32	10.5	NPT 1/8	36.0	18.5	8.5	14.8	7/16	3.0	17.8	50
PLL 5/32-N2	5/32	10.5	NPT 1/4	37.5	18.5	10.5	14.8	9/16	3.0	31.8	50
PLL 3/16-U	3/16	11.5	UNF 10/32	33.8	19.1	3.6	15.8	7/16	2.0	15.7	50
PLL 3/16-N1	3/16	11.5	NPT 1/8	36.0	19.1	8.5	15.8	7/16	3.0	17.7	50
PLL 3/16-N2	3/16	11.5	NPT 1/4	37.5	19.1	10.5	15.8	9/16	3.0	31.7	50
PLL 3/16-N3	3/16	11.5	NPT 3/8	39.0	19.1	11.5	15.8	11/16	3.0	39.7	50
PLL 1/4-U	1/4	13.0	UNF 10/32	37.5	20.5	3.6	16.8	1/2	2.0	27.7	50
PLL 1/4-N1	1/4	13.0	NPT 1/8	41.0	20.5	8.5	16.8	1/2	4.0	28.7	50
PLL 1/4-N2	1/4	13.0	NPT 1/4	44.0	20.5	10.5	16.8	9/16	4.0	34.7	50
PLL 1/4-N3	1/4	13.0	NPT 3/8	45.0	20.5	11.5	16.8	11/16	4.0	49.7	50
PLL 5/16-N1	5/16	14.8	NPT 1/8	44.5	23.0	8.5	18.4	9/16	6.0	35.7	50
PLL 5/16-N2	5/16	14.8	NPT 1/4	46.5	23.0	10.5	18.4	9/16	6.0	39.7	50
PLL 5/16-N3	5/16	14.8	NPT 3/8	50.5	23.0	11.5	18.4	11/16	6.0	59.7	25
PLL 3/8-N2	3/8	17.5	NPT 1/4	50.0	24.6	10.5	20.1	11/16	8.0	64.2	25
PLL 3/8-N3	3/8	17.5	NPT 3/8	51.0	24.6	11.5	20.1	11/16	7.0	69.2	25
PLL 3/8-N4	3/8	17.5	NPT 1/2	54.0	24.6	14.5	20.1	7/8	7.0	99.2	20
PLL 1/2-N2	1/2	21.0	NPT 1/4	57.5	28.3	10.5	23.1	3/4	8.5	89.0	20
PLL 1/2-N3	1/2	21.0	NPT 3/8	58.5	28.3	11.5	23.1	3/4	10.0	119.0	20
PLL 1/2-N4	1/2	21.0	NPT 1/2	61.5	28.3	14.5	23.1	7/8	10.0	159.0	20

PLL-G
Metric-BSPP(G)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PLL 04-G01	4	10.5	G 1/8	33.5	18.5	5.0	14.8	14	3.0	27.0	50
PLL 04-G02	4	10.5	G 1/4	35.5	18.5	6.5	14.8	17	3.0	40.0	50
PLL 04-G03	4	10.5	G 3/8	37.0	18.5	6.5	14.8	20	3.0	52.0	50
PLL 06-G01	6	12.5	G 1/8	37.5	20.3	5.0	16.4	14	4.0	30.0	50
PLL 06-G02	6	12.5	G 1/4	39.5	20.3	6.5	16.4	17	4.0	44.0	50
PLL 06-G03	6	12.5	G 3/8	39.0	20.3	6.5	16.4	20	4.0	56.0	50
PLL 08-G01	8	14.8	G 1/8	41.0	22.9	5.0	18.3	14	6.0	36.0	50
PLL 08-G02	8	14.8	G 1/4	43.0	22.9	6.5	18.3	17	6.0	47.0	50
PLL 08-G03	8	14.8	G 3/8	42.5	22.9	6.5	18.3	20	6.0	62.0	25
PLL 08-G04	8	14.8	G 1/2	44.0	22.9	8.0	18.3	24	6.0	94.0	25
PLL 10-G01	10	17.5	G 1/8	44.5	24.6	5.0	20.2	17	6.0	59.0	25
PLL 10-G02	10	17.5	G 1/4	46.5	24.6	6.5	20.2	17	6.0	65.0	25
PLL 10-G03	10	17.5	G 3/8	46.0	24.6	6.5	20.2	20	6.0	73.0	25
PLL 10-G04	10	17.5	G 1/2	47.5	24.6	8.0	20.2	24	6.0	102.0	25
PLL 12-G02	12	20.5	G 1/4	52.4	28.7	6.5	22.9	19	8.0	83.0	25
PLL 12-G03	12	20.5	G 3/8	51.9	28.7	6.5	22.9	20	10.0	84.0	25
PLL 12-G04	12	20.5	G 1/2	53.4	28.7	8.0	22.9	24	10.0	118.0	25
PLL 16-G03	14	25.5	G 3/8	65.8	32.8	7.0	24.1	24	10.0	145.0	15
PLL 16-G04	14	25.5	G 1/2	66.8	32.8	8.0	24.1	24	13.0	145.0	15

Inch-BSPT(R)

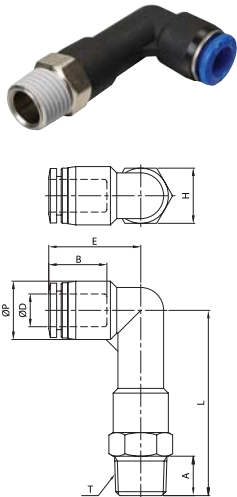


MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PLL 1/4-01	1/4	13.0	R 1/8	40.5	20.5	8.0	16.8	12	4.0	28.7	50
PLL 1/4-02	1/4	13.0	R 1/4	42.5	20.5	10.0	16.8	14	4.0	34.7	50
PLL 5/16-01	5/16	14.8	R 1/8	44.0	23.0	8.0	18.4	14	6.0	35.7	50
PLL 5/16-02	5/16	14.8	R 1/4	46.0	23.0	10.0	18.4	14	6.0	39.7	50
PLL 3/8-02	3/8	17.5	R 1/4	49.7	24.6	10.0	20.1	17	8.0	64.2	25
PLL 3/8-03	3/8	17.5	R 3/8	50.7	24.6	11.0	20.1	17	7.0	69.2	25

ONE-TOUCH FITTINGS

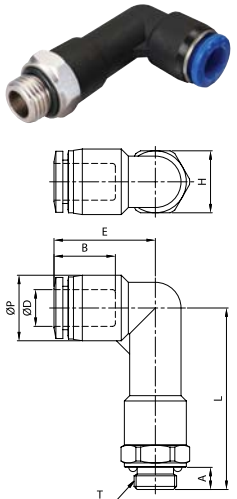
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PLL
Metric-BSPT(R)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PLLP 04-M5	4	10.5	M5×0.8p	32.5	18.5	4.0	14.8	10	2.5	5.6	50
PLLP 04-M6	4	10.5	M6×1.0p	32.6	18.5	4.1	14.8	10	3.0	8.0	50
PLLP 04-01	4	10.5	R 1/8	36.5	18.5	8.0	14.8	10	3.0	9.9	50
PLLP 04-02	4	10.5	R 1/4	38.5	18.5	10.0	14.8	14	3.0	14.9	50
PLLP 04-03	4	10.5	R 3/8	39.5	18.5	11.0	14.8	17	3.0	23.7	50
PLLP 06-M5	6	12.5	M5×0.8p	36.5	20.3	4.0	16.4	12	2.5	7.1	50
PLLP 06-M6	6	12.5	M6×1.0p	36.6	20.3	4.1	16.4	12	3.0	11.8	50
PLLP 06-01	6	12.5	R 1/8	40.5	20.3	8.0	16.4	12	4.0	13.8	50
PLLP 06-02	6	12.5	R 1/4	43.5	20.3	10.0	16.4	14	4.0	18.9	50
PLLP 06-03	6	12.5	R 3/8	44.5	20.3	11.0	16.4	17	4.0	26.1	50
PLLP 06-04	6	12.5	R 1/2	47.5	20.3	14.0	16.4	21	4.0	40.3	25
PLLP 08-01	8	14.8	R 1/8	44.0	22.9	8.0	18.3	14	6.0	18.0	50
PLLP 08-02	8	14.8	R 1/4	47.0	22.9	10.0	18.3	14	6.0	20.9	50
PLLP 08-03	8	14.8	R 3/8	48.0	22.9	11.0	18.3	17	6.0	27.7	25
PLLP 08-04	8	14.8	R 1/2	51.0	22.9	14.0	18.3	21	6.0	42.7	25
PLLP 10-01	10	17.5	R 1/8	47.5	24.6	8.0	20.2	17	6.0	27.7	25
PLLP 10-02	10	17.5	R 1/4	50.5	24.6	10.0	20.2	17	8.0	29.6	25
PLLP 10-03	10	17.5	R 3/8	51.5	24.6	11.0	20.2	17	8.0	31.7	25
PLLP 10-04	10	17.5	R 1/2	54.5	24.6	14.0	20.2	22	8.0	50.5	25
PLLP 12-01	12	20.5	R 1/8	54.4	28.7	8.0	22.9	19	6.0	42.1	25
PLLP 12-02	12	20.5	R 1/4	56.4	28.7	10.0	22.9	19	9.0	38.3	25
PLLP 12-03	12	20.5	R 3/8	57.4	28.7	11.0	22.9	19	10.0	42.0	25
PLLP 12-04	12	20.5	R 1/2	60.4	28.7	14.0	22.9	21	10.0	51.4	25

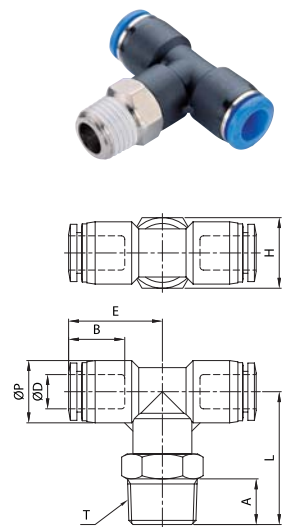
PLL-P
Metric-BSPP(G)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PLLP 04-G01	4	10.5	G 1/8	35.5	18.5	5.0	14.8	14	3.0	12.9	50
PLLP 04-G02	4	10.5	G 1/4	35.5	18.5	6.5	14.8	17	3.0	16.9	50
PLLP 04-G03	4	10.5	G 3/8	35.0	18.5	6.5	14.8	20	3.0	19.7	50
PLLP 06-G01	6	12.5	G 1/8	37.5	20.3	5.0	16.4	14	4.0	15.8	50
PLLP 06-G02	6	12.5	G 1/4	39.5	20.3	6.5	16.4	17	4.0	17.9	50
PLLP 06-G03	6	12.5	G 3/8	39.0	20.3	6.5	16.4	20	4.0	24.1	50
PLLP 08-G01	8	14.8	G 1/8	41.0	22.9	5.0	18.3	14	6.0	16.0	50
PLLP 08-G02	8	14.8	G 1/4	43.0	22.9	6.5	18.3	17	6.0	19.9	50
PLLP 08-G03	8	14.8	G 3/8	42.5	22.9	6.5	18.3	20	6.0	25.7	25
PLLP 08-G04	8	14.8	G 1/2	44.0	22.9	8.0	18.3	24	6.0	36.7	25
PLLP 10-G01	10	17.5	G 1/8	44.5	24.6	5.0	20.2	17	6.0	24.7	25
PLLP 10-G02	10	17.5	G 1/4	46.5	24.6	6.5	20.2	17	8.0	25.6	25
PLLP 10-G03	10	17.5	G 3/8	46.0	24.6	6.5	20.2	20	8.0	29.7	25
PLLP 10-G04	10	17.5	G 1/2	47.5	24.6	8.0	20.2	24	8.0	44.5	25
PLLP 12-G02	12	20.5	G 1/4	52.4	28.7	6.5	22.9	19	8.0	34.3	25
PLLP 12-G03	12	20.5	G 3/8	51.9	28.7	6.5	22.9	20	10.0	37.0	25
PLLP 12-G04	12	20.5	G 1/2	53.4	28.7	8.0	22.9	24	10.0	44.4	25

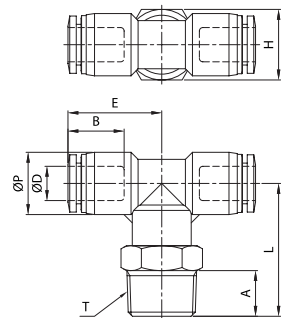
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PT
Metric-BSPT(R)



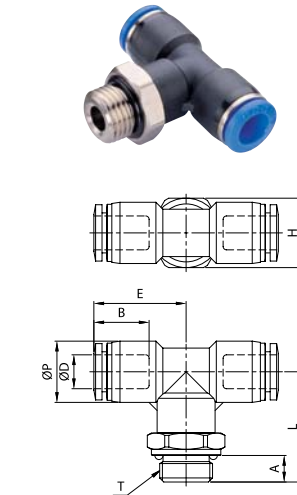
MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PT 04-M5	4	10.5	M5×0.8p	20.5	18.5	4.0	14.8	10	2.5	10.0	100
PT 04-M6	4	10.5	M6×1.0p	20.6	18.5	4.1	14.8	10	3.0	10.0	100
PT 04-01	4	10.5	R 1/8	24.5	18.5	8.0	14.8	10	3.0	11.0	100
PT 04-02	4	10.5	R 1/4	26.5	18.5	10.0	14.8	14	3.0	17.0	100
PT 04-03	4	10.5	R 3/8	27.5	18.5	11.0	14.8	17	3.0	26.0	50
PT 06-M5	6	12.5	M5×0.8p	22.5	20.3	4.0	16.4	12	2.5	15.0	50
PT 06-M6	6	12.5	M6×1.0p	22.6	20.3	4.1	16.4	12	3.0	15.0	50
PT 06-01	6	12.5	R 1/8	26.5	20.3	8.0	16.4	12	4.0	17.0	50
PT 06-02	6	12.5	R 1/4	29.5	20.3	10.0	16.4	14	4.0	21.0	50
PT 06-03	6	12.5	R 3/8	30.5	20.3	11.0	16.4	17	4.0	29.0	50
PT 06-04	6	12.5	R 1/2	33.5	20.3	14.0	16.4	21	4.0	56.0	25
PT 08-01	8	15.0	R 1/8	28.0	22.6	8.0	18.3	14	6.0	21.0	50
PT 08-02	8	15.0	R 1/4	31.0	22.6	10.0	18.3	14	6.0	24.0	50
PT 08-03	8	15.0	R 3/8	32.0	22.6	11.0	18.3	17	6.0	31.0	50
PT 08-04	8	15.0	R 1/2	35.0	22.6	14.0	18.3	21	6.0	54.0	25
PT 10-01	10	17.5	R 1/8	28.5	25.2	8.0	20.2	17	6.0	33.0	25
PT 10-02	10	17.5	R 1/4	31.5	25.2	10.0	20.2	17	8.0	35.0	25
PT 10-03	10	17.5	R 3/8	32.5	25.2	11.0	20.2	17	8.0	36.0	25
PT 10-04	10	17.5	R 1/2	35.5	25.2	14.0	20.2	21	8.0	60.0	25
PT 12-01	12	20.5	R 1/8	32.4	28.7	8.0	22.9	19	6.0	50.0	25
PT 12-02	12	20.5	R 1/4	34.4	28.7	10.0	22.9	19	9.0	47.0	25
PT 12-03	12	20.5	R 3/8	35.4	28.7	11.0	22.9	19	10.0	50.0	25
PT 12-04	12	20.5	R 1/2	38.4	28.7	14.0	22.9	21	10.0	60.0	20
PT 16-03	14	25.5	Rc 3/8	42.8	32.8	11.0	24.1	24	10.0	86.0	12
PT 16-04	14	25.5	Rc 1/2	45.8	32.8	14.0	24.1	24	13.0	94.0	12

Inch-NPT



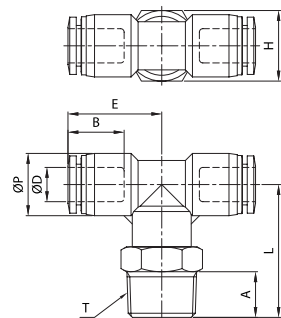
MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PT 5/32-U	5/32	10.5	UNF 10/32	21.4	18.5	3.6	14.8	7/16	2.5	9.6	100
PT 5/32-N1	5/32	10.5	NPT 1/8	25.0	18.5	8.5	14.8	7/16	3.0	11.6	100
PT 5/32-N2	5/32	10.5	NPT 1/4	28.0	18.5	10.5	14.8	9/16	3.0	15.6	100
PT 3/16-U	3/16	11.5	UNF 10/32	21.4	19.1	3.6	15.8	7/16	2.5	9.4	50
PT 3/16-N1	3/16	11.5	NPT 1/8	25.0	19.1	8.5	15.8	7/16	3.0	11.4	50
PT 3/16-N2	3/16	11.5	NPT 1/4	28.0	19.1	10.5	15.8	9/16	3.0	15.4	50
PT 3/16-N3	3/16	11.5	NPT 3/8	29.0	19.1	11.5	15.8	11/16	3.0	19.4	50
PT 1/4-U	1/4	13.0	UNF 10/32	25.9	20.5	3.6	16.8	1/2	2.5	14.4	50
PT 1/4-N1	1/4	13.0	NPT 1/8	27.8	20.5	8.5	16.8	1/2	4.0	16.4	50
PT 1/4-N2	1/4	13.0	NPT 1/4	30.5	20.5	10.5	16.8	9/16	4.0	22.4	50
PT 1/4-N3	1/4	13.0	NPT 3/8	31.5	20.5	11.5	16.8	11/16	4.0	42.4	50
PT 5/16-N1	5/16	15.0	NPT 1/8	29.5	22.7	8.5	18.4	9/16	6.0	22.4	50
PT 5/16-N2	5/16	15.0	NPT 1/4	31.5	22.7	10.5	18.4	9/16	6.0	26.4	50
PT 5/16-N3	5/16	15.0	NPT 3/8	32.5	22.7	11.5	18.4	11/16	6.0	30.4	50
PT 5/16-N4	5/16	15.0	NPT 1/2	35.5	22.7	14.5	18.4	7/8	6.0	50.4	25
PT 3/8-N1	3/8	17.5	NPT 1/8	30.0	23.8	8.5	20.1	11/16	6.0	34.4	25
PT 3/8-N2	3/8	17.5	NPT 1/4	32.0	23.8	10.5	20.1	11/16	6.0	38.4	25
PT 3/8-N3	3/8	17.5	NPT 3/8	33.0	23.8	11.5	20.1	11/16	6.0	43.4	25
PT 3/8-N4	3/8	17.5	NPT 1/2	36.0	23.8	14.5	20.1	7/8	6.0	58.4	25
PT 1/2-N2	1/2	21.0	NPT 1/4	35.5	28.3	10.5	23.1	3/4	8.5	45.0	25
PT 1/2-N3	1/2	21.0	NPT 3/8	36.5	28.3	11.5	23.1	3/4	9.0	54.0	25
PT 1/2-N4	1/2	21.0	NPT 1/2	39.5	28.3	14.5	23.1	7/8	9.0	74.0	20

PT-G
Metric-BSPP(G)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PT 04-G01	4	10.5	G 1/8	21.5	18.5	5.0	14.8	14	3.0	11.0	100
PT 04-G02	4	10.5	G 1/4	23.5	18.5	6.5	14.8	17	3.0	16.0	100
PT 04-G03	4	10.5	G 3/8	23.0	18.5	6.5	14.8	20	3.0	23.0	50
PT 06-G01	6	12.5	G 1/8	23.5	20.3	5.0	16.4	14	4.0	17.0	50
PT 06-G02	6	12.5	G 1/4	25.5	20.3	6.5	16.4	17	4.0	23.0	50
PT 06-G03	6	12.5	G 3/8	25.0	20.3	6.5	16.4	20	4.0	26.0	50
PT 08-G01	8	15.0	G 1/8	25.0	22.6	5.0	18.3	14	6.0	23.0	50
PT 08-G02	8	15.0	G 1/4	27.0	22.6	6.5	18.3	17	6.0	27.0	50
PT 08-G03	8	15.0	G 3/8	26.5	22.6	6.5	18.3	20	6.0	31.0	50
PT 08-G04	8	15.0	G 1/2	28.0	25.2	8.0	18.3	24	6.0	51.0	25
PT 10-G01	10	17.5	G 1/8	25.5	25.2	5.0	20.2	17	6.0	36.0	25
PT 10-G02	10	17.5	G 1/4	27.5	25.2	6.5	20.2	17	8.0	40.0	25
PT 10-G03	10	17.5	G 3/8	27.0	25.2	6.5	20.2	20	8.0	41.0	25
PT 10-G04	10	17.5	G 1/2	28.5	25.2	8.0	20.2	24	8.0	60.0	25
PT 12-G02	12	20.5	G 1/4	30.4	28.7	6.5	22.9	19	8.0	47.0	25
PT 12-G03	12	20.5	G 3/8	29.9	28.7	6.5	22.9	20	10.0	56.0	25
PT 12-G04	12	20.5	G 1/2	31.4	28.7	8.0	22.9	24	10.0	76.0	20
PT 16-G03	14	20.5	G 3/8	40.8	32.8	6.5	24.1	24	10.0	77.0	12
PT 16-G04	14	25.5	G 1/2	41.8	32.8	8.0	24.1	24	13.0	97.0	12

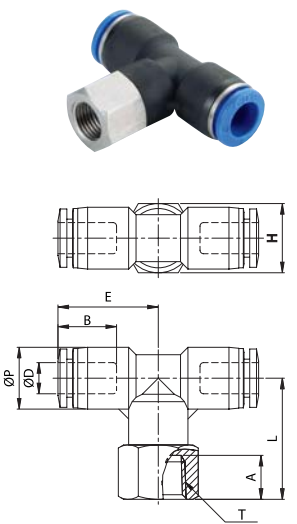
Inch-BSPT(R)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PT 1/4-01	1/4	13.0	R 1/8	27.0	20.5	8.0	16.8	12	4.0	16.4	50
PT 1/4-02	1/4	13.0	R 1/4	30.0	20.5	10.0	16.8	14	4.0	22.4	50
PT 1/4-03	1/4	13.0	R 3/8	31.0	20.5	11.0	16.8	17	4.0	42.4	50
PT 5/16-01	5/16	15.0	R 1/8	28.0	22.6	8.0	18.4	14	6.0	22.4	50
PT 5/16-02	5/16	15.0	R 1/4	31.0	22.6	10.0	18.4	14	6.0	26.4	50
PT 5/16-03	5/16	15.0	R 3/8	32.0	22.6	11.0	18.4	17	6.0	30.4	50
PT 3/8-01	3/8	17.5	R 1/8	28.5	23.8	8.0	20.1	17	6.0	34.4	25
PT 3/8-02	3/8	17.5	R 1/4	31.5	23.8	10.0	20.1	17	6.0	38.4	25
PT 3/8-03	3/8	17.5	R 3/8	32.5	23.8	11.0	20.1	17	6.0	43.4	25
PT 3/8-04	3/8	17.5	R 1/2	35.5	23.8	14.0	20.1	21	6.0	58.4	25
PT 1/2-02	1/2	21.0	R 1/4	35.0	28.3	10.0	23.1	19	9.0	45.0	25
PT 1/2-03	1/2	21.0	R 3/8	36.0	28.3	11.0	23.1	19	9.0	54.0	25
PT 1/2-04	1/2	21.0	R 1/2	39.0	28.3	14.0	23.1	21	9.0	74.0	20

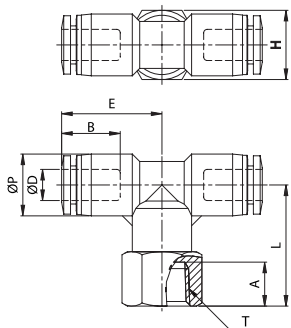
PTF

Metric-BSPT(R)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PTF 04-M5	4	10.5	M5×0.8p	21.5	18.5	8.0	14.8	10	3.0	12.0	100
PTF 04-M6	4	10.5	M6×1.0p	21.5	18.5	8.0	14.8	10	3.0	12.0	100
PTF 04-01	4	10.5	Rc 1/8	22.5	18.5	9.0	14.8	14	3.0	10.0	100
PTF 04-02	4	10.5	Rc 1/4	24.5	18.5	11.0	14.8	17	3.0	22.0	50
PTF 06-M5	6	12.5	M5×0.8p	23.5	20.3	8.0	16.4	12	4.2	19.0	50
PTF 06-M6	6	12.5	M6×1.0p	23.5	20.3	8.0	16.4	12	4.2	18.0	50
PTF 06-01	6	12.5	Rc 1/8	24.5	20.3	9.0	16.4	14	4.0	20.0	50
PTF 06-02	6	12.5	Rc 1/4	26.5	20.3	11.0	16.4	17	4.0	26.0	50
PTF 06-03	6	12.5	Rc 3/8	27.5	20.3	12.0	16.4	22	4.0	41.0	25
PTF 08-01	8	15.0	Rc 1/8	26.0	20.6	9.0	18.3	14	6.0	23.0	50
PTF 08-02	8	15.0	Rc 1/4	28.0	20.6	11.0	18.3	17	6.0	31.0	25
PTF 08-03	8	15.0	Rc 3/8	29.0	20.6	12.0	18.3	22	6.0	44.0	25
PTF 08-04	8	15.0	Rc 1/2	31.0	20.6	14.0	18.3	24	6.0	42.0	25
PTF 10-01	10	17.5	Rc 1/8	28.5	25.2	9.0	20.2	17	7.0	42.0	25
PTF 10-02	10	17.5	Rc 1/4	28.5	25.2	11.0	20.2	17	7.0	37.0	25
PTF 10-03	10	17.5	Rc 3/8	29.5	25.2	12.0	20.2	22	7.0	51.0	20
PTF 10-04	10	17.5	Rc 1/2	31.5	25.2	14.0	20.2	24	7.0	52.0	20
PTF 12-02	12	20.5	Rc 1/4	31.4	28.7	11.0	22.9	19	10.0	52.0	20
PTF 12-03	12	20.5	Rc 3/8	32.4	28.7	12.0	22.9	22	10.0	58.0	20
PTF 12-04	12	20.5	Rc 1/2	34.4	28.7	14.0	22.9	24	10.0	61.0	15

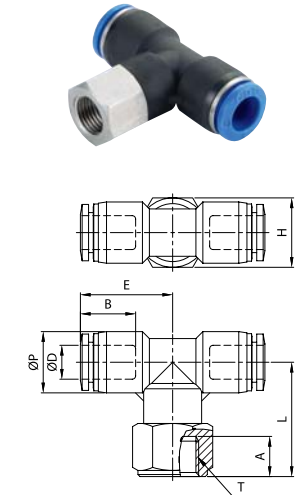
Inch-NPT



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PTF 5/32-U	5/32	10.5	UNF 10/32	21.5	18.5	7.0	14.8	13/32	3.0	11.6	100
PTF 5/32-N1	5/32	10.5	NPT 1/8	21.5	18.5	9.0	14.8	9/16	3.0	12.6	100
PTF 5/32-N2	5/32	10.5	NPT 1/4	22.5	18.5	11.0	14.8	11/16	3.0	19.6	50
PTF 3/16-U	3/16	11.5	UNF 10/32	21.5	19.1	7.0	15.8	7/16	3.0	11.4	100
PTF 3/16-N1	3/16	11.5	NPT 1/8	22.5	19.1	9.0	15.8	9/16	3.0	12.4	50
PTF 3/16-N2	3/16	11.5	NPT 1/4	24.5	19.1	11.0	15.8	11/16	3.0	19.4	50
PTF 1/4-U	1/4	13.0	UNF 10/32	21.0	20.5	5.0	16.8	1/2	3.0	19.4	50
PTF 1/4-N1	1/4	13.0	NPT 1/8	25.0	20.5	9.0	16.8	9/16	4.0	34.4	50
PTF 1/4-N2	1/4	13.0	NPT 1/4	27.5	20.5	11.0	16.8	11/16	4.0	37.4	50
PTF 1/4-N3	1/4	13.0	NPT 3/8	28.0	20.5	12.0	16.8	7/8	4.0	39.4	50
PTF 5/16-N1	5/16	15.0	NPT 1/8	26.0	22.7	9.0	18.4	9/16	6.0	39.4	50
PTF 5/16-N2	5/16	15.0	NPT 1/4	28.0	22.7	11.0	18.4	11/16	6.0	42.4	50
PTF 5/16-N3	5/16	15.0	NPT 3/8	29.0	22.7	12.0	18.4	7/8	6.0	45.4	25
PTF 3/8-N2	3/8	17.5	NPT 1/4	28.5	23.8	11.0	20.1	11/16	6.0	68.4	25
PTF 3/8-N3	3/8	17.5	NPT 3/8	29.5	23.8	12.0	20.1	7/8	6.0	76.4	20
PTF 3/8-N4	3/8	17.5	NPT 1/2	31.5	23.8	14.5	20.1	15/16	6.0	59.4	20
PTF 1/2-N3	1/2	21.0	NPT 3/8	33.0	28.3	12.0	23.1	7/8	9.0	98.0	20
PTF 1/2-N4	1/2	21.0	NPT 1/2	35.0	28.3	14.5	23.1	15/16	9.0	124.0	15

PTF-G

Metric-BSPP(G)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PTF 04-G01	4	10.5	G 1/8	22.5	18.5	9.0	14.8	14	3.0	16.0	100
PTF 04-G02	4	10.5	G 1/4	24.5	18.5	11.0	14.8	17	3.0	22.0	50
PTF 06-G01	6	12.5	G 1/8	24.5	20.3	9.0	16.4	14	4.0	20.0	50
PTF 06-G02	6	12.5	G 1/4	26.5	20.3	11.0	16.4	17	4.0	24.0	50
PTF 06-G03	6	12.5	G 3/8	27.5	20.3	12.0	16.4	22	4.0	39.0	25
PTF 08-G01	8	15.0	G 1/8	26.0	22.6	9.0	18.3	14	6.0	23.0	50
PTF 08-G02	8	15.0	G 1/4	28.0	22.6	11.0	18.3	17	6.0	28.0	25
PTF 08-G03	8	15.0	G 3/8	29.0	22.6	12.0	18.3	22	6.0	43.0	25
PTF 08-G04	8	15.0	G 1/2	31.0	22.6	14.0	18.3	24	6.0	44.0	25
PTF 10-G01	10	17.5	G 1/8	28.5	25.2	9.0	20.2	17	7.0	43.0	25
PTF 10-G02	10	17.5	G 1/4	28.5	25.2	11.0	20.2	17	7.0	35.0	25
PTF 10-G03	10	17.5	G 3/8	29.5	25.2	12.0	20.2	22	7.0	45.0	20
PTF 10-G04	10	17.5	G 1/2	31.5	25.2	14.0	20.2	24	7.0	46.0	20
PTF 12-G02	12	20.5	G 1/4	31.4	28.7	11.0	22.9	19	10.0	50.0	20
PTF 12-G03	12	20.5	G 3/8	32.4	28.7	12.0	22.9	22	10.0	58.0	20
PTF 12-G04	12	20.5	G 1/2	34.4	28.7	14.0	22.9	24	10.0	58.0	15

ONE-TOUCH FITTINGS

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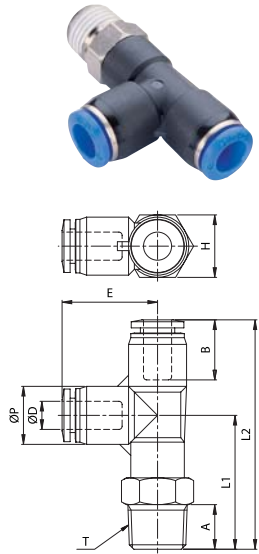
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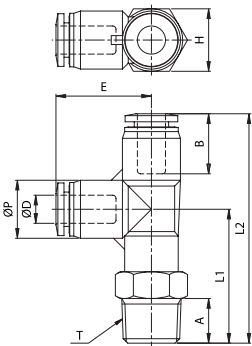
PST

Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PST 04-M5	4	10.6	M5×0.8p	21.5	41.0	19.5	4.0	14.8	10	2.5	10.0	100
PST 04-M6	4	10.6	M6×1.0p	21.6	41.1	19.5	4.1	14.8	10	3.0	10.0	100
PST 04-01	4	10.6	R 1/8	25.5	45.0	19.5	8.0	14.8	10	3.0	12.0	100
PST 04-02	4	10.6	R 1/4	27.5	47.0	19.5	10.0	14.8	14	3.0	18.0	100
PST 04-03	4	10.6	R 3/8	28.5	48.0	19.5	11.0	16.4	17	3.0	27.0	50
PST 06-M5	6	13.0	M5×0.8p	23.0	44.4	21.4	4.0	16.4	12	2.5	15.0	50
PST 06-M6	6	13.0	M6×1.0p	23.1	44.5	21.4	4.1	16.4	12	3.0	15.0	50
PST 06-01	6	13.0	R 1/8	27.0	48.4	21.4	8.0	16.4	12	4.0	19.0	50
PST 06-02	6	13.0	R 1/4	30.0	51.4	21.4	10.0	16.4	14	4.0	23.0	50
PST 06-03	6	13.0	R 3/8	31.0	52.4	21.4	11.0	18.3	17	4.0	31.0	50
PST 06-04	6	13.0	R 1/2	34.0	55.4	21.4	14.0	18.3	21	4.0	56.0	25
PST 08-01	8	15.0	R 1/8	28.8	52.1	23.4	8.0	18.3	14	6.0	17.0	50
PST 08-02	8	15.0	R 1/4	31.8	55.1	23.4	10.0	18.3	14	6.0	25.0	50
PST 08-03	8	15.0	R 3/8	32.8	56.1	23.4	11.0	18.3	17	6.0	30.0	50
PST 08-04	8	15.0	R 1/2	35.8	59.1	23.4	14.0	18.3	21	6.0	54.0	25
PST 10-01	10	18.0	R 1/8	30.0	55.8	25.8	8.0	20.2	17	6.0	34.0	25
PST 10-02	10	18.0	R 1/4	33.0	58.8	25.8	10.0	20.2	17	8.0	36.0	25
PST 10-03	10	18.0	R 3/8	34.0	59.8	25.8	11.0	20.2	17	8.0	38.0	25
PST 10-04	10	18.0	R 1/2	37.0	62.8	25.8	14.0	20.2	21	8.0	60.0	25
PST 12-01	12	20.8	R 1/8	32.9	63.1	30.2	8.0	22.9	19	6.0	51.0	25
PST 12-02	12	20.8	R 1/4	34.9	65.1	30.2	10.0	22.9	19	9.0	50.0	25
PST 12-03	12	20.8	R 3/8	35.9	66.1	30.2	11.0	22.9	19	10.0	52.0	25
PST 12-04	12	20.8	R 1/2	38.9	69.1	30.2	14.0	22.9	21	10.0	66.0	20

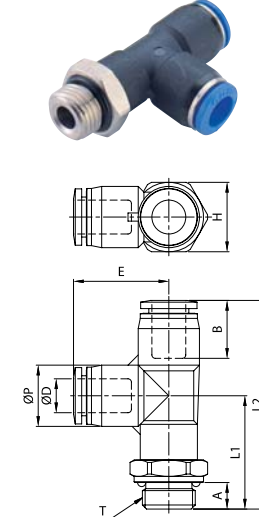
Inch-NPT



MODEL	ØD	ØP	T	L1	L2	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PST 5/32-U	5/32	10.6	UNF 10/32	22.4	41.9	19.5	3.6	14.8	7/16	2.5	9.6	100
PST 5/32-N1	5/32	10.6	NPT 1/8	26.0	45.5	19.5	8.5	14.8	7/16	3.0	11.6	100
PST 5/32-N2	5/32	10.6	NPT 1/4	29.0	48.5	19.5	10.5	14.8	9/16	3.0	15.6	50
PST 3/16-U	3/16	11.5	UNF 10/32	21.4	41.5	20.1	3.6	15.8	7/16	2.5	9.4	50
PST 3/16-N1	3/16	11.5	NPT 1/8	25.0	45.1	20.1	8.5	15.8	7/16	3.0	11.4	50
PST 3/16-N2	3/16	11.5	NPT 1/4	28.0	48.1	20.1	10.5	15.8	9/16	3.0	15.4	50
PST 3/16-N3	3/16	11.5	NPT 3/8	29.0	49.1	20.1	11.5	15.8	11/16	3.0	19.4	50
PST 1/4-U	1/4	13.0	UNF 10/32	25.9	47.4	21.5	3.6	16.8	1/2	2.5	14.4	50
PST 1/4-N1	1/4	13.0	NPT 1/8	27.8	49.3	21.5	8.5	16.8	1/2	4.0	16.4	50
PST 1/4-N2	1/4	13.0	NPT 1/4	30.5	52.0	21.5	10.5	16.8	9/16	4.0	22.4	50
PST 1/4-N3	1/4	13.0	NPT 3/8	31.5	53.0	21.5	11.5	16.8	11/16	4.0	42.4	50
PST 5/16-N1	5/16	15.0	NPT 1/8	30.3	53.7	23.4	8.5	18.4	9/16	6.0	22.4	50
PST 5/16-N2	5/16	15.0	NPT 1/4	32.3	55.7	23.4	10.5	18.4	9/16	6.0	26.4	50
PST 5/16-N3	5/16	15.0	NPT 3/8	33.3	56.7	23.4	11.5	18.4	11/16	6.0	30.4	50
PST 5/16-N4	5/16	15.0	NPT 1/2	36.4	59.8	23.4	14.5	18.4	7/8	6.0	50.4	25
PST 3/8-N1	3/8	17.5	NPT 1/8	31.5	57.3	25.8	8.5	20.1	11/16	6.0	34.4	25
PST 3/8-N2	3/8	17.5	NPT 1/4	33.5	59.3	25.8	10.5	20.1	11/16	8.0	38.4	25
PST 3/8-N3	3/8	17.5	NPT 3/8	34.5	60.3	25.8	11.5	20.1	11/16	8.0	43.4	25
PST 3/8-N4	3/8	17.5	NPT 1/2	37.5	63.3	25.8	14.5	20.1	7/8	8.0	58.4	25
PST 1/2-N2	1/2	21.0	NPT 1/4	35.5	65.8	30.3	10.5	23.1	3/4	8.5	45.0	25
PST 1/2-N3	1/2	21.0	NPT 3/8	36.5	66.8	30.3	11.5	23.1	3/4	10.0	54.0	25
PST 1/2-N4	1/2	21.0	NPT 1/2	39.5	69.8	30.3	14.5	23.1	7/8	10.0	74.0	20

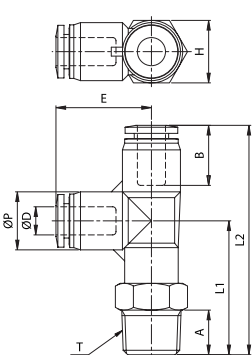
PST-G

Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PST 04-G01	4	10.6	G 1/8	22.5	42.0	19.5	5.0	14.8	14	3.0	14.0	100
PST 04-G02	4	10.6	G 1/4	24.5	44.0	19.5	6.5	14.8	17	3.0	18.0	100
PST 04-G03	4	10.6	G 3/8	24.0	43.5	19.5	6.5	14.8	20	3.0	24.0	50
PST 06-G01	6	13.0	G 1/8	24.0	45.4	21.4	5.0	16.4	14	4.0	18.0	50
PST 06-G02	6	13.0	G 1/4	26.0	47.4	21.4	6.5	16.4	17	4.0	23.0	50
PST 06-G03	6	13.0	G 3/8	25.5	46.9	21.4	6.5	16.4	20	4.0	27.0	50
PST 08-G01	8	15.0	G 1/8	25.8	49.1	23.4	5.0	18.3	14	6.0	20.0	50
PST 08-G02	8	15.0	G 1/4	27.8	51.1	23.4	6.5	18.3	17	6.0	26.0	50
PST 08-G03	8	15.0	G 3/8	27.3	50.6	23.4	6.5	18.3	20	6.0	28.0	50
PST 08-G04	8	15.0	G 1/2	28.8	52.1	23.4	8.0	18.3	24	6.0	43.0	25
PST 10-G01	10	18.0	G 1/8	27.0	52.8	25.8	5.0	20.2	17	6.0	31.0	25
PST 10-G02	10	18.0	G 1/4	29.0	54.8	25.8	6.5	20.2	17	8.0	32.0	25
PST 10-G03	10	18.0	G 3/8	28.5	54.3	25.8	6.5	20.2	20	8.0	38.0	25
PST 10-G04	10	18.0	G 1/2	30.0	55.8	25.8	8.0	20.2	24	8.0	52.0	25
PST 12-G02	12	20.8	G 1/4	30.9	61.1	30.2	6.5	22.9	19	8.0	45.0	25
PST 12-G03	12	20.8	G 3/8	30.4	60.6	30.2	6.5	22.9	20	10.0	45.0	25
PST 12-G04	12	20.8	G 1/2	31.9	62.1	30.2	8.0	22.9	24	10.0	57.0	20

Inch-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PST 1/4-01	1/4	13.0	R 1/8	27.0	48.5	21.5	8.0	16.8	12	4.0	16.4	50
PST 1/4-02	1/4	13.0	R 1/4	30.0	51.5	21.5	10.0	16.8	14	4.0	22.4	50
PST 1/4-03	1/4	13.0	R 3/8	31.0	52.5	21.5	11.0	16.8	17	4.0	42.4	50
PST 5/16-01	5/16	15.0	R 1/8	28.8	52.2	23.4	8.0	18.4	14	6.0	22.4	50
PST 5/16-02	5/16	15.0	R 1/4	31.8	55.2	23.4	10.0	18.4	14	6.0	26.4	50
PST 5/16-03	5/16	15.0	R 3/8	32.8	56.2	23.4	11.0	18.4	17	6.0	30.4	50
PST 3/8-02	3/8	17.5	R 1/4	33.0	58.8	25.8	10.0	20.1	17	8.0	38.4	25
PST 3/8-03	3/8	17.5	R 3/8	34.0	59.8	25.8	11.0	20.1	17	8.0	43.4	25
PST 3/8-04	3/8	17.5	R 1/2	37.0	62.8	25.8	14.0	20.1	21	8.0	58.4	25
PST 1/2-02	1/2	21.0	R 1/4	35.0	65.3	30.3	10.0	23.1	19	9.0	45.0	25
PST 1/2-03	1/2	21.0	R 3/8	36.0	66.3	30.3	11.0	23.1	19	10.0	54.0	25
PST 1/2-04	1/2	21.0	R 1/2	39.0	69.3	30.3	14.0	23.1	21	10.0	74.0	20

ONE-TOUCH FITTINGS

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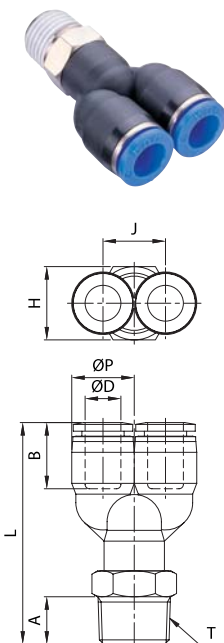
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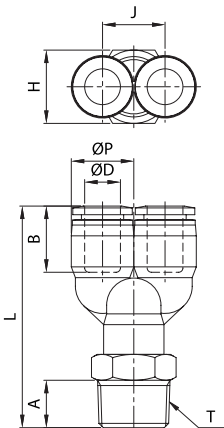
F

PWT
Metric-BSPT(R)



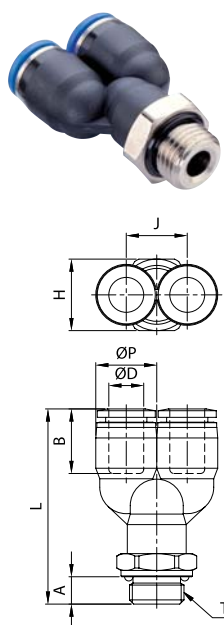
MODEL	ØD	ØP	T	L	J	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PWT 04-M5	4	10.5	M5×0.8p	39.4	10.5	4.0	15.5	10	2.5	11.0	100
PWT 04-M6	4	10.5	M6×1.0p	39.5	10.5	4.1	15.5	10	3.0	11.0	100
PWT 04-01	4	10.5	R 1/8	43.4	10.5	8.0	15.5	10	3.0	12.0	100
PWT 04-02	4	10.5	R 1/4	45.4	10.5	10.0	15.5	14	3.0	18.0	100
PWT 04-03	4	12.5	R 3/8	46.4	12.5	11.0	15.5	17	3.0	27.0	50
PWT 06-M5	6	12.5	M5×0.8p	40.4	12.5	4.0	16.9	12	2.5	16.0	50
PWT 06-M6	6	12.5	M6×1.0p	40.5	12.5	4.1	16.9	12	3.0	16.0	50
PWT 06-01	6	12.5	R 1/8	44.4	12.5	8.0	16.9	12	4.0	17.0	50
PWT 06-02	6	12.5	R 1/4	47.4	12.5	10.0	16.9	14	4.0	22.0	50
PWT 06-03	6	15.0	R 3/8	48.4	15.0	11.0	16.9	17	4.0	32.0	50
PWT 06-04	6	15.0	R 1/2	51.4	15.0	14.0	16.9	21	4.0	54.0	25
PWT 08-01	8	14.5	R 1/8	47.4	14.5	8.0	18.6	14	6.0	22.0	50
PWT 08-02	8	14.5	R 1/4	50.4	14.5	10.0	18.6	14	6.0	24.0	50
PWT 08-03	8	14.5	R 3/8	51.4	14.5	11.0	18.6	17	6.0	38.0	50
PWT 08-04	8	14.5	R 1/2	54.4	14.5	14.0	18.6	21	6.0	50.0	25
PWT 10-01	10	17.6	R 1/8	51.3	17.6	8.0	20.3	17	6.0	35.0	25
PWT 10-02	10	17.6	R 1/4	54.3	17.6	10.0	20.3	17	8.0	37.0	25
PWT 10-03	10	17.6	R 3/8	55.3	17.6	11.0	20.3	17	8.0	40.0	25
PWT 10-04	10	17.6	R 1/2	58.3	17.6	14.0	20.3	21	8.0	63.0	25
PWT 12-01	12	21.0	R 1/8	57.2	21.0	8.0	22.7	19	6.0	54.0	25
PWT 12-02	12	21.0	R 1/4	59.2	21.0	10.0	22.7	19	9.0	52.0	25
PWT 12-03	12	21.0	R 3/8	60.2	21.0	11.0	22.7	19	10.0	53.0	25
PWT 12-04	12	21.0	R 1/2	63.2	21.0	14.0	22.7	21	10.0	66.0	25

Inch-NPT



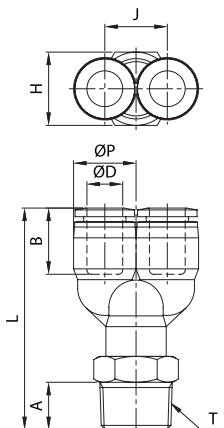
MODEL	ØD	ØP	T	L	J	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PWT 5/32-U	5/32	10.5	UNF 10/32	40.3	10.5	3.6	15.5	7/16	2.5	10.6	100
PWT 5/32-N1	5/32	10.5	NPT 1/8	43.9	10.5	8.5	15.5	7/16	3.0	11.6	100
PWT 5/32-N2	5/32	10.5	NPT 1/4	46.9	10.5	10.5	15.5	9/16	3.0	17.6	50
PWT 3/16-U	3/16	11.5	UNF 10/32	41.8	11.5	3.6	16.8	7/16	2.5	10.4	50
PWT 3/16-N1	3/16	11.5	NPT 1/8	45.4	11.5	8.5	16.8	7/16	3.0	11.4	50
PWT 3/16-N2	3/16	11.5	NPT 1/4	48.4	11.5	10.5	16.8	9/16	3.0	17.4	50
PWT 3/16-N3	3/16	11.5	NPT 3/8	49.4	11.5	11.5	16.8	11/16	3.0	19.4	50
PWT 1/4-U	1/4	13.0	UNF 10/32	45.8	13.0	3.6	17.9	1/2	2.5	15.4	50
PWT 1/4-N1	1/4	13.0	NPT 1/8	47.7	13.0	8.5	17.9	1/2	4.0	18.4	50
PWT 1/4-N2	1/4	13.0	NPT 1/4	50.4	13.0	10.5	17.9	9/16	4.0	19.4	50
PWT 1/4-N3	1/4	13.0	NPT 3/8	51.4	13.0	11.5	17.9	11/16	4.0	31.4	50
PWT 5/16-N1	5/16	14.5	NPT 1/8	49.0	14.5	8.5	18.7	9/16	6.0	19.4	50
PWT 5/16-N2	5/16	14.5	NPT 1/4	50.7	14.5	10.5	18.7	9/16	6.0	28.4	50
PWT 5/16-N3	5/16	14.5	NPT 3/8	52.0	14.5	11.5	18.7	11/16	6.0	29.4	50
PWT 5/16-N4	5/16	14.5	NPT 1/2	55.0	14.5	14.5	18.7	7/8	6.0	49.4	25
PWT 3/8-N1	3/8	17.6	NPT 1/8	52.7	17.6	8.5	20.2	11/16	6.0	28.4	25
PWT 3/8-N2	3/8	17.6	NPT 1/4	54.7	17.6	10.5	20.2	11/16	8.0	36.4	25
PWT 3/8-N3	3/8	17.6	NPT 3/8	55.7	17.6	11.5	20.2	11/16	8.0	38.4	25
PWT 3/8-N4	3/8	17.6	NPT 1/2	58.7	17.6	14.5	20.2	7/8	8.0	58.4	25
PWT 1/2-N2	1/2	21.0	NPT 1/4	64.6	21.0	10.5	23.0	3/4	8.5	58.0	25
PWT 1/2-N3	1/2	21.0	NPT 3/8	65.6	21.0	11.5	23.0	3/4	10.0	68.0	25
PWT 1/2-N4	1/2	21.0	NPT 1/2	68.6	21.0	14.5	23.0	7/8	10.0	78.0	20

PWT-G
Metric-BSPP(G)



MODEL	ØD	ØP	T	L	J	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PWT 04-G01	4	10.5	G 1/8	40.4	10.5	5.0	15.5	14	3.0	14.0	100
PWT 04-G02	4	10.5	G 1/4	42.4	10.5	6.5	15.5	17	3.0	18.0	100
PWT 04-G03	4	10.5	G 3/8	41.9	10.5	6.5	15.5	20	3.0	23.0	50
PWT 06-G01	6	12.5	G 1/8	41.4	12.5	5.0	16.9	14	4.0	19.0	50
PWT 06-G02	6	12.5	G 1/4	43.4	12.5	6.5	16.9	17	4.0	21.0	50
PWT 06-G03	6	12.5	G 3/8	42.9	12.5	6.5	16.9	20	4.0	26.0	50
PWT 06-G04	6	12.5	G 1/2	44.4	12.5	8.0	16.9	24	4.0	40.0	25
PWT 08-G01	8	14.5	G 1/8	44.4	14.5	5.0	18.6	14	6.0	20.0	50
PWT 08-G02	8	14.5	G 1/4	46.4	14.5	6.5	18.6	17	6.0	25.0	50
PWT 08-G03	8	14.5	G 3/8	45.9	14.5	6.5	18.6	20	6.0	31.0	50
PWT 08-G04	8	14.5	G 1/2	47.4	14.5	8.0	18.6	24	6.0	43.0	25
PWT 10-G01	10	17.6	G 1/8	48.3	17.6	5.0	20.3	17	6.0	33.0	25
PWT 10-G02	10	17.6	G 1/4	50.3	17.6	6.5	20.3	17	8.0	32.0	25
PWT 10-G03	10	17.6	G 3/8	49.8	17.6	6.5	20.3	20	8.0	38.0	25
PWT 10-G04	10	17.6	G 1/2	51.3	17.6	8.0	20.3	24	8.0	45.0	25
PWT 12-G02	12	21.0	G 1/4	55.2	21.0	6.5	22.7	19	8.0	47.0	25
PWT 12-G03	12	21.0	G 3/8	54.7	21.0	6.5	22.7	20	10.0	47.0	25
PWT 12-G04	12	21.0	G 1/2	56.2	21.0	8.0	22.7	24	10.0	66.0	25

Inch-BSPT(R)

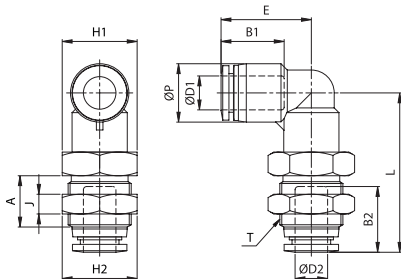


MODEL	ØD	ØP	T	L	J	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PWT 1/4-01	1/4	13.0	R 1/8	46.9	13.0	8.0	17.9	12	4.0	18.4	50
PWT 1/4-02	1/4	13.0	R 1/4	49.9	13.0	10.0	17.9	14	4.0	19.4	50
PWT 1/4-03	1/4	13.0	R 3/8	50.9	13.0	11.0	17.9	17	4.0	31.4	50
PWT 5/16-01	5/16	14.5	R 1/8	47.5	14.5	8.0	18.7	14	6.0	19.4	50
PWT 5/16-02	5/16	14.5	R 1/4	50.5	14.5	10.0	18.7	14	6.0	28.4	50
PWT 5/16-03	5/16	14.5	R 3/8	51.5	14.5	11.0	18.7	17	6.0	29.4	50
PWT 3/8-02	3/8	17.6	R 1/4	54.2	17.6	10.0	20.2	17	8.0	36.4	25
PWT 3/8-03	3/8	17.6	R 3/8	55.2	17.6	11.0	20.2	17	8.0	38.4	25
PWT 3/8-04	3/8	17.6	R 1/2	58.2	17.6	14.0	20.2	21	8.0	58.4	25
PWT 1/2-02	1/2	21.0	R 1/4	64.1	21.0	10.0	23.0	19	9.0	58.0	25
PWT 1/2-03	1/2	21.0	R 3/8	65.1	21.0	11.0	23.0	19	10.0	68.0	25
PWT 1/2-04	1/2	21.0	R 1/2	68.1	21.0	14.0	23.0	21	10.0	78.0	20

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PLM

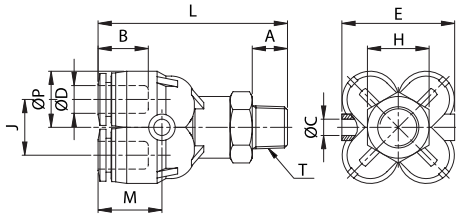
Metric



MODEL	ØD1	ØD2	ØP	T	L	E	A	B1	B2	J	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PLM 04	4	4	10.5	M12×1.0p	32.5	18.5	10.5	14.8	14.8	4.0	14	14	3.0	19.0	100
PLM 06	6	6	12.5	M14×1.0p	38.2	20.3	12.5	16.4	16.4	4.0	17	17	4.0	31.0	50
PLM 08	8	8	14.8	M16×1.0p	40.4	22.9	13.0	18.3	18.4	5.0	19	19	6.0	39.0	50
PLM 10	10	10	17.5	M20×1.0p	41.9	24.6	13.5	20.2	19.7	5.0	24	24	7.0	57.0	25
PLM 12	12	12	20.5	M22×1.0p	48.1	28.7	16.5	22.9	21.9	5.0	26	26	10.0	79.0	25

PXT

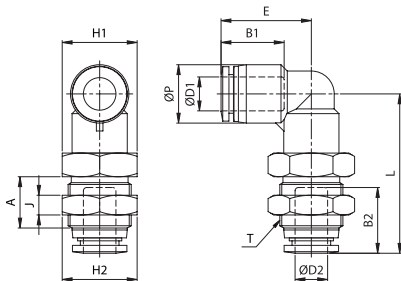
Metric-BSPT(R)



MODEL	ØD	ØP	T	L	E	J	ØC	A	B	M	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PXT 04-01	4	10.5	R1/8	41.7	21.2	10.6	3.3	8.0	15.3	13.9	10	4.0	19.0	50
PXT 04-02	4	10.5	R1/4	44.7	21.2	10.6	3.3	10.0	15.3	13.9	14	4.0	23.0	50
PXT 06-01	6	12.8	R1/8	43.0	25.6	12.7	3.3	8.0	16.4	15.5	12	6.0	24.0	25
PXT 06-02	6	12.8	R1/4	46.0	25.6	12.7	3.3	10.0	16.4	15.5	14	6.0	30.0	25

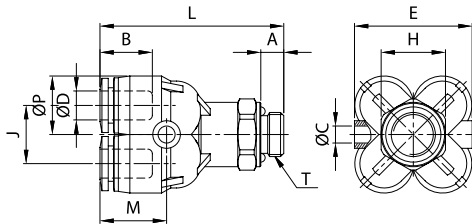
Inch

MODEL	ØD1	ØD2	ØP	T	L	E	A	B1	B2	J	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PLM 5/32	5/32	5/32	10.5	M12×1.0p	32.5	18.5	10.5	14.8	14.8	4.0	14	14	3.0	12.6	100
PLM 3/16	3/16	3/16	11.5	M14×1.0p	34.3	19.1	11.5	15.8	15.8	4.0	17	17	3.0	13.5	50
PLM 1/4	1/4	1/4	13.0	M14×1.0p	38.9	20.5	12.5	16.8	16.9	4.0	17	17	4.0	15.5	50
PLM 5/16	5/16	5/16	14.8	M16×1.0p	40.5	23.0	13.0	18.4	18.5	5.0	19	19	6.0	20.4	50
PLM 3/8	3/8	3/8	17.5	M20×1.0p	42.2	24.6	13.5	20.1	19.6	5.0	24	24	7.0	28.6	25
PLM 1/2	1/2	1/2	21.0	M22×1.0p	48.9	28.3	16.5	23.1	22.7	5.0	26	26	10.0	47.1	25



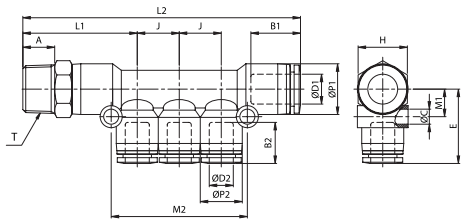
PXT-G

Metric-BSPP(G)



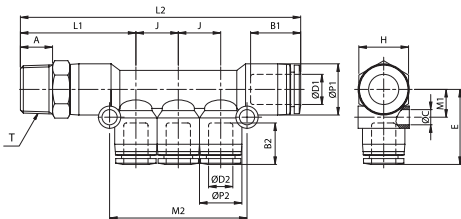
MODEL	ØD	ØP	T	L	E	J	ØC	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PXT 04-G01	4	10.5	G1/8	41.7	38.7	10.6	3.3	5.0	15.3	14	4.0	19.0	50
PXT 04-G02	4	10.5	G1/4	44.7	40.7	10.6	3.3	6.5	15.3	17	4.0	23.0	50
PXT 06-G01	6	12.8	G1/8	43.0	40.0	12.7	3.3	5.0	16.4	14	6.0	24.0	25
PXT 06-G02	6	12.8	G1/4	46.0	42.0	12.7	3.3	6.5	16.4	17	6.0	30.0	25

PKD
Metric-BSPT(R)



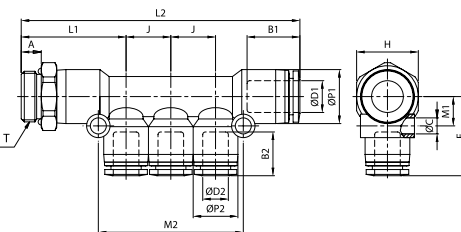
MODEL	ØD1	ØD2	ØP1	ØP2	T	L1	L2	E	ØC	A	B1	B2	J	M1	M2	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PKD 0604-01	6	4	12.5	10.5	R1/8	30.1	72.1	19.5	3.3	8.0	16.4	14.8	10.5	7.6	34.0	12	3.0	20.0	25
PKD 0604-02	6	4	12.5	10.5	R1/4	33.1	75.1	19.5	3.3	10.0	16.4	14.8	10.5	7.6	34.0	14	3.0	25.2	25
PKD 0804-01	8	4	14.5	10.5	R1/8	30.9	74.1	20.7	4.3	8.0	18.3	14.8	10.5	9.2	34.8	14	3.0	23.1	25
PKD 0804-02	8	4	14.5	10.5	R1/4	33.9	77.1	20.7	4.3	10.0	18.3	14.8	10.5	9.2	34.8	14	3.0	30.0	25
PKD 0806-01	8	6	14.5	12.5	R1/8	31.9	80.1	22.2	4.3	8.0	18.3	16.4	12.5	9.3	41.1	14	5.0	26.8	25
PKD 0806-02	8	6	14.5	12.5	R1/4	34.9	83.1	22.2	4.3	10.0	18.3	16.4	12.5	9.3	41.1	14	5.0	33.0	25
PKD 1006-02	10	6	17.5	12.5	R1/4	37.9	89.6	22.8	4.3	10.0	20.2	16.4	12.5	9.5	41.7	17	5.0	40.3	25
PKD 1006-03	10	6	17.5	12.5	R3/8	38.9	90.6	22.8	4.3	11.0	20.2	16.4	12.5	9.5	41.7	17	5.0	47.0	20
PKD 1008-02	10	8	17.5	14.5	R1/4	38.5	94.9	25.7	4.3	10.0	20.2	18.3	14.5	9.5	47.0	17	6.8	44.3	20
PKD 1008-03	10	8	17.5	14.5	R3/8	39.5	95.9	25.7	4.3	11.0	20.2	18.3	14.5	9.5	47.0	17	6.8	50.0	20

Inch-NPT



MODEL	ØD1	ØD2	ØP1	ØP2	T	L1	L2	E	ØC	A	B1	B2	J	M1	M2	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PKD 3/16-5/32-N1	3/16	5/32	11.5	10.5	NPT 1/8	29.1	69.8	20.4	4.5	8.5	15.8	14.8	10.5	8.0	36.0	7/16	3.2	26.1	25
PKD 1/4-5/32-N1	1/4	5/32	13.0	10.5	NPT 1/8	29.8	71.1	20.4	4.5	8.5	16.8	14.8	10.5	8.8	36.0	1/2	3.2	26.1	25
PKD 5/16-5/32-N2	5/16	5/32	14.5	10.5	NPT 1/4	34.4	77.7	20.8	4.3	10.5	18.4	14.8	10.5	9.2	34.8	9/16	3.0	31.1	25
PKD 5/16-3/16-N2	5/16	3/16	14.5	11.5	NPT 1/4	34.5	80.0	21.6	4.5	10.5	18.4	15.8	11.5	9.7	39.0	9/16	4.0	34.8	25
PKD 5/16-1/4-N2	5/16	1/4	14.5	13.0	NPT 1/4	35.0	84.0	22.7	4.5	10.5	18.4	16.8	13.0	9.7	43.5	9/16	4.8	31.8	25
PKD 3/8-1/4-N3	3/8	1/4	17.5	13.0	NPT 3/8	36.8	86.9	23.4	4.5	11.5	20.1	16.8	13.0	11.0	43.5	11/16	4.8	58.3	20
PKD 3/8-5/16-N3	3/8	5/16	17.5	14.5	NPT 3/8	40.0	96.3	25.7	4.3	11.5	20.1	18.4	14.5	9.5	47.0	11/16	6.8	62.3	20

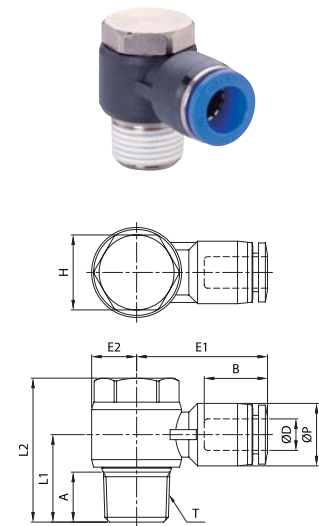
PKD-G
Metric-BSPP(G)



MODEL	ØD1	ØD2	ØP1	ØP2	T	L1	L2	E	ØC	A	B1	B2	J	M1	M2	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PKD 0604-G01	6	4	12.5	10.5	G1/8	27.1	69.1	19.5	3.3	5.0	16.4	14.8	10.5	7.6	34.0	14	3.0	25.0	25
PKD 0804-G01	8	4	14.5	10.5	G1/8	27.9	71.1	20.7	4.3	5.0	18.3	14.8	10.5	9.2	34.8	14	3.0	24.1	25
PKD 0804-G02	8	4	14.5	10.5	G1/4	29.9	73.1	20.7	4.3	6.5	18.3	14.8	10.5	9.2	34.8	17	3.0	30.0	25
PKD 0806-G01	8	6	14.5	12.5	G1/8	28.9	77.1	22.2	4.3	5.0	18.3	16.4	12.5	9.3	41.1	14	5.0	27.8	25
PKD 0806-G02	8	6	14.5	12.5	G1/4	30.9	79.1	22.2	4.3	6.5	18.3	16.4	12.5	9.3	41.1	17	5.0	33.0	25
PKD 1006-G02	10	6	17.5	12.5	G1/4	33.9	85.6	22.8	4.3	6.5	20.2	16.4	12.5	9.5	41.7	17	5.0	35.3	25
PKD 1006-G03	10	6	17.5	12.5	G3/8	33.4	85.1	22.8	4.3	6.5	20.2	16.4	12.5	9.5	41.7	20	5.0	42.0	20
PKD 1008-G02	10	8	17.5	14.5	G1/4	34.5	90.9	25.7	4.3	6.5	20.2	18.3	14.5	9.5	47.0	17	6.8	38.3	20
PKD 1008-G03	10	8	17.5	14.5	G3/8	34.0	90.4	25.7	4.3	6.5	20.2	18.3	14.5	9.5	47.0	20	6.8	46.0	20

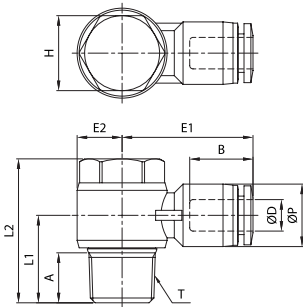
CAS
Metric

PH
Metric-BSPT(R)



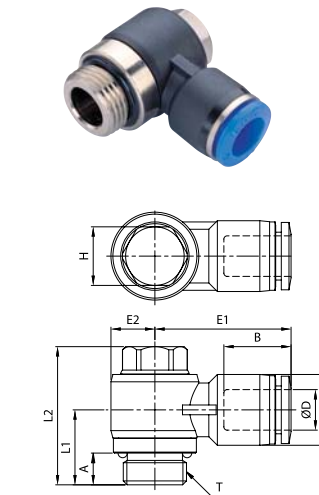
MODEL	ØD	ØP	T	L1	L2	E1	E2	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PH 03-M5	3	7.8	M5×0.8p	9.6	18.2	16.6	5.0	3.6	11.3	8	2.0	7.0	100
PH 04-M5	4	10.5	M5×0.8p	10.3	18.2	20.2	5.0	3.6	14.8	8	2.0	8.0	50
PH 04-M6	4	10.5	M6×1.0p	14.1	20.7	20.2	5.0	4.1	14.8	8	2.5	9.0	50
PH 04-01	4	10.5	R 1/8	14.9	25.5	23.3	7.0	8.0	15.3	11	3.0	15.0	50
PH 04-02	4	10.5	R 1/4	17.4	28.8	25.3	9.0	10.0	15.3	15	3.0	27.0	50
PH 06-M5	6	12.5	M5×0.8p	11.4	18.2	22.7	5.0	3.6	16.4	8	2.0	9.0	50
PH 06-M6	6	12.5	M6×1.0p	13.0	20.7	22.7	5.0	4.1	16.4	8	3.0	10.0	50
PH 06-01	6	12.5	R 1/8	14.9	25.5	24.2	7.0	8.0	16.4	11	4.5	16.0	50
PH 06-02	6	12.5	R 1/4	17.4	28.8	26.2	9.0	10.0	16.4	15	5.0	27.0	50
PH 06-03	6	12.5	R 3/8	19.9	32.7	27.7	11.0	11.0	16.4	19	5.0	48.0	25
PH 06-04	6	12.5	R 1/2	24.0	38.7	30.7	14.0	14.0	16.4	24	5.0	74.0	25
PH 08-01	8	14.8	R 1/8	16.0	25.5	25.9	7.0	8.0	18.3	11	5.0	17.0	50
PH 08-02	8	14.8	R 1/4	18.2	28.8	27.9	9.0	10.0	18.3	15	6.6	28.0	50
PH 08-03	8	14.8	R 3/8	19.9	32.7	28.9	11.0	11.0	18.3	19	6.0	50.0	25
PH 08-04	8	14.8	R 1/2	24.0	38.7	31.8	14.0	14.0	18.3	24	6.5	77.0	25
PH 10-01	10	17.5	R 1/8	17.5	25.5	28.1	7.0	8.0	19.7	11	5.0	17.0	25
PH 10-02	10	17.5	R 1/4	19.7	28.8	29.9	9.0	10.0	19.7	15	6.4	32.0	25
PH 10-03	10	17.5	R 3/8	21.2	32.7	31.0	11.2	11.0	19.7	19	8.2	51.0	25
PH 10-04	10	17.5	R 1/2	24.0	38.7	33.4	14.0	14.0	19.7	24	8.0	78.0	20
PH 12-02	12	20.5	R 1/4	21.2	28.8	33.3	9.0	10.0	22.4	15	7.0	35.0	25
PH 12-03	12	20.5	R 3/8	22.0	32.7	33.7	11.5	11.0	21.9	19	9.6	53.0	25
PH 12-04	12	20.5	R 1/2	25.5	38.7	36.1	14.0	14.0	21.9	24	9.5	82.0	20

Inch-NPT



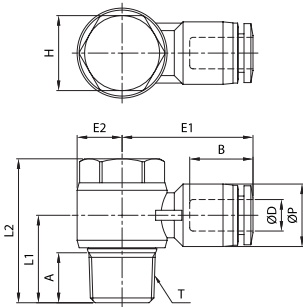
MODEL	ØD	ØP	T	L1	L2	E1	E2	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PH 1/8-U	1/8	7.8	UNF 10/32	9.6	18.2	16.5	5.0	3.6	11.3	5/16	2.0	7.0	100
PH 5/32-U	5/32	10.5	UNF 10/32	10.3	18.2	20.2	5.0	3.6	14.8	5/16	2.0	7.8	100
PH 5/32-N1	5/32	10.5	NPT 1/8	15.4	26.0	23.5	7.1	8.5	15.3	7/16	3.0	23.8	50
PH 5/32-N2	5/32	10.5	NPT 1/4	17.9	29.3	25.4	9.1	10.5	15.3	5/16	3.0	29.8	50
PH 3/16-U	3/16	11.5	UNF 10/32	10.4	18.2	21.6	5.0	3.6	15.8	5/16	2.0	7.7	50
PH 3/16-N1	3/16	11.5	NPT 1/8	15.4	26.0	24.3	7.1	8.5	15.8	7/16	3.5	23.7	50
PH 3/16-N2	3/16	11.5	NPT 1/4	17.9	29.3	26.2	9.1	10.5	15.8	19/32	3.5	29.7	50
PH 3/16-N3	3/16	11.5	NPT 3/8	20.3	33.1	27.8	11.3	11.5	15.8	3/4	3.5	37.7	50
PH 1/4-U	1/4	13.0	UNF 10/32	10.6	18.2	23.7	5.0	3.6	16.8	5/16	2.0	8.7	50
PH 1/4-N1	1/4	13.0	NPT 1/8	15.5	26.0	24.9	7.1	8.5	16.8	7/16	4.5	23.7	50
PH 1/4-N2	1/4	13.0	NPT 1/4	17.9	29.3	26.8	9.1	10.5	16.8	19/32	4.5	35.7	50
PH 1/4-N3	1/4	13.0	NPT 3/8	20.3	33.1	28.4	11.3	11.5	16.8	3/4	4.5	44.7	25
PH 5/16-N1	5/16	14.5	NPT 1/8	16.5	26.0	26.2	7.1	8.5	18.4	7/16	5.0	34.7	50
PH 5/16-N2	5/16	14.5	NPT 1/4	18.7	29.3	28.1	9.1	10.5	18.4	19/32	6.5	36.7	50
PH 5/16-N3	5/16	14.5	NPT 3/8	20.3	33.1	29.2	11.3	11.5	18.4	3/4	6.0	59.7	25
PH 5/16-N4	5/16	14.5	NPT 1/2	24.5	39.2	32.0	14.0	14.5	18.4	15/16	6.5	96.7	25
PH 3/8-N2	3/8	17.5	NPT 1/4	20.2	29.3	31.0	9.1	10.5	19.6	19/32	6.3	59.2	25
PH 3/8-N3	3/8	17.5	NPT 3/8	21.0	33.1	30.8	11.3	11.5	19.6	3/4	6.5	89.2	25
PH 3/8-N4	3/8	17.5	NPT 1/2	24.5	39.2	33.3	14.0	14.5	19.6	15/16	7.0	99.2	25
PH 1/2-N2	1/2	20.8	NPT 1/4	21.9	29.3	34.4	9.1	10.5	22.6	19/32	6.6	62.0	25
PH 1/2-N3	1/2	20.8	NPT 3/8	22.5	33.1	34.0	11.3	11.5	22.0	3/4	8.3	65.0	25
PH 1/2-N4	1/2	20.8	NPT 1/2	25.7	39.2	36.5	14.0	14.5	22.1	15/16	9.2	109.0	20

PH-G
Metric-BSPP(G)



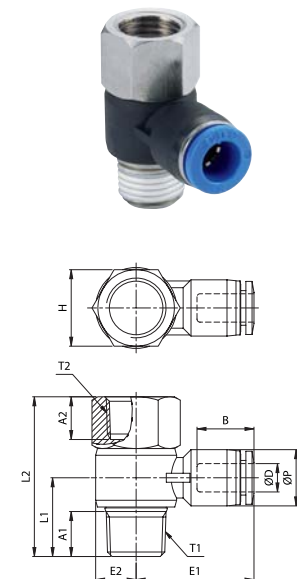
MODEL	ØD	ØP	T	L1	L2	E1	E2	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PH 04-G01	4	10.5	G 1/8	14.3	24.7	23.3	7.0	5.0	15.3	8	3.0	15.0	50
PH 04-G02	4	10.5	G 1/4	16.1	28.3	25.3	9.0	6.5	15.3	12	3.0	25.0	50
PH 06-G01	6	12.5	G 1/8	14.3	24.7	24.2	7.0	5.0	16.4	8	4.5	16.0	50
PH 06-G02	6	12.5	G 1/4	16.1	28.3	26.2	9.0	6.5	16.4	12	5.0	26.0	50
PH 06-G03	6	12.5	G 3/8	19.9	33.0	27.7	11.0	6.5	16.4	14	5.0	50.0	25
PH 08-G01	8	14.5	G 1/8	13.2	24.7	25.9	7.0	5.0	18.3	8	5.0	17.0	50
PH 08-G02	8	14.5	G 1/4	15.4	28.3	27.9	9.0	6.5	18.3	12	6.6	26.0	50
PH 08-G03	8	14.5	G 3/8	19.9	33.0	28.9	11.0	6.5	18.3	14	6.0	50.0	25
PH 08-G04	8	14.5	G 1/2	22.2	37.7	31.8	14.0	8.0	18.3	19	6.5	70.0	25
PH 10-G02	10	17.5	G 1/4	14.9	28.3	29.9	9.0	6.5	19.7	12	6.4	28.0	25
PH 10-G03	10	17.5	G 3/8	18.6	33.0	31.0	11.0	6.5	19.7	14	8.2	50.0	25
PH 10-G04	10	17.5	G 1/2	22.2	37.7	33.4	14.0	8.0	19.7	19	8.0	73.0	20
PH 12-G03	12	20.5	G 3/8	17.8	33.0	33.7	11.0	6.5	21.9	14	9.6	53.0	25
PH 12-G04	12	20.5	G 1/2	20.7	37.7	36.1	14.0	8.0	21.9	19	9.5	78.0	20

Inch-BSPT(R)



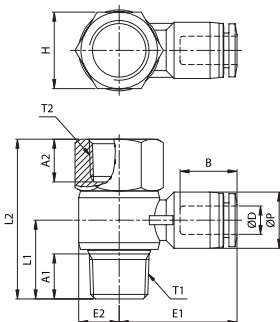
MODEL	ØD	ØP	T	L1	L2	E1	E2	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PH 1/4-M5	1/4	13.0	M5×0.8p	10.6	18.2	23.7	5.0	3.6	16.8	8	2.0	8.7	50
PH 1/4-01	1/4	13.0	R 1/8	15.0	25.5	24.9	7.1	8.0	16.8	11	4.5	23.7	50
PH 1/4-02	1/4	13.0	R 1/4	17.4	28.8	26.8	9.1	10.0	18.4	15	4.5	35.7	50
PH 5/16-01	5/16	14.5	R 1/8	16.0	25.5	26.0	7.0	8.0	18.4	11	5.0	34.7	50
PH 5/16-02	5/16	14.5	R 1/4	18.2	28.8	28.0	9.0	10.0	18.4	15	6.5	36.7	50
PH 5/16-03	5/16	14.5	R 3/8	19.9	32.7	29.0	11.0	11.0	19.6	19	6.0	59.7	25
PH 3/8-02	3/8	17.5	R 1/4	19.7	28.8	31.0	9.1	10.0	19.6	15	6.3	59.2	25
PH 3/8-03	3/8	17.5	R 3/8	20.6	32.7	30.8	11.3	11.0	19.6	19	6.5	89.2	25

PHF
Metric-BSPT(R)



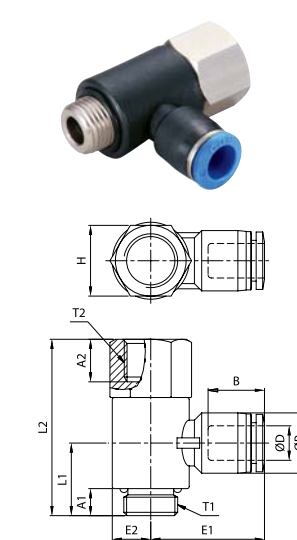
MODEL	ØD	ØP	T1	T2	L1	L2	E1	E2	A1	A2	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHF 03-M5	3	7.8	M5×0.8p	M5×0.8p	9.6	20.0	16.6	5.0	3.6	6.0	11.3	8	2.0	7.0	100
PHF 04-M5	4	10.5	M5×0.8p	M5×0.8p	10.3	20.0	20.2	5.0	3.6	6.0	14.8	8	2.0	7.0	50
PHF 04-M6	4	10.5	M6×1.0p	M6×1.0p	12.0	25.0	23.3	7.0	4.1	8.0	14.8	11	2.5	16.0	50
PHF 04-01	4	10.5	R 1/8	Rc 1/8	14.9	30.7	23.3	7.0	8.0	9.0	15.3	14	3.0	20.0	50
PHF 04-02	4	10.5	R 1/4	Rc 1/4	17.4	35.5	25.3	9.0	10.0	11.0	15.3	17	3.0	31.0	50
PHF 06-M5	6	12.5	M5×0.8p	M5×0.8p	11.4	20.0	22.7	5.0	3.6	6.0	16.4	8	2.0	9.0	50
PHF 06-M6	6	12.5	M6×1.0p	M6×1.0p	12.0	25.0	24.2	7.0	4.1	8.0	16.4	11	3.0	16.0	50
PHF 06-01	6	12.5	R 1/8	Rc 1/8	14.9	30.7	24.2	7.0	8.0	9.0	16.4	14	4.5	20.0	50
PHF 06-02	6	12.5	R 1/4	Rc 1/4	17.4	35.5	26.2	9.0	10.0	11.0	16.4	17	5.0	32.0	50
PHF 06-03	6	12.5	R 3/8	Rc 3/8	19.9	41.2	27.7	11.0	11.0	13.0	16.4	21	5.0	55.0	25
PHF 06-04	6	12.5	R 1/2	Rc 1/2	24.0	49.5	30.7	14.0	14.0	15.0	16.4	24	5.0	65.0	25
PHF 08-01	8	14.8	R 1/8	Rc 1/8	16.0	30.7	25.9	7.0	8.0	9.0	18.3	14	5.0	22.0	50
PHF 08-02	8	14.8	R 1/4	Rc 1/4	18.2	35.5	27.9	9.0	10.0	11.0	18.3	17	6.6	32.0	50
PHF 08-03	8	14.8	R 3/8	Rc 3/8	19.9	41.2	28.9	11.0	11.0	13.0	18.3	21	6.0	56.0	25
PHF 08-04	8	14.8	R 1/2	Rc 1/2	24.0	49.5	31.8	14.0	14.0	15.0	18.3	24	6.5	85.0	20
PHF 10-01	10	17.5	R 1/8	Rc 1/8	17.5	30.7	28.1	7.0	8.0	9.0	19.7	14	5.0	30.0	25
PHF 10-02	10	17.5	R 1/4	Rc 1/4	19.7	35.5	29.9	9.0	10.0	11.0	19.7	17	6.4	34.0	25
PHF 10-03	10	17.5	R 3/8	Rc 3/8	21.2	41.2	31.0	11.2	11.0	13.0	19.7	21	8.2	58.0	25
PHF 10-04	10	17.5	R 1/2	Rc 1/2	24.0	49.5	33.4	14.0	14.0	15.0	19.7	24	8.0	86.0	20
PHF 12-02	12	20.5	R 1/4	Rc 1/4	21.2	35.5	33.3	9.0	10.0	11.0	22.4	17	7.0	55.0	25
PHF 12-03	12	20.5	R 3/8	Rc 3/8	22.0	41.2	33.7	11.5	11.0	13.0	21.9	21	9.6	62.0	25
PHF 12-04	12	20.5	R 1/2	Rc 1/2	25.5	49.5	36.1	14.0	14.0	15.0	21.9	24	9.5	90.0	20

Inch-NPT



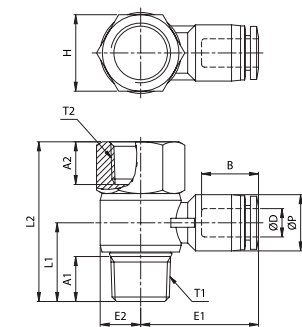
MODEL	ØD	ØP	T1	T2	L1	L2	E1	E2	A1	A2	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHF 1/8-U	1/8	7.8	UNF 10/32	UNF 10/32	10.3	20.0	16.5	5.0	3.6	6.0	11.3	5/16	2.0	7.0	100
PHF 5/32-U	5/32	10.5	UNF 10/32	UNF 10/32	10.3	20.0	20.2	5.0	3.6	6.0	14.8	5/16	2.0	7.8	100
PHF 5/32-N1	5/32	10.5	NPT 1/8	NPT 1/8	15.4	30.9	23.5	7.1	8.5	9.0	15.3	9/16	3.0	18.8	50
PHF 3/16-U	3/16	11.5	UNF 10/32	UNF 10/32	10.4	20.0	21.6	5.0	3.6	6.0	15.8	5/16	2.0	7.7	50
PHF 3/16-N1	3/16	11.5	NPT 1/8	NPT 1/8	15.4	30.9	24.3	7.1	8.5	9.0	15.8	9/16	3.5	18.7	50
PHF 3/16-N2	3/16	11.5	NPT 1/4	NPT 1/4	17.9	35.8	26.2	9.1	10.5	11.0	15.8	11/16	3.5	31.7	50
PHF 3/16-N3	3/16	11.5	NPT 3/8	NPT 3/8	20.3	41.0	27.8	11.3	11.5	13.0	15.8	7/8	3.5	39.7	50
PHF 1/4-U	1/4	13.0	UNF 10/32	UNF 10/32	10.6	20.0	23.7	5.0	3.6	6.0	16.8	5/16	2.0	8.7	50
PHF 1/4-N1	1/4	13.0	NPT 1/8	NPT 1/8	15.5	30.9	24.9	7.1	8.5	9.0	16.8	9/16	4.5	19.7	50
PHF 1/4-N2	1/4	13.0	NPT 1/4	NPT 1/4	17.9	35.8	26.8	9.1	10.5	11.0	16.8	11/16	4.5	33.7	50
PHF 1/4-N3	1/4	13.0	NPT 3/8	NPT 3/8	20.3	41.0	28.4	11.3	11.5	13.0	16.8	7/8	4.5	46.7	50
PHF 5/16-N1	5/16	14.5	NPT 1/8	NPT 1/8	16.5	30.9	26.2	7.1	8.5	9.0	18.4	9/16	5.0	21.7	50
PHF 5/16-N2	5/16	14.5	NPT 1/4	NPT 1/4	18.7	35.8	28.1	9.1	10.5	11.0	18.4	11/16	6.5	34.7	50
PHF 5/16-N3	5/16	14.5	NPT 3/8	NPT 3/8	20.3	41.0	29.2	11.3	11.5	13.0	18.4	7/8	6.0	59.7	50
PHF 5/16-N4	5/16	14.5	NPT 1/2	NPT 1/2	24.5	50.0	32.0	14.0	14.5	16.0	18.4	1"	6.5	95.7	20
PHF 3/8-N2	3/8	17.5	NPT 1/4	NPT 1/4	20.2	35.8	31.0	9.1	10.5	11.0	19.6	11/16	6.3	39.2	25
PHF 3/8-N3	3/8	17.5	NPT 3/8	NPT 3/8	21.0	41.0	30.8	11.3	11.5	13.0	19.6	7/8	6.5	64.2	25
PHF 3/8-N4	3/8	17.5	NPT 1/2	NPT 1/2	24.5	50.0	33.3	14.0	14.5	16.0	19.6	1"	7.0	97.2	20
PHF 1/2-N2	1/2	20.8	NPT 1/4	NPT 1/4	21.9	35.8	34.4	9.1	10.5	11.0	22.6	11/16	6.6	42.0	20
PHF 1/2-N3	1/2	20.8	NPT 3/8	NPT 3/8	22.5	41.0	34.0	11.3	11.5	13.0	22.0	7/8	8.3	67.0	20
PHF 1/2-N4	1/2	20.8	NPT 1/2	NPT 1/2	25.7	50.0	36.5	14.0	14.5	16.0	22.1	1"	9.2	99.0	15

PHF-G
Metric-BSPP(G)



MODEL	ØD	ØP	T1	T2	L1	L2	E1	E2	A1	A2	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHF 04-G01	4	10.5	G 1/8	G 1/8	14.0	33.9	23.3	7.7	5.0	9.0	14.8	14	3.2	22.0	50
PHF 04-G02	4	10.5	G 1/4	G 1/4	17.5	42.4	25.1	9.3	6.5	12.0	14.8	17	3.2	39.0	50
PHF 04-G03	4	10.5	G 3/8	G 3/8	17.5	44.4	27.0	11.2	6.5	13.0	14.8	21	3.2	60.0	25
PHF 04-G04	4	10.5	G 1/2	G 1/2	20.0	49.9	29.0	13.4	8.0	16.0	14.8	24	3.2	75.0	25
PHF 06-G01	6	12.5	G 1/8	G 1/8	14.0	33.9	24.1	7.7	5.0	9.0	16.4	14	4.0	22.0	50
PHF 06-G02	6	12.5	G 1/4	G 1/4	17.5	42.4	26.0	9.3	6.5	12.0	16.4	17	5.0	39.0	50
PHF 06-G03	6	12.5	G 3/8	G 3/8	17.5	44.4	27.9	11.2	6.5	13.0	16.4	21	5.0	61.0	25
PHF 06-G04	6	12.5	G 1/2	G 1/2	20.0	49.9	29.3	13.4	8.0	16.0	16.4	24	5.0	76.0	25
PHF 08-G01	8	14.5	G 1/8	G 1/8	14.0	33.9	25.6	7.7	5.0	9.0	18.3	14	5.0	25.0	50
PHF 08-G02	8	14.5	G 1/4	G 1/4	17.5	42.4	27.4	9.3	6.5	12.0	18.3	17	7.0	40.0	50
PHF 08-G03	8	14.5	G 3/8	G 3/8	17.5	44.4	29.3	11.2	6.5	13.0	18.3	21	7.0	62.0	25
PHF 08-G04	8	14.5	G 1/2	G 1/2	20.0	49.9	30.7	13.4	8.0	16.0	18.3	24	7.0	78.0	20
PHF 10-G01	10	17.5	G 1/8	G 1/8	14.0	33.9	28.1	7.7	5.0	9.0	20.2	14	5.0	27.0	25
PHF 10-G02	10	17.5	G 1/4	G 1/4	17.5	42.4	29.8	9.3	6.5	12.0	20.2	17	8.0	44.0	25
PHF 10-G03	10	17.5	G 3/8	G 3/8	17.5	44.4	31.9	11.2	6.5	13.0	20.2	21	8.0	64.0	25
PHF 10-G04	10	17.5	G 1/2	G 1/2	20.0	49.9	33.7	13.4	8.0	16.0	20.2	24	8.0	80.0	20
PHF 12-G02	12	20.5	G 1/4	G 1/4	17.5	42.4	33.0	9.3	6.5	12.0	22.9	17	8.0	44.0	25
PHF 12-G03	12	20.5	G 3/8	G 3/8	17.5	44.4	35.1	11.2	6.5	13.0	22.9	21	8.0	68.0	25
PHF 12-G04	12	20.5	G 1/2	G 1/2	20.0	49.9	37.4	13.4	8.0	16.0	22.9	24	8.0	90.0	20

Inch-BSPT(R)



MODEL	ØD	ØP	T1	T2	L1	L2	E1	E2	A1	A2	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHF 1/4-M5	1/4	13.0	M5×0.8p	M5×0.8p	10.6	20.0	23.7	5.0	3.6	6.0	16.8	8	2.0	8.7	50
PHF 1/4-01	1/4	13.0	R 1/8	Rc 1/8	15.0	30.7	24.9	7.1	8.0	9.0	16.8	14	4.5	19.7	50
PHF 1/4-02	1/4	13.0	R 1/4	Rc 1/4	17.4	35.5	26.8	9.1	10.0	11.0	16.8	17	4.5	33.7	50
PHF 5/16-01	5/16	14.5	R 1/8	Rc 1/8	16.0	30.7	26.0	7.0	8.0	9.0	18.4	14	5.0	21.7	50
PHF 5/16-02	5/16	14.5	R 1/4	Rc 1/4	18.2	35.5	28.0	9.0	10.0	11.0	18.4	17	6.5	34.7	50
PHF 5/16-03	5/16	14.5	R 3/8	Rc 3/8	19.9	41.2	29.0	11.0	11.0	13.0	18.4	21	6.0	59.7	25
PHF 3/8-02	3/8	17.5	R 1/4	Rc 1/4	19.7	35.5	31.0	9.1	10.0	11.0	19.6	17	6.3	39.2	25
PHF 3/8-03	3/8	17.5	R 3/8	Rc 3/8	20.6	41.2	30.8	11.3	11.0	13.0	19.6	21	6.5	64.2	25

ONE-TOUCH FITTINGS

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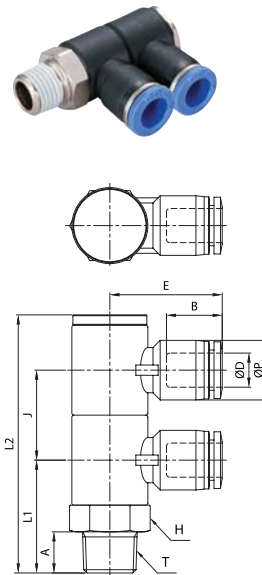
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One -Touch Fittings

PHL (2)

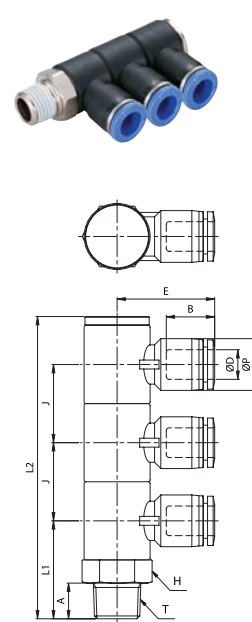
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	E	A	B	J	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHL 04-01(2)	4	10.5	R 1/8	22.5	51.8	23.3	8.0	14.8	17.9	14	3.2	37.0	25
PHL 04-02(2)	4	10.5	R 1/4	27.5	62.8	25.1	10.0	14.8	21.9	17	3.2	59.0	25
PHL 04-03(2)	4	10.5	R 3/8	29.0	64.8	27.0	11.0	14.8	21.9	21	3.2	92.0	25
PHL 04-04(2)	4	10.5	R 1/2	34.1	73.4	29.0	14.0	14.8	23.9	24	3.2	135.0	20
PHL 06-01(2)	6	12.5	R 1/8	22.5	51.8	24.1	8.0	16.4	17.9	14	4.0	38.0	25
PHL 06-02(2)	6	12.5	R 1/4	27.5	62.8	26.0	10.0	16.4	21.9	17	5.0	61.0	25
PHL 06-03(2)	6	12.5	R 3/8	29.0	64.8	27.9	11.0	16.4	21.9	21	5.0	93.0	25
PHL 06-04(2)	6	12.5	R 1/2	34.1	73.4	29.3	14.0	16.4	23.9	24	5.0	137.0	20
PHL 08-01(2)	8	14.5	R 1/8	22.5	51.8	25.6	8.0	18.3	17.9	14	5.0	40.0	25
PHL 08-02(2)	8	14.5	R 1/4	27.5	62.8	27.4	10.0	18.3	21.9	17	7.0	62.0	25
PHL 08-03(2)	8	14.5	R 3/8	29.0	64.8	29.3	11.0	18.3	21.9	21	7.0	94.0	20
PHL 08-04(2)	8	14.5	R 1/2	34.1	73.4	30.7	14.0	18.3	23.9	24	7.0	138.0	12
PHL 10-01(2)	10	17.5	R 1/8	22.5	51.8	28.1	8.0	20.2	17.9	14	5.0	44.0	25
PHL 10-02(2)	10	17.5	R 1/4	27.5	62.8	29.8	10.0	20.2	21.9	17	8.0	66.0	25
PHL 10-03(2)	10	17.5	R 3/8	29.0	64.8	31.9	11.0	20.2	21.9	21	8.0	99.0	20
PHL 10-04(2)	10	17.5	R 1/2	34.1	73.4	33.7	14.0	20.2	23.9	24	8.0	142.0	12
PHL 12-02(2)	12	20.5	R 1/4	27.5	62.8	33.0	10.0	22.9	21.9	17	8.0	72.0	9
PHL 12-03(2)	12	20.5	R 3/8	29.0	64.8	35.1	11.0	22.9	21.9	21	8.0	105.0	9
PHL 12-04(2)	12	20.5	R 1/2	34.1	73.4	37.4	14.0	22.9	23.9	24	8.0	149.0	9

PHL (3)

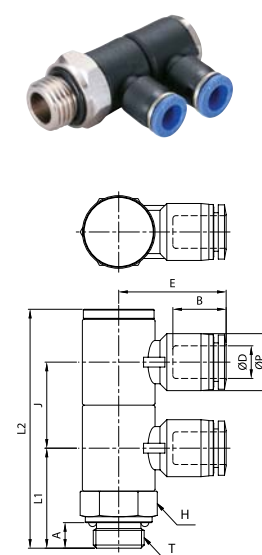
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	E	A	B	J	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHL 04-01(3)	4	10.5	R 1/8	22.5	69.7	23.3	8.0	14.8	17.9	14	3.2	48.0	25
PHL 04-02(3)	4	10.5	R 1/4	27.5	84.7	25.1	10.0	14.8	21.9	17	3.2	76.0	25
PHL 04-03(3)	4	10.5	R 3/8	29.0	86.7	27.0	11.0	14.8	21.9	21	3.2	117.0	25
PHL 04-04(3)	4	10.5	R 1/2	34.1	97.3	29.0	14.0	14.8	23.9	24	3.2	174.0	12
PHL 06-01(3)	6	12.5	R 1/8	22.5	69.7	24.1	8.0	16.4	17.9	14	4.0	50.0	25
PHL 06-02(3)	6	12.5	R 1/4	27.5	84.7	26.0	10.0	16.4	21.9	17	5.0	79.0	25
PHL 06-03(3)	6	12.5	R 3/8	29.0	86.7	27.9	11.0	16.4	21.9	21	5.0	115.0	20
PHL 06-04(3)	6	12.5	R 1/2	34.1	97.3	29.3	14.0	16.4	23.9	24	5.0	176.0	12
PHL 08-01(3)	8	14.5	R 1/8	22.5	69.7	25.6	8.0	18.3	17.9	14	5.0	53.0	25
PHL 08-02(3)	8	14.5	R 1/4	27.5	84.7	27.4	10.0	18.3	21.9	17	7.0	86.0	15
PHL 08-03(3)	8	14.5	R 3/8	29.0	86.7	29.3	11.0	18.3	21.9	21	7.0	121.0	15
PHL 08-04(3)	8	14.5	R 1/2	34.1	97.3	30.7	14.0	18.3	23.9	24	7.0	177.0	12
PHL 10-01(3)	10	17.5	R 1/8	22.5	69.7	28.1	8.0	20.2	17.9	14	5.0	59.0	12
PHL 10-02(3)	10	17.5	R 1/4	27.5	84.7	29.8	10.0	20.2	21.9	17	8.0	87.0	12
PHL 10-03(3)	10	17.5	R 3/8	29.0	86.7	31.9	11.0	20.2	21.9	21	8.0	128.0	12
PHL 10-04(3)	10	17.5	R 1/2	34.1	97.3	33.7	14.0	20.2	23.9	24	8.0	184.0	12
PHL 12-02(3)	12	20.5	R 1/4	27.5	84.7	33.0	10.0	22.9	21.9	17	8.0	98.0	8
PHL 12-03(3)	12	20.5	R 3/8	29.0	86.7	35.1	11.0	22.9	21.9	21	8.0	137.0	8
PHL 12-04(3)	12	20.5	R 1/2	34.1	97.3	37.4	14.0	22.9	23.9	24	8.0	194.0	8

PHL(2)-G

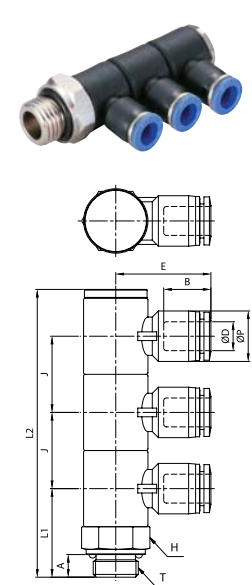
Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2	E	A	B	J	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHL 04-G01(2)	4	10.5	G 1/8	20.5	49.8	23.3	5.0	14.8	17.9	14	3.2	37.0	25
PHL 04-G02(2)	4	10.5	G 1/4	25.5	60.8	25.1	6.5	14.8	21.9	17	3.2	59.0	25
PHL 04-G03(2)	4	10.5	G 3/8	26.0	61.8	27.0	6.5	14.8	21.9	21	3.2	92.0	25
PHL 04-G04(2)	4	10.5	G 1/2	29.6	68.9	29.0	8.0	14.8	23.9	24	3.2	135.0	20
PHL 06-G01(2)	6	12.5	G 1/8	20.5	49.8	24.1	5.0	16.4	17.9	14	4.0	38.0	25
PHL 06-G02(2)	6	12.5	G 1/4	25.5	60.8	26.0	6.5	16.4	21.9	17	5.0	61.0	25
PHL 06-G03(2)	6	12.5	G 3/8	26.0	61.8	27.9	6.5	16.4	21.9	21	5.0	93.0	25
PHL 06-G04(2)	6	12.5	G 1/2	29.6	68.9	29.3	8.0	16.4	23.9	24	5.0	137.0	20
PHL 08-G01(2)	8	14.5	G 1/8	20.5	49.8	25.6	5.0	18.3	17.9	14	5.0	40.0	25
PHL 08-G02(2)	8	14.5	G 1/4	25.5	60.8	27.4	6.5	18.3	21.9	17	7.0	62.0	25
PHL 08-G03(2)	8	14.5	G 3/8	26.0	61.8	29.3	6.5	18.3	21.9	21	7.0	94.0	20
PHL 08-G04(2)	8	14.5	G 1/2	29.6	68.9	30.7	8.0	18.3	23.9	24	7.0	138.0	12
PHL 10-G01(2)	10	17.5	G 1/8	20.5	49.8	28.1	5.0	20.2	17.9	14	5.0	44.0	25
PHL 10-G02(2)	10	17.5	G 1/4	25.5	60.8	29.8	6.5	20.2	21.9	17	8.0	66.0	25
PHL 10-G03(2)	10	17.5	G 3/8	26.0	61.8	31.9	6.5	20.2	21.9	21	8.0	99.0	20
PHL 10-G04(2)	10	17.5	G 1/2	29.6	68.9	33.7	8.0	20.2	23.9	24	8.0	142.0	12
PHL 12-G02(2)	12	20.5	G 1/4	25.5	60.8	33.0	6.5	22.9	21.9	17	8.0	72.0	9
PHL 12-G03(2)	12	20.5	G 3/8	26.0	61.8	35.1	6.5	22.9	21.9	21	8.0	105.0	9
PHL 12-G04(2)	12	20.5	G 1/2	29.6	68.9	37.4	8.0	22.9	23.9	24	8.0	149.0	9

PHL(3)-G

Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2	E	A	B	J	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHL 04-G01(3)	4	10.5	G 1/8	20.5	67.7	23.3	5.0	14.8	17.9	14	3.2	48.0	25
PHL 04-G02(3)	4	10.5	G 1/4	25.5	82.7	25.1	6.5	14.8	21.9	17	3.2	76.0	25
PHL 04-G03(3)	4	10.5	G 3/8	26.0	83.7	27.0	6.5	14.8	21.9	21	3.2	117.0	25
PHL 04-G04(3)	4	10.5	G 1/2	29.6	92.8	29.0	8.0	14.8	23.9	24	3.2	174.0	12
PHL 06-G01(3)	6	12.5	G 1/8	20.5	67.7	24.1	5.0	16.4	17.9	14	4.0	50.0	25
PHL 06-G02(3)	6	12.5	G 1/4	25.5	82.7	26.0	6.5	16.4	21.9	17	5.0	79.0	25
PHL 06-G03(3)	6	12.5	G 3/8	26.0	83.7	27.9	6.5	16.4	21.9	21	5.0	115.0	20
PHL 06-G04(3)	6	12.5	G 1/2	29.6	92.8	29.3	8.0	16.4	23.9	24	5.0	176.0	12
PHL 08-G01(3)	8	14.5	G 1/8	20.5	67.7	25.6	5.0	18.3	17.9	14	5.0	53.0	25
PHL 08-G02(3)	8	14.5	G 1/4	25.5	82.7	27.4	6.5	18.3	21.9	17	7.0	86.0	15
PHL 08-G03(3)	8	14.5	G 3/8	26.0	83.7	29.3	6.5	18.3	21.9	21	7.0	121.0	15
PHL 08-G04(3)	8	14.5	G 1/2	29.6	92.8	30.7	8.0	18.3	23.9	24	7.0	177.0	12
PHL 10-G01(3)	10	17.5	G 1/8	20.5	67.7	28.1	5.0	20.2	17.9	14	5.0	59.0	12
PHL 10-G02(3)	10	17.5	G 1/4	25.5	82.7	29.8	6.5	20.2	21.9	17	8.0	87.0	12
PHL 10-G03(3)	10	17.5	G 3/8	26.0	83.7	31.9	6.5	20.2	21.9	21	8.0	128.0	12
PHL 10-G04(3)	10	17.5	G 1/2	29.6	92.8	33.7	8.0	20.2	23.9	24	8.0	184.0	12
PHL 12-G02(3)	12	20.5	G 1/4	25.5	82.7	33.0	6.5	22.9	21.9	17	8.0	98.0	8
PHL 12-G03(3)	12	20.5	G 3/8	26.0	83.7	35.1	6.5	22.9	21.9	21	8.0	137.0	8
PHL 12-G04(3)	12	20.5	G 1/2	29.6	92.8	37.4	8.0	22.9	23.9	24	8.0	194.0	8

ONE-TOUCH FITTINGS

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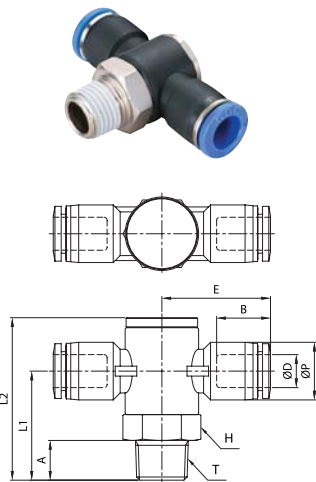
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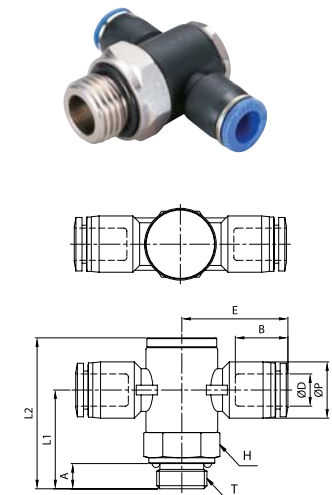
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHT 04-01(1)	4	10.5	R 1/8	22.5	33.9	23.3	8.0	14.8	14	3.2	31.0	25
PHT 04-02(1)	4	10.5	R 1/4	27.5	40.9	25.1	10.0	14.8	17	3.2	47.0	25
PHT 04-03(1)	4	10.5	R 3/8	29.0	42.9	27.0	11.0	14.8	21	3.2	71.0	25
PHT 04-04(1)	4	10.5	R 1/2	34.1	49.6	29.0	14.0	14.8	24	3.2	105.0	20
PHT 06-01(1)	6	12.5	R 1/8	22.5	33.9	24.1	8.0	16.4	14	4.0	32.0	25
PHT 06-02(1)	6	12.5	R 1/4	27.5	40.9	26.0	10.0	16.4	17	5.0	48.0	25
PHT 06-03(1)	6	12.5	R 3/8	29.0	42.9	27.9	11.0	16.4	21	5.0	73.0	25
PHT 06-04(1)	6	12.5	R 1/2	34.1	49.6	29.3	14.0	16.4	24	5.0	106.0	20
PHT 08-01(1)	8	14.5	R 1/8	22.5	33.9	25.6	8.0	18.3	14	5.0	34.0	25
PHT 08-02(1)	8	14.5	R 1/4	27.5	40.9	27.4	10.0	18.3	17	7.0	50.0	25
PHT 08-03(1)	8	14.5	R 3/8	29.0	42.9	29.3	11.0	18.3	21	7.0	74.0	25
PHT 08-04(1)	8	14.5	R 1/2	34.1	49.6	30.7	14.0	18.3	24	7.0	108.0	20
PHT 10-01(1)	10	17.5	R 1/8	22.5	33.9	28.1	8.0	20.2	14	5.0	38.0	25
PHT 10-02(1)	10	17.5	R 1/4	27.5	40.9	29.8	10.0	20.2	17	8.0	54.0	25
PHT 10-03(1)	10	17.5	R 3/8	29.0	42.9	31.9	11.0	20.2	21	8.0	78.0	25
PHT 10-04(1)	10	17.5	R 1/2	34.1	49.6	33.7	14.0	20.2	24	8.0	111.0	20
PHT 12-02(1)	12	20.5	R 1/4	27.5	40.9	33.0	10.0	22.9	17	8.0	61.0	20
PHT 12-03(1)	12	20.5	R 3/8	29.0	42.9	35.1	11.0	22.9	21	8.0	85.0	20
PHT 12-04(1)	12	20.5	R 1/2	34.1	49.6	37.4	14.0	22.9	24	8.0	118.0	15

PHT(1)-G

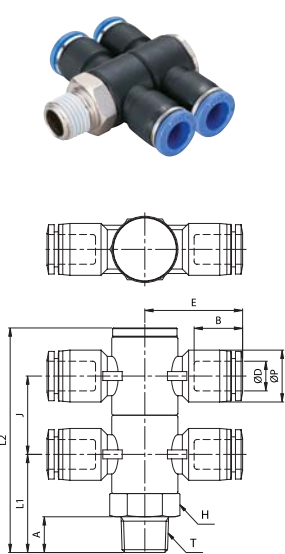
Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2	E	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHT 04-G01(1)	4	10.5	G 1/8	20.5	31.9	23.3	5.0	14.8	14	3.2	30.0	25
PHT 04-G02(1)	4	10.5	G 1/4	25.5	38.9	25.1	6.5	14.8	17	3.2	46.0	25
PHT 04-G03(1)	4	10.5	G 3/8	26.0	39.9	27.0	6.5	14.8	21	3.2	68.0	25
PHT 04-G04(1)	4	10.5	G 1/2	29.6	45.1	29.0	8.0	14.8	24	3.2	98.0	20
PHT 06-G01(1)	6	12.5	G 1/8	20.5	31.9	24.1	5.0	16.4	14	4.0	31.0	25
PHT 06-G02(1)	6	12.5	G 1/4	25.5	38.9	26.0	6.5	16.4	17	5.0	47.0	25
PHT 06-G03(1)	6	12.5	G 3/8	26.0	39.9	27.9	6.5	16.4	21	5.0	70.0	25
PHT 06-G04(1)	6	12.5	G 1/2	29.6	45.1	29.3	8.0	16.4	24	5.0	100.0	20
PHT 08-G01(1)	8	14.5	G 1/8	20.5	31.9	25.6	5.0	18.3	14	5.0	33.0	25
PHT 08-G02(1)	8	14.5	G 1/4	25.5	38.9	27.4	6.5	18.3	17	7.0	48.0	25
PHT 08-G03(1)	8	14.5	G 3/8	26.0	39.9	29.3	6.5	18.3	21	7.0	71.0	25
PHT 08-G04(1)	8	14.5	G 1/2	29.6	45.1	30.7	8.0	18.3	24	7.0	102.0	20
PHT 10-G01(1)	10	17.5	G 1/8	20.5	31.9	28.1	5.0	20.2	14	5.0	37.0	25
PHT 10-G02(1)	10	17.5	G 1/4	25.5	38.9	29.8	6.5	20.2	17	8.0	52.0	25
PHT 10-G03(1)	10	17.5	G 3/8	26.0	39.9	31.9	6.5	20.2	21	8.0	75.0	25
PHT 10-G04(1)	10	17.5	G 1/2	29.6	45.1	33.7	8.0	20.2	24	8.0	105.0	20
PHT 12-G02(1)	12	20.5	G 1/4	25.5	38.9	33.0	6.5	22.9	17	8.0	60.0	20
PHT 12-G03(1)	12	20.5	G 3/8	26.0	39.9	35.1	6.5	22.9	21	8.0	82.0	20
PHT 12-G04(1)	12	20.5	G 1/2	29.6	45.1	37.4	8.0	22.9	24	8.0	112.0	15

PHT(2)

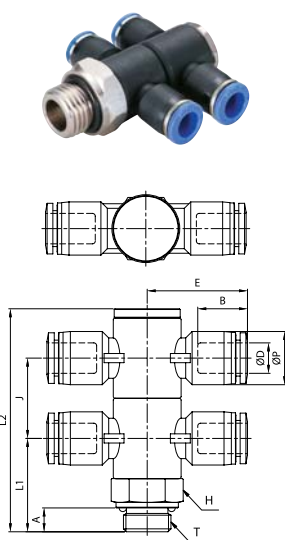
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	E	A	B	J	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHT 04-01(2)	4	10.5	R 1/8	22.5	51.8	23.3	8.0	14.8	17.9	14	3.2	43.0	25
PHT 04-02(2)	4	10.5	R 1/4	27.5	62.8	25.1	10.0	14.8	21.9	17	3.2	66.0	25
PHT 04-03(2)	4	10.5	R 3/8	29.0	64.8	27.0	11.0	14.8	21.9	21	3.2	93.2	12
PHT 04-04(2)	4	10.5	R 1/2	34.1	73.4	29.0	14.0	14.8	23.9	24	3.2	131.2	12
PHT 06-01(2)	6	12.5	R 1/8	22.5	51.8	24.1	8.0	16.4	17.9	14	4.0	41.8	25
PHT 06-02(2)	6	12.5	R 1/4	27.5	62.8	26.0	10.0	16.4	21.9	17	5.0	69.0	20
PHT 06-03(2)	6	12.5	R 3/8	29.0	64.8	27.9	11.0	16.4	21.9	21	5.0	94.8	16
PHT 06-04(2)	6	12.5	R 1/2	34.1	73.4	29.3	14.0	16.4	23.9	24	5.0	135.8	12
PHT 08-01(2)	8	14.5	R 1/8	22.5	51.8	25.6	8.0	18.3	17.9	14	5.0	50.0	20
PHT 08-02(2)	8	14.5	R 1/4	27.5	62.8	27.4	10.0	18.3	21.9	17	7.0	73.0	20
PHT 08-03(2)	8	14.5	R 3/8	29.0	64.8	29.3	11.0	18.3	21.9	21	7.0	96.8	12
PHT 08-04(2)	8	14.5	R 1/2	34.1	73.4	30.7	14.0	18.3	23.9	24	7.0	138.8	12
PHT 10-01(2)	10	17.5	R 1/8	22.5	51.8	28.1	8.0	20.2	17.9	14	5.0	60.0	15
PHT 10-02(2)	10	17.5	R 1/4	27.5	62.8	29.8	10.0	20.2	21.9	17	8.0	69.8	12
PHT 10-03(2)	10	17.5	R 3/8	29.0	64.8	31.9	11.0	20.2	21.9	21	8.0	118.0	9
PHT 10-04(2)	10	17.5	R 1/2	34.1	73.4	33.7	14.0	20.2	23.9	24	8.0	144.8	9
PHT 12-02(2)	12	20.5	R 1/4	27.5	62.8	33.0	10.0	22.9	21.9	17	8.0	99.0	9
PHT 12-03(2)	12	20.5	R 3/8	29.0	64.8	35.1	11.0	22.9	21.9	21	8.0	130.0	9
PHT 12-04(2)	12	20.5	R 1/2	34.1	73.4	37.4	14.0	22.9	23.9	24	8.0	174.0	8

PHT(2)-G

Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2	E	A	B	J	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHT 04-G01(2)	4	10.5	G 1/8	20.5	49.8	23.3	5.0	14.8	17.9	14	3.2	42.0	25
PHT 04-G02(2)	4	10.5	G 1/4	25.5	60.8	25.1	6.5	14.8	21.9	17	3.2	65.0	25
PHT 04-G03(2)	4	10.5	G 3/8	26.0	61.8	27.0	6.5	14.8	21.9	21	3.2	99.0	12
PHT 04-G04(2)	4	10.5	G 1/2	29.6	68.9	29.0	8.0	14.8	23.9	24	3.2	140.0	12
PHT 06-G01(2)	6	12.5	G 1/8	20.5	49.8	24.1	5.0	16.4	17.9	14	4.0	45.0	25
PHT 06-G02(2)	6	12.5	G 1/4	25.5	60.8	26.0	6.5	16.4	21.9	17	5.0	68.0	20
PHT 06-G03(2)	6	12.5	G 3/8	26.0	61.8	27.9	6.5	16.4	21.9	21	5.0	100.0	16
PHT 06-G04(2)	6	12.5	G 1/2	29.6	68.9	29.3	8.0	16.4	23.9	24	5.0	142.0	12
PHT 08-G01(2)	8	14.5	G 1/8	20.5	49.8	25.6	5.0	18.3	17.9	14	5.0	49.0	20
PHT 08-G02(2)	8	14.5	G 1/4	25.5	60.8	27.4	6.5	18.3	21.9	17	7.0	72.0	20
PHT 08-G03(2)	8	14.5	G 3/8	26.0	61.8	29.3	6.5	18.3	21.9	21	7.0	104.0	12
PHT 08-G04(2)	8	14.5	G 1/2	29.6	68.9	30.7	8.0	18.3	23.9	24	7.0	146.0	12
PHT 10-G01(2)	10	17.5	G 1/8	20.5	49.8	28.1	5.0	20.2	17.9	14	5.0	59.0	15
PHT 10-G02(2)	10	17.5	G 1/4	25.5	60.8	29.8	6.5	20.2	21.9	17	8.0	83.0	12
PHT 10-G03(2)	10	17.5	G 3/8	26.0	61.8	31.9	6.5	20.2	21.9	21	8.0	115.0	9
PHT 10-G04(2)	10	17.5	G 1/2	29.6	68.9	33.7	8.0	20.2	23.9	24	8.0	155.0	9
PHT 12-G02(2)	12	20.5	G 1/4	25.5	60.8	33.0	6.5	22.9	21.9	17	8.0	98.0	9
PHT 12-G03(2)	12	20.5	G 3/8	26.0	61.8	35.1	6.5	22.9	21.9	21	8.0	127.0	9
PHT 12-G04(2)	12	20.5	G 1/2	29.6	68.9	37.4	8.0	22.9	23.9	24	8.0	168.0	8

ONE-TOUCH FITTINGS

O

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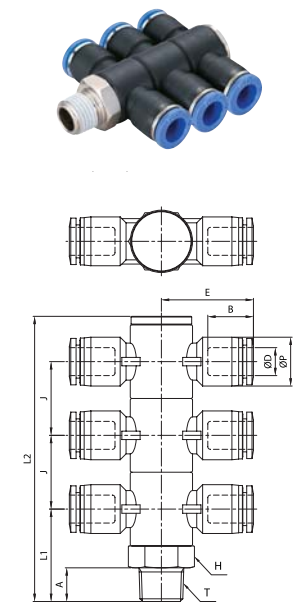
C

T

F

PHT (3)

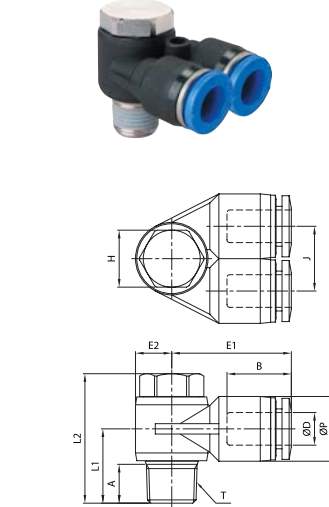
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	E	A	B	J	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHT 04-01(3)	4	10.5	R 1/8	22.5	69.7	23.3	8.0	14.8	17.9	14	3.2	57.0	20
PHT 04-02(3)	4	10.5	R 1/4	27.5	84.7	25.1	10.0	14.8	21.9	17	3.2	86.0	20
PHT 04-03(3)	4	10.5	R 3/8	29.0	86.7	27.0	11.0	14.8	21.9	21	3.2	128.0	12
PHT 04-04(3)	4	10.5	R 1/2	34.1	97.3	29.0	14.0	14.8	23.9	24	3.2	187.0	9
PHT 06-01(3)	6	12.5	R 1/8	22.5	69.7	24.1	8.0	16.4	17.9	14	4.0	62.0	15
PHT 06-02(3)	6	12.5	R 1/4	27.5	84.7	26.0	10.0	16.4	21.9	17	5.0	91.0	15
PHT 06-03(3)	6	12.5	R 3/8	29.0	86.7	27.9	11.0	16.4	21.9	21	5.0	132.0	12
PHT 06-04(3)	6	12.5	R 1/2	34.1	97.3	29.3	14.0	16.4	23.9	24	5.0	191.0	9
PHT 08-01(3)	8	14.5	R 1/8	22.5	69.7	25.6	8.0	18.3	17.9	14	5.0	67.0	15
PHT 08-02(3)	8	14.5	R 1/4	27.5	84.7	27.4	10.0	18.3	21.9	17	7.0	98.0	12
PHT 08-03(3)	8	14.5	R 3/8	29.0	86.7	29.3	11.0	18.3	21.9	21	7.0	136.0	12
PHT 08-04(3)	8	14.5	R 1/2	34.1	97.3	30.7	14.0	18.3	23.9	24	7.0	199.0	8
PHT 10-01(3)	10	17.5	R 1/8	22.5	69.7	28.1	8.0	20.2	17.9	14	5.0	83.0	10
PHT 10-02(3)	10	17.5	R 1/4	27.5	84.7	29.8	10.0	20.2	21.9	17	8.0	112.0	10
PHT 10-03(3)	10	17.5	R 3/8	29.0	86.7	31.9	11.0	20.2	21.9	21	8.0	152.0	8
PHT 10-04(3)	10	17.5	R 1/2	34.1	97.3	33.7	14.0	20.2	23.9	24	8.0	209.0	8
PHT 12-02(3)	12	20.5	R 1/4	27.5	84.7	33.0	10.0	22.9	21.9	17	8.0	133.0	8
PHT 12-03(3)	12	20.5	R 3/8	29.0	86.7	35.1	11.0	22.9	21.9	21	8.0	171.0	8
PHT 12-04(3)	12	20.5	R 1/2	34.1	97.3	37.4	14.0	22.9	23.9	24	8.0	226.0	8

PA

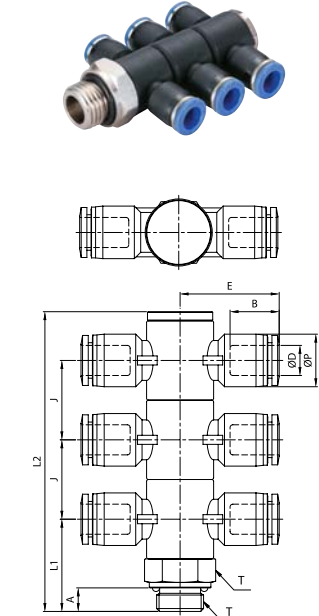
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	J	E1	E2	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PA 04-M5	4	10.3	M5×0.8p	10.3	18.2	10.3	19.4	5.0	3.6	14.8	8	2.0	10.0	50
PA 06-01	6	12.5	R 1/8	14.9	25.5	12.5	23.1	7.0	7.5	16.4	11	3.5	20.0	25
PA 08-02	8	14.8	R 1/4	18.3	28.8	14.8	27.9	9.0	10.0	18.3	15	6.5	30.0	25
PA 10-02	10	17.5	R 1/4	19.7	28.8	17.5	30.9	9.0	10.0	20.2	15	5.1	34.0	25
PA 10-03	10	17.5	R 3/8	20.6	32.7	17.5	30.9	11.3	11.0	20.2	19	7.2	58.0	20
PA 12-03	12	20.5	R 3/8	22.1	32.7	20.5	35.8	11.3	11.0	22.4	19	6.8	61.0	12
PA 12-04	12	20.5	R 1/2	25.2	38.7	20.5	36.3	14.0	14.0	22.4	24	6.8	87.0	12

PHT(3)-G

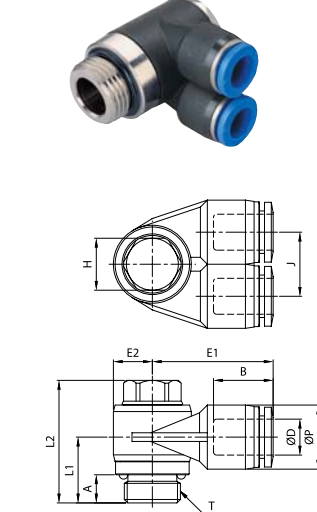
Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2	E	A	B	J	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PHT 04-G01(3)	4	10.5	G 1/8	20.5	67.7	23.3	5.0	14.8	17.9	14	3.2	56.0	20
PHT 04-G02(3)	4	10.5	G 1/4	25.5	82.7	25.1	6.5	14.8	21.9	17	3.2	85.0	20
PHT 04-G03(3)	4	10.5	G 3/8	26.0	83.7	27.0	6.5	14.8	21.9	21	3.2	125.0	12
PHT 04-G04(3)	4	10.5	G 1/2	29.6	92.8	29.0	8.0	14.8	23.9	24	3.2	180.0	9
PHT 06-G01(3)	6	12.5	G 1/8	20.5	67.7	24.1	5.0	16.4	17.9	14	4.0	62.0	15
PHT 06-G02(3)	6	12.5	G 1/4	25.5	82.7	26.0	6.5	16.4	21.9	17	5.0	90.0	15
PHT 06-G03(3)	6	12.5	G 3/8	26.0	83.7	27.9	6.5	16.4	21.9	21	5.0	129.0	12
PHT 06-G04(3)	6	12.5	G 1/2	29.6	92.8	29.3	8.0	16.4	23.9	24	5.0	184.0	9
PHT 08-G01(3)	8	14.5	G 1/8	20.5	67.7	25.6	5.0	18.3	17.9	14	5.0	62.0	15
PHT 08-G02(3)	8	14.5	G 1/4	25.5	82.7	27.4	6.5	18.3	21.9	17	7.0	96.0	12
PHT 08-G03(3)	8	14.5	G 3/8	26.0	83.7	29.3	6.5	18.3	21.9	21	7.0	133.0	12
PHT 08-G04(3)	8	14.5	G 1/2	29.6	92.8	30.7	8.0	18.3	23.9	24	7.0	192.0	8
PHT 10-G01(3)	10	17.5	G 1/8	20.5	67.7	28.1	5.0	20.2	17.9	14	5.0	82.0	10
PHT 10-G02(3)	10	17.5	G 1/4	25.5	82.7	29.8	6.5	20.2	21.9	17	8.0	110.0	10
PHT 10-G03(3)	10	17.5	G 3/8	26.0	83.7	31.9	6.5	20.2	21.9	21	8.0	149.0	8
PHT 10-G04(3)	10	17.5	G 1/2	29.6	92.8	33.7	8.0	20.2	23.9	24	8.0	201.0	8
PHT 12-G02(3)	12	20.5	G 1/4	25.5	82.7	33.0	6.5	22.9	21.9	17	8.0	131.0	8
PHT 12-G03(3)	12	20.5	G 3/8	26.0	83.7	35.1	6.5	22.9	21.9	21	8.0	168.0	8
PHT 12-G04(3)	12	20.5	G 1/2	29.6	92.8	37.4	8.0	22.9	23.9	24	8.0	219.0	8

PA-G

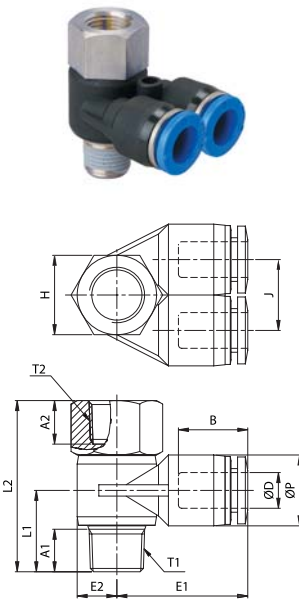
Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2	J	E1	E2	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PA 06-G01	6	12.5	G 1/8	14.3	24.7	12.5	23.1	7.0	5.0	16.4	8	3.5	20.0	25
PA 08-G02	8	14.8	G 1/4	15.2	28.3	14.8	27.9	9.0	6.5	18.3	12	6.5	30.0	25
PA 10-G02	10	17.5	G 1/4	13.9	28.3	17.5	30.9	9.0	6.5	20.2	12	5.1	34.0	25
PA 10-G03	10	17.5	G 3/8	19.1	33.0	17.5	30.9	11.3	6.5	20.2	14	7.2	58.0	20
PA 12-G03	12	20.5	G 3/8	17.6	33.0	20.5	35.8	11.3	6.5	22.4	14	6.8	61.0	12
PA 12-G04	12	20.5	G 1/2	17.6	37.7	20.5	36.3	14.0	8.0	22.4	19	6.8	87.0	12

PAF

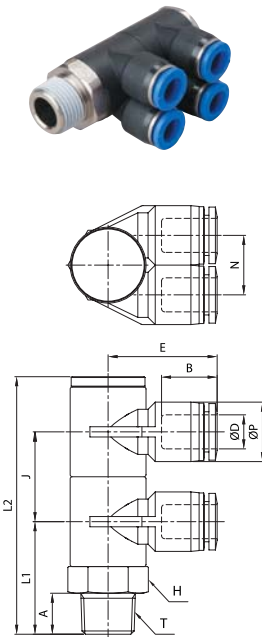
Metric-BSPT(R)



MODEL	ØD	ØP	T1	T2	L1	L2	J	E1	E2	A1	A2	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PAF 04-M5	4	10.3	M5×0.8p	M5×0.8p	10.3	20.0	10.3	19.4	5.0	3.6	6.0	14.8	8	2.0	8.0	50
PAF 06-01	6	12.5	R1/8	Rc 1/8	14.9	30.7	12.5	23.1	7.0	8.0	9.0	16.4	14	3.5	22.0	25
PAF 08-02	8	14.8	R1/4	Rc 1/4	18.3	35.5	14.8	27.9	9.0	10.0	11.0	18.3	17	6.5	38.0	25
PAF 10-02	10	17.5	R1/4	Rc 1/4	19.7	35.5	17.5	30.9	9.0	10.0	11.0	20.2	17	5.1	39.0	25
PAF 10-03	10	17.5	R3/8	Rc 3/8	20.6	41.2	17.5	30.9	11.3	11.0	13.0	20.2	21	7.2	61.0	20
PAF 12-03	12	20.5	R3/8	Rc 3/8	22.1	41.2	20.5	35.8	11.3	11.0	13.0	22.4	21	6.8	70.0	12
PAF 12-04	12	20.5	R1/2	Rc 1/2	25.2	49.5	20.5	36.3	14.0	14.0	15.0	22.4	24	6.8	92.0	12

PAT(2)

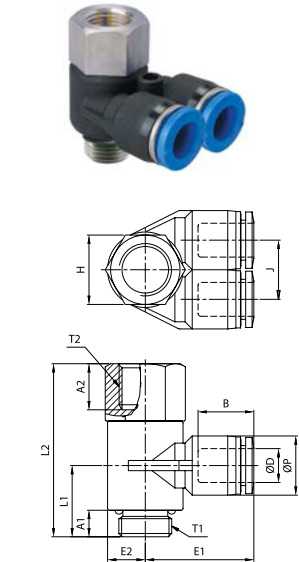
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	N	E	A	B	J	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PAT 04-01(2)	4	10.5	R 1/8	22.5	51.8	10.5	21.4	8.0	14.8	17.9	14	3.2	40.0	25
PAT 04-02(2)	4	10.5	R 1/4	27.5	62.8	10.5	22.9	10.0	14.8	21.9	17	3.2	62.0	25
PAT 04-03(2)	4	10.5	R 3/8	29.0	64.8	10.5	26.1	11.0	14.8	21.9	21	3.2	95.0	16
PAT 04-04(2)	4	10.5	R 1/2	34.1	73.4	10.5	27.7	14.0	14.8	23.9	24	3.2	139.0	12
PAT 06-01(2)	6	12.5	R 1/8	22.5	51.8	12.5	22.9	8.0	16.4	17.9	14	4.0	43.0	25
PAT 06-02(2)	6	12.5	R 1/4	27.5	62.8	12.5	24.8	10.0	16.4	21.9	17	5.0	53.0	12
PAT 06-03(2)	6	12.5	R 3/8	29.0	64.8	12.5	26.6	11.0	16.4	21.9	21	5.0	97.0	12
PAT 06-04(2)	6	12.5	R 1/2	34.1	73.4	12.5	28.6	14.0	16.4	23.9	24	5.0	141.0	9
PAT 08-01(2)	8	14.5	R 1/8	22.5	51.8	14.5	24.8	8.0	18.3	17.9	14	5.0	48.0	16
PAT 08-02(2)	8	14.5	R 1/4	27.5	62.8	14.5	26.6	10.0	18.3	21.9	17	6.0	70.0	12
PAT 08-03(2)	8	14.5	R 3/8	29.0	64.8	14.5	28.2	11.0	18.3	21.9	21	7.0	103.0	9
PAT 08-04(2)	8	14.5	R 1/2	34.1	73.4	14.5	30.3	14.0	18.3	23.9	24	6.0	146.0	9
PAT 10-01(2)	10	17.5	R 1/8	22.5	51.8	17.5	26.7	8.0	20.2	17.9	14	5.0	68.0	12
PAT 10-02(2)	10	17.5	R 1/4	27.5	62.8	17.5	28.2	10.0	20.2	21.9	17	8.0	78.0	9
PAT 10-03(2)	10	17.5	R 3/8	29.0	64.8	17.5	30.2	11.0	20.2	21.9	21	6.0	110.0	9
PAT 10-04(2)	10	17.5	R 1/2	34.1	73.4	17.5	32.6	14.0	20.2	23.9	24	7.0	154.0	6
PAT 12-02(2)	12	20.5	R 1/4	27.5	62.8	20.5	31.1	10.0	22.9	21.9	17	8.0	91.0	9
PAT 12-03(2)	12	20.5	R 3/8	29.0	64.8	20.5	32.9	11.0	22.9	21.9	21	8.0	122.0	6
PAT 12-04(2)	12	20.5	R 1/2	34.1	73.4	20.5	35.2	14.0	22.9	23.9	24	8.0	167.0	4

PAF-G

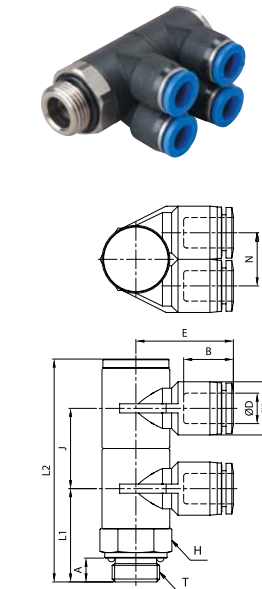
Metric-BSPP(G)



MODEL	ØD	ØP	T1	T2	L1	L2	J	E1	E2	A1	A2	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PAF 06-G01	6	12.5	G1/8	G1/8	14.0	33.9	12.5	22.9	7.7	5.0	9.0	16.4	14	4.0	22.0	25
PAF 08-G02	8	14.5	G1/4	G1/4	17.5	42.4	14.5	26.6	9.3	6.5	12.0	18.3	17	6.0	38.0	25
PAF 10-G02	10	17.5	G1/4	G1/4	17.5	42.4	17.5	28.2	9.3	6.5	12.0	20.2	17	8.0	39.0	25
PAF 10-G03	10	17.5	G3/8	G3/8	17.5	44.4	17.5	30.2	11.2	6.5	13.0	20.2	21	6.0	61.0	20
PAF 12-G03	12	20.5	G3/8	G3/8	17.5	44.4	20.5	32.9	11.2	6.5	13.0	22.9	21	8.0	70.0	12
PAF 12-G04	12	20.5	G1/2	G1/2	20.0	49.9	20.5	35.2	13.4	8.1	16.0	22.9	24	8.0	92.0	12

PAT(2)-G

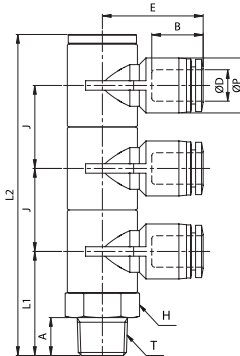
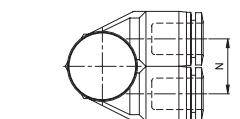
Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2	N	E	A	B	J	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PAT 04-G01(2)	4	10.5	G 1/8	20.5	49.8	10.5	21.4	5.0	14.8	17.9	14	3.2	40.0	25
PAT 04-G02(2)	4	10.5	G 1/4	25.5	60.8	10.5	22.9	6.5	14.8	21.9	17	3.2	62.0	25
PAT 04-G03(2)	4	10.5	G 3/8	26.0	61.8	10.5	26.1	6.5	14.8	21.9	21	3.2	95.0	16
PAT 04-G04(2)	4	10.5	G 1/2	29.6	68.9	10.5	27.7	8.0	14.8	23.9	24	3.2	139.0	12
PAT 06-G01(2)	6	12.5	G 1/8	20.5	49.8	12.5	22.9	5.0	16.4	17.9	14	4.0	43.0	25
PAT 06-G02(2)	6	12.5	G 1/4	25.5	60.8	12.5	24.8	6.5	16.4	21.9	17	5.0	53.0	12
PAT 06-G03(2)	6	12.5	G 3/8	26.0	61.8	12.5	26.6	6.5	16.4	21.9	21	5.0	97.0	12
PAT 06-G04(2)	6	12.5	G 1/2	29.6	68.9	12.5	28.6	8.0	16.4	23.9	24	5.0	141.0	9
PAT 08-G01(2)	8	14.5	G 1/8	20.5	49.8	14.5	24.8	5.0	18.3	17.9	14	5.0	48.0	16
PAT 08-G02(2)	8	14.5	G 1/4	25.5	60.8	14.5	26.6	6.5	18.3	21.9	17	6.0	70.0	12
PAT 08-G03(2)	8	14.5	G 3/8	26.0	61.8	14.5	28.2	6.5	18.3	21.9	21	7.0	103.0	9
PAT 08-G04(2)	8	14.5	G 1/2	29.6	68.9	14.5	30.3	8.0	18.3	23.9	24	6.0	146.0	9
PAT 10-G01(2)	10	17.5	G 1/8	20.5	49.8	17.5	26.7	5.0	20.2	17.9	14	5.0	68.0	12
PAT 10-G02(2)	10	17.5	G 1/4	25.5	60.8	17.5	28.2	6.5	20.2	21.9	17	8.0	78.0	9
PAT 10-G03(2)	10	17.5	G 3/8	26.0	61.8	17.5	30.2	6.5	20.2	21.9	21	6.0	110.0	9
PAT 10-G04(2)	10	17.5	G 1/2	29.6	68.9	17.5	32.6	8.0	20.2	23.9	24	7.0	154.0	6
PAT 12-G02(2)	12	20.5	G 1/4	25.5	60.8	20.5	31.1	6.5	22.9	21.9	17	8.0	91.0	9
PAT 12-G03(2)	12	20.5	G 3/8	26.0	61.8	20.5	32.9	6.5	22.9	21.9	21	8.0	122.0	6
PAT 12-G04(2)	12	20.5	G 1/2	29.6	68.9	20.5	35.2	8.0	22.9	23.9	24	8.0	167.0	4

PAT (3)

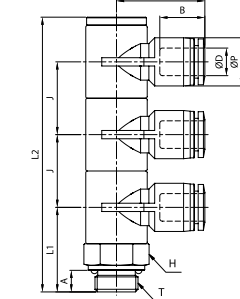
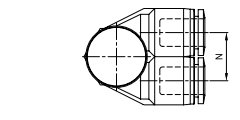
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	N	E	A	B	J	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PAT 04-01(3)	4	10.5	R 1/8	22.5	69.7	10.5	21.4	8.0	14.8	17.9	14	3.2	53.0	20
PAT 04-02(3)	4	10.5	R 1/4	27.5	84.7	10.5	22.9	10.0	14.8	21.9	17	3.2	80.0	20
PAT 04-03(3)	4	10.5	R 3/8	29.0	86.7	10.5	26.1	11.0	14.8	21.9	21	3.2	122.0	12
PAT 04-04(3)	4	10.5	R 1/2	34.1	97.3	10.5	27.7	14.0	14.8	23.9	24	3.2	187.0	8
PAT 06-01(3)	6	12.5	R 1/8	22.5	69.7	12.5	22.9	8.0	16.4	17.9	14	4.0	64.0	12
PAT 06-02(3)	6	12.5	R 1/4	27.5	84.7	12.5	24.8	10.0	16.4	21.9	17	5.0	86.0	9
PAT 06-03(3)	6	12.5	R 3/8	29.0	86.7	12.5	26.6	11.0	16.4	21.9	21	5.0	126.0	9
PAT 06-04(3)	6	12.5	R 1/2	34.1	97.3	12.5	28.6	14.0	16.4	23.9	24	5.0	181.0	6
PAT 08-01(3)	8	14.5	R 1/8	22.5	69.7	14.5	24.8	8.0	18.3	17.9	14	5.0	64.0	9
PAT 08-02(3)	8	14.5	R 1/4	27.5	84.7	14.5	26.6	10.0	18.3	21.9	17	6.0	92.0	9
PAT 08-03(3)	8	14.5	R 3/8	29.0	86.7	14.5	28.2	11.0	18.3	21.9	21	7.0	135.0	6
PAT 08-04(3)	8	14.5	R 1/2	34.1	97.3	14.5	30.3	14.0	18.3	23.9	24	6.0	200.0	6
PAT 10-01(3)	10	17.5	R 1/8	22.5	69.7	17.5	26.7	8.0	20.2	17.9	14	5.0	80.0	8
PAT 10-02(3)	10	17.5	R 1/4	27.5	84.7	17.5	28.2	10.0	20.2	21.9	17	8.0	106.0	8
PAT 10-03(3)	10	17.5	R 3/8	29.0	86.7	17.5	30.2	11.0	20.2	21.9	21	6.0	144.0	6
PAT 10-04(3)	10	17.5	R 1/2	34.1	97.3	17.5	32.6	14.0	20.2	23.9	24	7.0	213.0	6
PAT 12-02(3)	12	20.5	R 1/4	27.5	84.7	20.5	31.1	10.0	22.9	21.9	17	8.0	123.0	6
PAT 12-03(3)	12	20.5	R 3/8	29.0	86.7	20.5	32.9	11.0	22.9	21.9	21	8.0	165.0	4
PAT 12-04(3)	12	20.5	R 1/2	34.1	97.3	20.5	35.2	14.0	22.9	23.9	24	8.0	220.0	4

PAT(3)-G

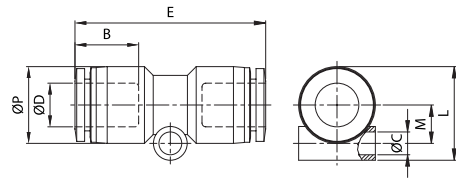
Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2	N	E	A	B	J	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PAT 04-G01(3)	4	10.5	G 1/8	20.5	67.7	10.5	21.4	5.0	14.8	17.9	14	3.2	53.0	20
PAT 04-G02(3)	4	10.5	G 1/4	25.5	82.7	10.5	22.9	6.5	14.8	21.9	17	3.2	80.0	20
PAT 04-G03(3)	4	10.5	G 3/8	26.0	83.7	10.5	26.1	6.5	14.8	21.9	21	3.2	122.0	12
PAT 04-G04(3)	4	10.5	G 1/2	29.6	92.8	10.5	27.7	8.0	14.8	23.9	24	3.2	187.0	8
PAT 06-G01(3)	6	12.5	G 1/8	20.5	67.7	12.5	22.9	5.0	16.4	17.9	14	4.0	64.0	12
PAT 06-G02(3)	6	12.5	G 1/4	25.5	82.7	12.5	24.8	6.5	16.4	21.9	17	5.0	86.0	9
PAT 06-G03(3)	6	12.5	G 3/8	26.0	83.7	12.5	26.6	6.5	16.4	21.9	21	5.0	126.0	9
PAT 06-G04(3)	6	12.5	G 1/2	29.6	92.8	12.5	28.6	8.0	16.4	23.9	24	5.0	181.0	6
PAT 08-G01(3)	8	14.5	G 1/8	20.5	67.7	14.5	24.8	5.0	18.3	17.9	14	5.0	64.0	9
PAT 08-G02(3)	8	14.5	G 1/4	25.5	82.7	14.5	26.6	6.5	18.3	21.9	17	6.0	92.0	9
PAT 08-G03(3)	8	14.5	G 3/8	26.0	83.7	14.5	28.2	6.5	18.3	21.9	21	7.0	135.0	6
PAT 08-G04(3)	8	14.5	G 1/2	29.6	92.8	14.5	30.3	8.0	18.3	23.9	24	6.0	200.0	6
PAT 10-G01(3)	10	17.5	G 1/8	20.5	67.7	17.5	26.7	5.0	20.2	17.9	14	5.0	80.0	8
PAT 10-G02(3)	10	17.5	G 1/4	25.5	82.7	17.5	28.2	6.5	20.2	21.9	17	8.0	106.0	8
PAT 10-G03(3)	10	17.5	G 3/8	26.0	83.7	17.5	30.2	6.5	20.2	21.9	21	6.0	144.0	6
PAT 10-G04(3)	10	17.5	G 1/2	29.6	92.8	17.5	32.6	8.0	20.2	23.9	24	7.0	213.0	6
PAT 12-G02(3)	12	20.5	G 1/4	25.5	82.7	20.5	31.1	6.5	22.9	21.9	17	8.0	123.0	6
PAT 12-G03(3)	12	20.5	G 3/8	26.0	83.7	20.5	32.9	6.5	22.9	21.9	21	8.0	165.0	4
PAT 12-G04(3)	12	20.5	G 1/2	29.6	92.8	20.5	35.2	8.0	22.9	23.9	24	8.0	220.0	4

PUC

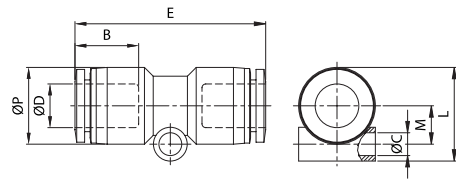
Metric



MODEL	ØD	ØP	L	E	ØC	B	M	ORIFICE	WEIGHT (g)	BOX (EA)
PUC 04	4	10.5	12.8	33.9	3.3	14.8	4.5	3.4	4.0	100
PUC 06	6	12.5	15.3	36.4	3.3	16.4	6.0	5.0	7.0	100
PUC 08	8	14.8	18.4	39.2	4.5	18.3	7.5	6.8	9.0	50
PUC 10	10	17.5	20.1	43.5	4.3	19.7	7.8	8.0	13.0	50
PUC 12	12	20.5	23.7	48.3	4.3	22.9	9.9	10.0	20.0	25
PUC 14	14	23.0	-	50.0	-	23.7	-	12.0	21.0	25
PUC 16	16	25.5	-	51.6	-	24.1	-	13.0	29.0	25

Inch

MODEL	ØD	ØP	L	E	ØC	B	M	ORIFICE	WEIGHT (g)	BOX (EA)
PUC 5/32	5/32	10.5	12.8	34.0	3.3	14.8	4.5	3.4	3.6	100
PUC 3/16	3/16	11.5	15.1	35.6	3.5	15.8	6.4	4.0	3.4	100
PUC 1/4	1/4	13.0	16.3	36.8	3.5	16.8	6.8	4.8	6.4	100
PUC 5/16	5/16	14.8	18.4	39.3	4.5	18.4	7.5	6.8	8.4	50
PUC 3/8	3/8	17.5	21.5	42.6	4.5	20.1	9.3	8.0	13.4	50
PUC 1/2	1/2	21.0	24.5	48.9	4.5	23.1	10.5	10.0	19.0	25

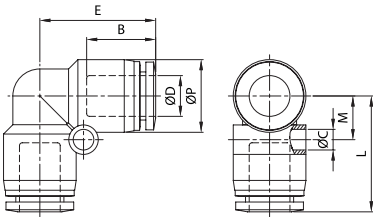
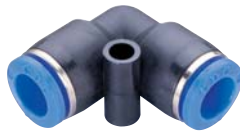


ONE-TOUCH FITTINGS

- O
- C
- S
- P
- H
- S
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- S
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- A
- O
- C
- T
- F

PUL

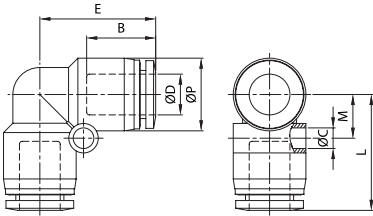
Metric



MODEL	ØD	ØP	L	E	ØC	B	M	ORIFICE	WEIGHT (g)	BOX (EA)
PUL 04	4	10.6	18.7	18.7	3.3	14.8	6.9	3.4	5.0	100
PUL 06	6	12.5	21.3	21.3	4.2	16.4	8.4	5.0	6.0	100
PUL 08	8	14.8	23.6	23.6	4.2	18.3	8.9	6.8	9.0	50
PUL 10	10	17.5	25.4	25.4	4.3	20.2	10.9	8.0	13.0	50
PUL 12	12	20.5	29.9	29.9	4.3	22.9	12.4	10.0	22.0	25
PUL 14	14	23.0	31.9	31.9	4.3	23.7	13.7	12.0	24.0	20
PUL 16	16	25.5	34.3	34.3	5.3	24.1	15.9	13.0	36.0	20

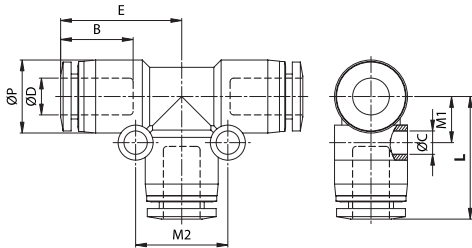
Inch

MODEL	ØD	ØP	L	E	ØC	B	M	ORIFICE	WEIGHT (g)	BOX (EA)
PUL 5/32	5/32	10.5	18.8	18.8	3.3	14.8	6.9	3.4	4.6	100
PUL 3/16	3/16	11.5	19.8	19.8	3.5	15.8	7.5	4.0	4.4	100
PUL 1/4	1/4	13.0	21.3	21.3	3.5	16.8	8.3	4.8	7.4	100
PUL 5/16	5/16	14.8	23.7	23.7	4.2	18.4	8.9	6.8	9.4	50
PUL 3/8	3/8	17.5	25.8	25.8	4.5	20.1	11.0	8.0	14.4	50
PUL 1/2	1/2	21.0	30.3	30.3	4.5	23.1	12.8	10.0	22.0	25



PUT

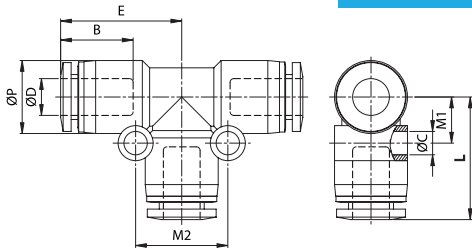
Metric



MODEL	ØD	ØP	L	E	ØC	B	M1	M2	ORIFICE	WEIGHT (g)	BOX (EA)
PUT 04	4	10.5	18.7	18.0	3.3	14.8	6.8	2.8	3.4	7.0	100
PUT 06	6	12.5	21.0	20.8	3.3	16.4	7.9	15.8	5.0	10.0	50
PUT 08	8	14.8	23.6	22.6	4.5	18.3	9.7	19.3	6.8	13.0	50
PUT 10	10	17.5	25.5	24.3	4.3	19.7	10.9	21.8	8.0	19.0	25
PUT 12	12	20.5	29.9	28.7	4.3	22.9	12.4	24.6	10.0	29.0	25
PUT 14	14	23.0	31.9	31.9	4.3	23.7	13.7	27.3	12.0	39.0	15
PUT 16	16	25.5	34.3	34.3	5.3	24.1	15.9	31.8	13.0	50.0	15

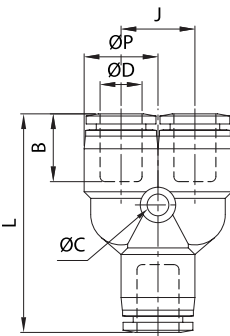
Inch

MODEL	ØD	ØP	L	E	ØC	B	M1	M2	ORIFICE	WEIGHT (g)	BOX (EA)
PUT 5/32	5/32	10.5	18.7	18.0	3.3	14.8	6.8	12.8	3.4	7.0	100
PUT 3/16	3/16	11.5	19.8	19.8	3.5	15.8	7.5	15.0	4.0	6.1	100
PUT 1/4	1/4	13.0	21.3	21.3	3.5	16.8	8.3	16.5	4.8	10.1	50
PUT 5/16	5/16	14.8	23.7	22.7	4.5	18.4	9.7	19.3	6.8	13.0	50
PUT 3/8	3/8	17.5	25.8	25.8	4.5	20.1	11.0	22.0	8.0	19.6	25
PUT 1/2	1/2	21.0	30.3	30.3	4.5	23.1	12.8	25.5	10.0	31.0	25



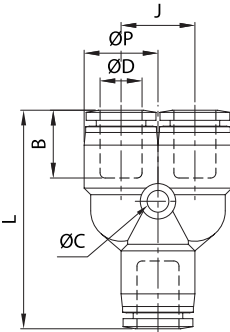
PY

Metric



MODEL	ØD	ØP	L	J	ØC	B	ORIFICE	WEIGHT (g)	BOX (EA)
PY 04	4	10.5	35.9	10.5	3.3	16.0	3.0	7.0	100
PY 06	6	13.0	39.2	13.0	3.3	17.6	5.0	10.0	50
PY 08	8	14.6	43.2	14.6	4.3	18.6	5.0	14.0	50
PY 10	10	17.5	47.2	17.5	4.5	19.9	6.0	20.0	25
PY 12	12	21.0	54.1	21.0	4.5	22.8	7.0	31.0	25
PY 16	16	25.5	61.9	25.5	5.3	24.1	11.0	45.9	15

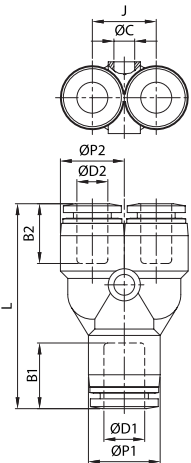
Inch



MODEL	ØD	ØP	L	J	ØC	B	ORIFICE	WEIGHT (g)	BOX (EA)
PY 5/32	5/32	10.5	36.0	10.5	3.3	16.0	3.0	7.4	100
PY 3/16	3/16	11.5	37.2	11.5	3.3	16.8	4.0	7.1	100
PY 1/4	1/4	13.0	39.8	13.0	3.3	17.9	5.0	9.1	50
PY 5/16	5/16	14.6	43.3	14.6	4.3	18.7	5.0	13.1	50
PY 3/8	3/8	17.5	47.1	17.5	4.5	19.8	6.0	19.6	25
PY 1/2	1/2	21.0	54.5	21.0	4.5	23.0	7.0	29.0	25

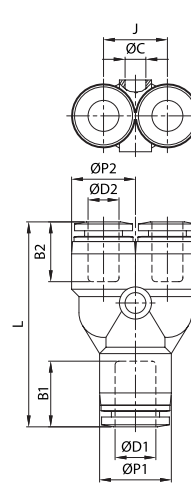
PW

Metric



MODEL	ØD1	ØD2	ØP1	ØP2	L	J	ØC	B1	B2	ORIFICE	WEIGHT (g)	BOX (EA)
PW 0604	6	4	13.0	10.5	37.6	10.5	3.3	17.6	16.0	3.3	7.0	100
PW 0804	8	4	14.8	10.5	39.1	10.5	3.3	18.6	16.0	3.2	9.0	50
PW 0806	8	6	14.6	13.0	41.7	13.0	3.3	18.6	17.6	5.0	11.0	50
PW 1006	10	6	17.5	13.0	43.0	13.0	3.3	19.8	17.4	5.0	13.0	50
PW 1008	10	8	17.5	14.6	44.5	14.6	4.3	19.8	18.6	5.0	15.0	50
PW 1208	12	8	21.0	14.8	47.4	14.8	3.3	22.2	18.6	6.4	20.0	25
PW 1210	12	10	21.0	17.5	50.7	17.5	4.5	22.8	19.9	7.0	24.0	25
PW 1612	16	12	25.5	21.0	57.0	21.0	5.3	24.1	22.8	9.0	33.6	15

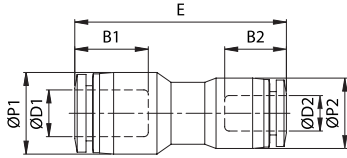
Inch



MODEL	ØD1	ØD2	ØP1	ØP2	L	J	ØC	B1	B2	ORIFICE	WEIGHT (g)	BOX (EA)
PW 3/16-5/32	3/16	5/32	11.5	10.5	36.8	10.5	3.3	16.8	16.0	3.3	8.3	100
PW 1/4-5/32	1/4	5/32	13.0	10.5	37.9	10.5	3.3	17.9	16.0	3.3	8.3	100
PW 1/4-3/16	1/4	3/16	13.0	11.5	38.7	11.5	3.3	17.9	16.8	4.0	8.1	50
PW 5/16-5/32	5/16	5/32	14.8	10.5	39.2	10.5	3.3	18.7	16.0	3.2	9.3	50
PW 5/16-1/4	5/16	1/4	14.6	13.0	42.1	13.0	3.3	18.7	17.9	5.0	12.1	50
PW 3/8-1/4	3/8	1/4	17.5	13.0	43.2	13.0	3.3	19.8	17.9	5.0	14.6	50
PW 3/8-5/16	3/8	5/16	17.5	14.6	44.5	14.6	4.3	19.7	18.7	5.0	16.6	50
PW 1/2-5/16	1/2	5/16	21.0	14.8	47.6	14.8	3.3	22.4	18.5	6.4	18.4	25
PW 1/2-3/8	1/2	3/8	21.0	17.5	50.8	17.5	4.5	23.0	19.8	7.0	26.2	25

PG

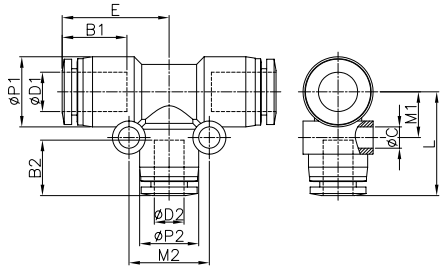
Metric



MODEL	ØD1	ØD2	ØP1	ØP2	E	B1	B2	ORIFICE	WEIGHT (g)	BOX (EA)
PG 0604	6	4	12.5	10.5	35.0	16.4	14.8	3.0	6.0	100
PG 0804	8	4	14.8	10.5	38.1	18.3	14.8	3.2	7.0	100
PG 0806	8	6	14.5	12.5	37.6	18.3	16.4	4.0	8.0	100
PG 1006	10	6	17.5	12.5	39.9	20.2	16.4	5.0	9.0	50
PG 1008	10	8	17.5	14.5	40.0	20.2	18.3	6.5	10.0	50
PG 1208	12	8	20.5	14.8	45.5	22.9	18.3	6.4	13.0	50
PG 1210	12	10	20.5	17.5	43.9	22.9	20.2	8.0	14.0	50
PG 1412	14	12	23.0	20.5	49.4	23.7	22.9	10.0	21.0	25
PG 1612	16	12	25.5	20.5	49.9	24.1	22.9	10.0	25.0	25

PGT

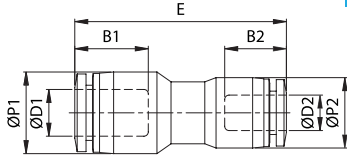
Metric



MODEL	ØD1	ØD2	ØP1	ØP2	L	E	ØC	B1	B2	M1	M2	ORIFICE	WEIGHT (g)	BOX (EA)
PGT 0604	6	4	12.5	10.4	19.0	20.8	3.3	16.4	14.8	7.9	13.8	3.0	9.0	50
PGT 0804	8	4	14.8	10.5	20.0	21.6	4.5	18.3	14.8	9.7	15.0	3.0	11.0	50
PGT 0806	8	6	14.8	12.5	21.9	22.6	4.5	18.3	16.4	9.7	17.0	5.0	12.0	50
PGT 1006	10	6	17.5	12.5	23.1	24.8	4.3	20.2	16.4	10.9	16.8	5.0	16.0	50
PGT 1008	10	8	17.5	14.5	24.8	24.8	4.3	20.2	18.3	10.9	18.8	6.5	16.0	50
PGT 1208	12	8	20.5	14.5	25.8	28.1	4.3	22.9	18.3	12.4	18.8	7.0	23.0	25
PGT 1210	12	10	20.5	17.5	27.4	28.1	4.3	22.9	20.2	12.4	21.9	8.0	25.0	25
PGT 1610	16	10	25.5	17.5	30.1	30.8	5.3	24.1	19.7	15.9	22.8	8.0	41.0	15
PGT 1612	16	12	25.5	20.5	32.6	32.3	5.3	24.1	22.9	15.9	25.8	10.0	45.0	15

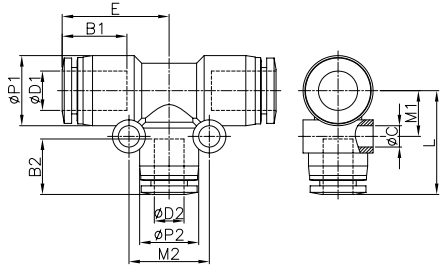
Inch

MODEL	ØD1	ØD2	ØP1	ØP2	E	B1	B2	ORIFICE	WEIGHT (g)	BOX (EA)
PG 3/16-5/32	3/16	5/32	11.5	10.5	34.8	15.8	14.8	3.2	5.5	100
PG 1/4-5/32	1/4	5/32	13.0	10.5	35.4	16.8	14.8	3.2	5.5	100
PG 1/4-3/16	1/4	3/16	13.0	11.5	36.2	16.8	15.8	3.8	5.4	100
PG 5/16-5/32	5/16	5/32	14.8	10.5	38.2	18.4	14.8	3.2	5.5	100
PG 5/16-1/4	5/16	1/4	14.5	13.0	38.1	18.4	16.8	5.0	7.4	50
PG 3/8-1/4	3/8	1/4	17.5	13.0	39.7	20.1	16.8	5.0	7.9	50
PG 3/8-5/16	3/8	5/16	17.5	14.5	41.0	20.1	18.4	6.5	10.9	50
PG 1/2-3/8	1/2	3/8	21.0	17.5	45.3	23.1	20.1	8.0	16.2	25



Inch

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	ØC	B1	B2	M1	M2	ORIFICE	WEIGHT (g)	BOX (EA)
PGT 1/4-5/32	1/4	5/32	13.0	10.5	19.9	20.3	4.3	16.8	14.8	8.3	14.5	3.2	8.2	50
PGT 5/16-1/4	5/16	1/4	14.8	13.0	22.7	22.7	4.5	18.4	16.8	9.7	17.5	5.0	11.1	50
PGT 3/8-1/4	3/8	1/4	17.5	13.0	23.4	24.3	4.5	20.1	16.8	11.0	17.5	5.0	17.1	50
PGT 3/8-5/16	3/8	5/16	17.5	14.5	24.8	24.7	4.3	20.1	18.4	10.9	18.8	6.5	18.1	50
PGT 1/2-3/8	1/2	3/8	21.0	17.5	26.3	29.3	4.5	23.1	20.1	12.8	22.0	8.0	25.2	25

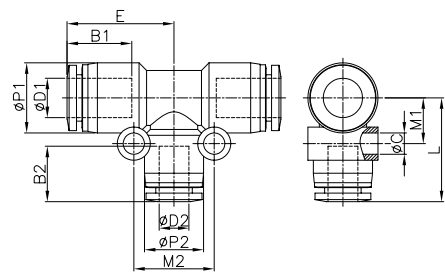


PGT

Metric

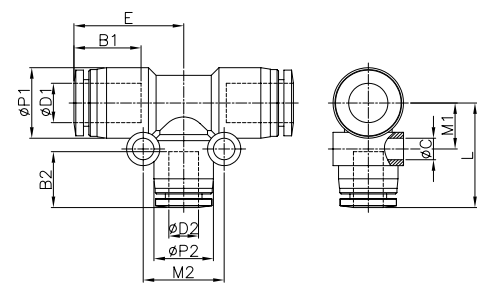


MODEL	ØD1	ØD2	ØP1	ØP2	L	E	ØC	B1	B2	M1	M2	ORIFICE	WEIGHT (g)	BOX (EA)
PGT 0406	4	6	10.5	12.5	20.3	18.8	4.3	14.8	16.4	7.4	16.8	3.4	6.7	50
PGT 0608	6	8	12.5	14.8	22.7	20.3	4.3	16.4	18.1	8.4	19.1	5	9.5	50
PGT 0810	8	10	14.5	17.5	25.4	22.8	4.3	18.4	20.3	9.4	21.4	6.8	13.3	50
PGT 1012	10	12	17.5	20.5	29.2	25.3	4.3	20.3	23.1	10.9	24.8	8	20.1	25



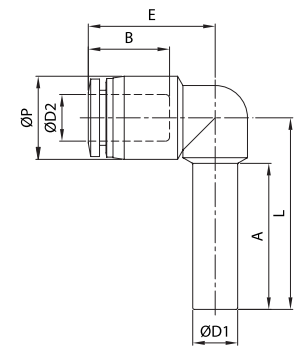
Inch

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	ØC	B1	B2	M1	M2	ORIFICE	WEIGHT (g)	BOX (EA)
PGT 5/32-1/4	5/32	1/4	10.5	13	20.5	18.3	4.3	14.8	16.8	7.4	17.3	3.4	6.8	50
PGT 1/4-5/16	1/4	5/16	13	14.8	22.7	21.3	4.3	16.8	18.4	8.7	19.1	5	10.1	50
PGT 5/16-3/8	5/16	3/8	14.5	17.5	25.2	22.8	4.3	18.4	20.1	9.4	21.8	6.8	13.3	50
PGT 3/8-1/2	3/8	1/2	17.5	21	29.3	25.1	4.3	20.1	23.1	10.9	25.3	8	20.6	25



PLJ

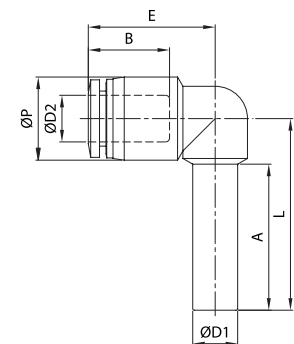
Metric



MODEL	ØD1	ØD2	ØP	L	E	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PLJ 04	4	4	10.5	28.4	18.5	22.0	14.8	2.0	4.0	100
PLJ 06	6	6	12.5	31.4	20.3	24.0	16.4	4.0	9.0	100
PLJ 08	8	8	14.8	34.1	22.6	26.0	18.3	6.0	8.0	50
PLJ 10	10	10	17.5	37.9	24.3	28.0	20.2	7.0	10.0	50
PLJ 12	12	12	20.5	41.5	28.1	30.0	22.9	9.0	17.0	25
PLJ 16	16	16	25.5	59.8	32.8	32.0	24.1	12.0	36.0	20
PLJ 0604	6	4	10.5	38.5	18.5	25.0	14.8	2.5	6.0	100
PLJ 0806	8	6	12.5	41.5	20.3	26.0	16.4	4.0	8.0	50
PLJ 1008	10	8	14.8	45.0	22.9	28.0	18.3	5.6	9.0	50
PLJ 1210	12	10	17.5	48.0	24.6	30.0	20.2	7.5	14.0	25

Inch

MODEL	ØD1	ØD2	ØP	L	E	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PLJ 5/32	5/32	5/32	10.5	28.4	18.5	22.0	14.8	2.6	4.8	100
PLJ 3/16	3/16	3/16	11.5	37.5	19.1	24.0	15.8	2.6	4.7	50
PLJ 1/4	1/4	1/4	13.0	41.0	20.5	25.0	16.8	4.2	6.7	50
PLJ 5/16	5/16	5/16	14.8	34.1	22.7	26.0	18.4	5.6	7.7	50
PLJ 3/8	3/8	3/8	17.5	45.8	23.8	28.0	20.1	7.0	14.2	50
PLJ 1/2	1/2	1/2	21.0	51.5	28.3	30.0	23.1	9.0	19.0	25
PLJ 1/4-5/32	1/4	5/32	10.5	38.5	18.5	25.0	14.8	2.6	5.8	100
PLJ 5/16-1/4	5/16	1/4	13.0	42.0	20.5	26.0	16.8	4.0	7.7	50
PLJ 3/8-1/4	3/8	1/4	13.0	44.0	20.5	28.0	16.8	4.0	14.7	50
PLJ 3/8-5/16	3/8	5/16	14.8	45.0	23.0	28.0	18.4	5.6	15.7	50



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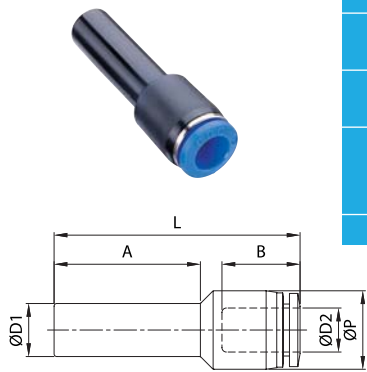
C

T

F

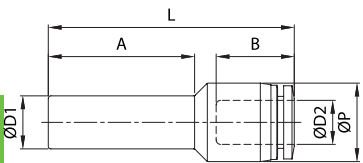
PGJ

Metric



MODEL	ØD1	ØD2	ØP	L	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PGJ 0406	4	6	12.5	40	21	16.4	2.5		100
PGJ 0604	6	4	10.5	37.7	21.8	14.8	3	3.0	100
PGJ 0608	6	8	14.8	43.5	22.5	18.4	4		100
PGJ 0804	8	4	10.5	39.7	24.8	14.8	3	4.0	100
PGJ 0806	8	6	12.5	40	23.8	16.4	4.8	5.0	100
PGJ 1006	10	6	12.5	44	28.8	16.4	4	6.0	50
PGJ 1008	10	8	14.8	46.4	27.6	18.3	6.8	7.0	50
PGJ 1206	12	6	12.5	50	30.5	16.4	5	6.0	50
PGJ 1208	12	8	14.8	50.4	32.6	18.3	6	7.0	50
PGJ 1210	12	10	17.5	52.9	31.2	20.2	8	8.0	50
PGJ 1612	16	12	20.5	63.3	37.7	23.1	10	16.0	25

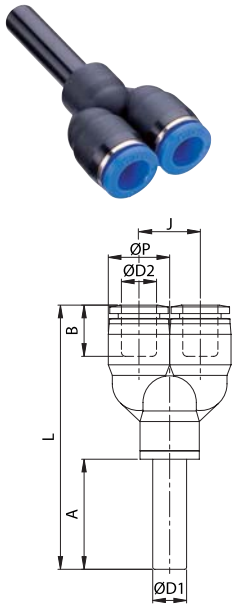
Inch



MODEL	ØD1	ØD2	ØP	L	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PGJ 1/8-1/4	1/8	1/4	13.0	37.8	18.5	16.8	1.5	2.7	100
PGJ 5/32-1/8	5/32	1/8	8.0	31.8	18.5	11.4	2.0	3.0	100
PGJ 5/32-1/4	5/32	1/4	13.0	37.8	18.5	16.8	2.0	2.7	100
PGJ 1/4-1/8	1/4	1/8	8.0	31.8	20.9	11.4	2.5	4.0	100
PGJ 1/4-5/32	1/4	5/32	10.5	40.2	22.7	14.8	3.4	3.8	100
PGJ 5/16-5/32	5/16	5/32	10.5	39.7	24.8	14.8	3.0	4.8	100
PGJ 5/16-1/4	5/16	1/4	13.0	48.0	28.7	16.8	4.0	4.7	100
PGJ 3/8-1/4	3/8	1/4	13.0	48.0	31.3	16.8	5.6	4.7	50
PGJ 3/8-5/16	3/8	5/16	14.8	44.7	24.3	18.4	6.5	5.7	50
PGJ 1/2-1/4	1/2	1/4	13.0	48.3	29.3	16.8	5.0	5.7	50
PGJ 1/2-5/16	1/2	5/16	14.8	48.5	32.2	18.4	7.0	6.7	50
PGJ 1/2-3/8	1/2	3/8	17.5	51.8	30.7	20.1	8.0	6.2	50

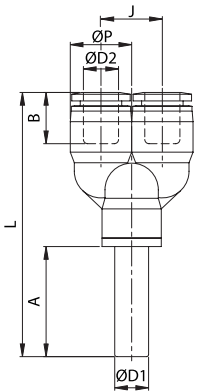
PYJ

Metric



MODEL	ØD1	ØD2	ØP	L	J	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PYJ 04	4	4	10.5	56.4	10.5	24.0	15.5	2.6	5.0	100
PYJ 06	6	6	12.5	58.4	12.5	25.0	16.9	4.0	9.0	50
PYJ 08	8	8	14.5	62.4	14.5	26.0	18.6	5.6	11.0	50
PYJ 10	10	10	17.6	68.6	17.6	28.0	20.3	7.0	18.0	25
PYJ 12	12	12	21.0	75.7	21.0	30.0	22.7	9.0	28.0	25

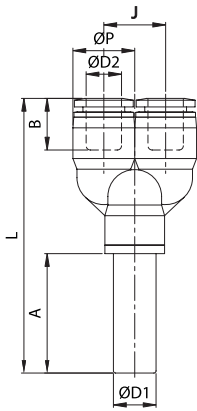
Inch



MODEL	ØD1	ØD2	ØP	L	J	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PYJ 5/32	5/32	5/32	10.5	56.4	10.5	24.0	15.5	2.6	9.6	100
PYJ 3/16	3/16	3/16	11.5	57.9	11.5	24.0	16.8	2.6	9.4	100
PYJ 1/4	1/4	1/4	13.0	60.9	13.0	25.0	17.9	4.2	14.4	50
PYJ 5/16	5/16	5/16	14.5	62.5	14.5	26.0	18.7	5.6	22.4	50
PYJ 3/8	3/8	3/8	17.6	68.5	17.6	28.0	20.2	7.0	38.4	25
PYJ 1/2	1/2	1/2	21.0	80.6	21.0	30.0	23.0	9.0	48.0	20

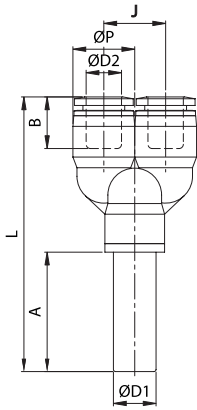
PWJ

Metric



MODEL	ØD1	ØD2	ØP	L	J	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PWJ 0604	6	4	10.5	57.4	10.5	25.0	15.5	2.6	6.0	100
PWJ 0806	8	6	12.5	61.9	12.5	26.0	16.9	4.0	10.0	50
PWJ 1008	10	8	14.5	63.9	14.5	28.0	18.6	5.6	13.0	50
PWJ 1210	12	10	17.6	64.5	17.6	30.0	20.3	7.5	20.0	25

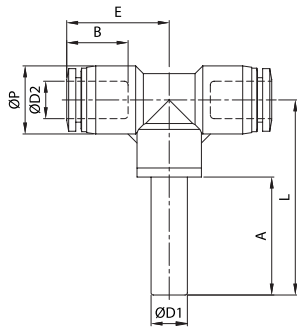
Inch



MODEL	ØD1	ØD2	ØP	L	J	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PWJ 1/4-5/32	1/4	5/32	10.5	57.4	10.5	25.0	15.5	2.6	14.6	100
PWJ 5/16-1/4	5/16	1/4	13.0	61.9	13.0	26.0	17.9	4.0	22.4	50
PWJ 3/8-1/4	3/8	1/4	13.0	63.9	13.0	28.0	17.9	4.0	39.4	50
PWJ 3/8-5/16	3/8	5/16	14.5	64.5	14.5	28.0	18.7	5.6	39.4	50

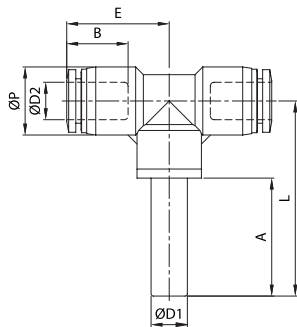
PTJ

Metric



MODEL	ØD1	ØD2	ØP	L	E	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PTJ 04	4	4	10.5	37.5	18.5	24.0	14.8	2.6	6.0	50
PTJ 06	6	6	12.5	40.5	20.3	25.0	16.4	4.0	9.0	50
PTJ 08	8	8	15.0	43.0	22.6	26.0	18.3	5.6	12.0	50
PTJ 10	10	10	17.5	45.8	25.2	28.0	20.2	7.0	16.0	25
PTJ 12	12	12	20.5	50.9	28.7	30.0	22.9	9.0	25.0	25
PTJ 0604	6	4	10.5	38.5	18.5	25.0	14.8	2.5	9.0	50
PTJ 0806	8	6	12.5	41.5	20.3	26.0	16.4	4.0	12.0	50
PTJ 1008	10	8	15.0	45.0	22.6	28.0	18.3	5.6	16.0	25
PTJ 1210	12	10	17.5	48.0	25.2	30.0	20.2	7.5	25.0	25

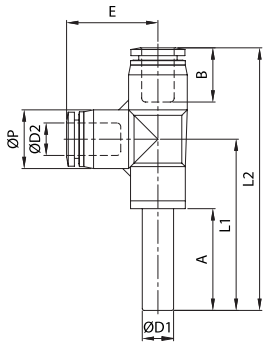
Inch



MODEL	ØC	ØD	ØP	L	E	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PTJ 5/32	5/32	5/32	10.5	37.5	18.5	24.0	14.8	2.6	11.6	50
PTJ 3/16	3/16	3/16	11.5	37.5	19.1	24.0	15.8	2.6	11.4	50
PTJ 1/4	1/4	1/4	13.0	41.0	20.5	25.0	16.8	4.2	16.4	50
PTJ 5/16	5/16	5/16	15.0	43.0	22.7	26.0	18.4	5.6	24.4	50
PTJ 3/8	3/8	3/8	17.5	45.8	23.8	28.0	20.1	7.0	40.4	25
PTJ 1/2	1/2	1/2	21.0	51.5	28.3	30.0	23.1	9.0	50.0	25
PTJ 1/4-5/32	1/4	5/32	10.5	38.5	18.5	25.0	14.8	2.6	16.6	50
PTJ 5/16-1/4	5/16	1/4	13.0	42.0	20.5	26.0	16.8	4.0	24.4	50
PTJ 3/8-1/4	3/8	1/4	13.0	44.0	20.5	28.0	16.8	4.0	41.4	25
PTJ 3/8-5/16	3/8	5/16	15.0	45.0	22.7	28.0	18.4	5.6	41.4	25
PTJ 1/2-3/8	1/2	3/8	17.5	48.0	23.8	30.0	20.1	7.5	49.8	25

PSJ

Metric



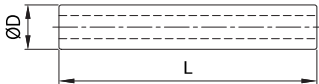
MODEL	ØD1	ØD2	ØP	L1	L2	E	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PSJ 04	4	4	10.6	38.5	58.0	19.5	24.0	14.8	2.6	7.0	50
PSJ 06	6	6	13.0	41.0	62.4	21.4	25.0	16.4	4.0	10.0	50
PSJ 08	8	8	15.0	43.8	67.1	23.4	26.0	18.3	5.6	13.0	50
PSJ 10	10	10	18.0	47.3	73.1	25.8	28.0	20.2	7.0	20.0	25
PSJ 12	12	12	20.8	51.4	81.6	30.2	30.0	22.9	9.0	28.0	25
PSJ 0604	6	4	10.6	39.5	59.0	19.5	25.0	14.8	2.5	8.0	50
PSJ 0806	8	6	13.0	42.0	63.4	21.4	26.0	16.4	4.0	13.0	50
PSJ 1008	10	8	15.0	45.8	69.1	23.4	28.0	18.3	5.6	17.0	25
PSJ 1210	12	10	18.0	49.5	75.3	25.8	30.0	20.2	7.5	28.0	25

PIJ

Metric

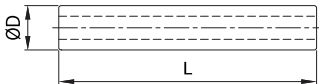


MODEL	ØD	L	ORIFICE	WEIGHT (g)	BOX (EA)
PIJ 04	4	36.0	2.5	1.0	100
PIJ 06	6	38.0	3.5	1.0	100
PIJ 08	8	40.0	5.0	1.0	100
PIJ 10	10	45.0	7.0	3.0	100
PIJ 12	12	48.0	8.5	4.0	50
PIJ 14	14	52.0	10.0	5.0	50
PIJ 16	16	53.0	12.0	6.0	50

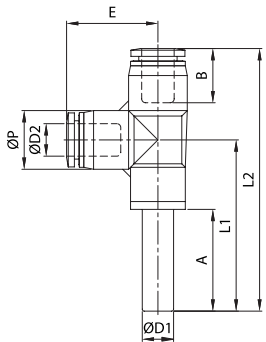


Inch

MODEL	ØD	L	ORIFICE	WEIGHT (g)	BOX (EA)
PIJ 5/32	5/32	36.0	2.5	1.0	100
PIJ 3/16	3/16	38.0	2.8	1.0	100
PIJ 1/4	1/4	40.0	3.5	1.0	100
PIJ 5/16	5/16	42.0	5.0	2.0	100
PIJ 3/8	3/8	45.0	7.0	3.0	100
PIJ 1/2	1/2	50.0	9.0	4.0	50



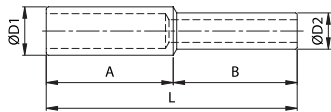
Inch



MODEL	ØD1	ØD2	ØP	L1	L2	E	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PSJ 5/32	5/32	5/32	10.6	38.5	58.0	19.5	24.0	14.8	2.6	11.6	50
PSJ 3/16	3/16	3/16	11.5	37.5	57.6	20.1	24.0	15.8	2.6	11.4	50
PSJ 1/4	1/4	1/4	13.0	41.0	62.5	21.5	25.0	16.8	4.2	16.4	50
PSJ 5/16	5/16	5/16	15.0	43.8	67.2	23.4	26.0	18.4	5.6	24.4	50
PSJ 3/8	3/8	3/8	17.5	47.3	73.1	25.8	28.0	20.1	7.0	40.4	25
PSJ 1/2	1/2	1/2	21.0	51.5	81.8	30.3	30.0	23.1	9.0	50.0	25
PSJ 1/4-5/32	1/4	5/32	10.6	39.5	59.0	19.5	25.0	14.8	2.6	16.6	50
PSJ 5/16-1/4	5/16	1/4	13.0	42.0	63.5	21.5	26.0	16.8	4.0	24.4	50
PSJ 3/8-1/4	3/8	1/4	13.0	44.0	65.5	21.5	28.0	16.8	4.0	41.4	25
PSJ 3/8-5/16	3/8	5/16	15.0	45.8	69.2	23.4	28.0	18.4	5.6	41.4	25
PSJ 1/2-3/8	1/2	3/8	17.5	49.5	75.3	25.8	30.0	20.1	7.5	49.4	25

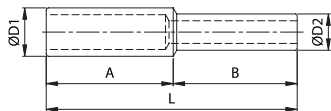
PIG

Metric



MODEL	ØD1	ØD2	L	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PIG 0604	6	4	38.0	19.0	19.0	2.0	1.0	100
PIG 0804	8	4	40.0	21.0	19.0	2.0	1.0	100
PIG 0806	8	6	41.0	21.0	20.0	3.5	2.0	100
PIG 1006	10	6	42.0	22.0	20.0	3.5	2.0	100
PIG 1008	10	8	44.0	22.0	22.0	5.0	3.0	100
PIG 1208	12	8	46.0	24.0	22.0	5.0	3.0	100
PIG 1210	12	10	47.0	24.0	23.0	6.8	3.0	100
PIG 1612	16	12	52.0	27.0	25.0	8.5	6.0	50

Inch



MODEL	ØD1	ØD2	L	A	B	ORIFICE	WEIGHT (g)	BOX (EA)
PIG 3/16-5/32	3/16	5/32	40.0	20.0	20.0	2.0	1.0	100
PIG 1/4-5/32	1/4	5/32	41.0	21.0	20.0	2.0	1.0	100
PIG 1/4-3/16	1/4	3/16	41.0	21.0	20.0	2.8	1.0	100
PIG 5/16-1/4	5/16	1/4	43.0	22.0	21.0	4.0	2.0	100
PIG 3/8-1/4	3/8	1/4	45.0	23.0	22.0	4.0	3.0	100
PIG 3/8-5/16	3/8	5/16	45.0	23.0	22.0	5.0	3.0	100
PIG 1/2-3/8	1/2	3/8	48.0	25.0	23.0	6.5	4.0	100

O

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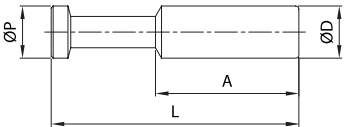
F

PP

Metric

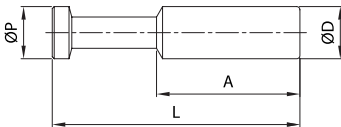


MODEL	ØD	ØP	L	A	WEIGHT (g)	BOX (EA)
PP 04	4	4	30.0	18.0	1.0	100
PP 06	6	6	34.0	20.0	1.0	100
PP 08	8	8	38.0	22.0	2.0	100
PP 10	10	10	42.0	25.0	3.0	100
PP 12	12	12	46.0	28.0	4.0	100
PP 16	16	16	50.0	30.0	8.0	50



Inch

MODEL	ØD	ØP	L	A	WEIGHT (g)	BOX (EA)
PP 5/32	5/32	5/32	30.0	18.0	1.0	100
PP 3/16	3/16	3/16	33.0	19.0	1.0	100
PP 1/4	1/4	1/4	34.0	20.0	1.0	100
PP 5/16	5/16	5/16	38.0	22.0	1.0	100
PP 3/8	3/8	3/8	42.0	25.0	2.0	100
PP 1/2	1/2	1/2	46.0	28.0	3.0	100

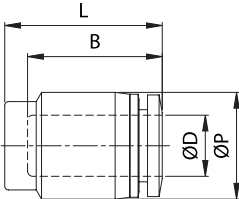


PPF

Metric

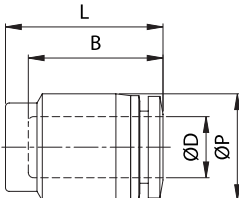


MODEL	ØD	ØP	L	B	WEIGHT (g)	BOX (EA)
PPF 04	4	10.5	18.7	15.3	2.0	100
PPF 06	6	12.5	20.0	16.4	3.0	100
PPF 08	8	14.5	21.4	18.3	4.0	100
PPF 10	10	17.5	22.9	20.2	7.0	100
PPF 12	12	20.5	25.1	22.9	10.0	50
PPF 16	16	25.5	27.8	24.1	17.0	50



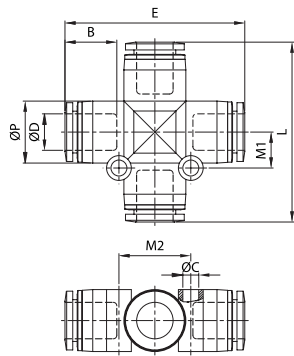
Inch

MODEL	ØD	ØP	L	B	WEIGHT (g)	BOX (EA)
PPF 5/32	5/32	10.5	18.7	15.3	2.0	100
PPF 3/16	3/16	11.5	18.8	15.8	2.0	100
PPF 1/4	1/4	13.0	19.9	16.8	3.0	100
PPF 5/16	5/16	14.5	21.5	18.4	4.0	100
PPF 3/8	3/8	17.5	22.8	20.1	7.0	100
PPF 1/2	1/2	21.0	26.0	23.1	10.0	50



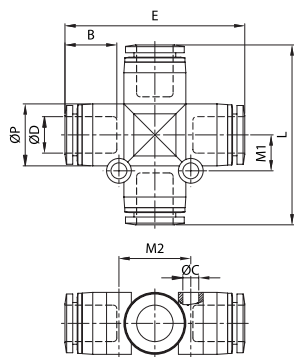
PZA

Metric



MODEL	ØD	ØP	L	E	ØC	B	M1	M2	ORIFICE	WEIGHT (g)	BOX (EA)
PZA 04	4	10.5	37.2	35.5	3.3	14.8	6.4	12.8	3.0	9.0	50
PZA 06	6	12.5	42.1	41.4	3.3	16.4	7.5	15.0	5.0	12.0	50
PZA 08	8	15.0	46.6	44.7	4.2	18.3	9.1	18.2	6.8	18.0	25
PZA 10	10	17.5	50.8	48.5	4.3	19.7	10.2	20.3	8.0	24.0	25
PZA 12	12	20.5	57.7	55.3	4.3	22.4	11.9	23.7	10.0	40.0	20

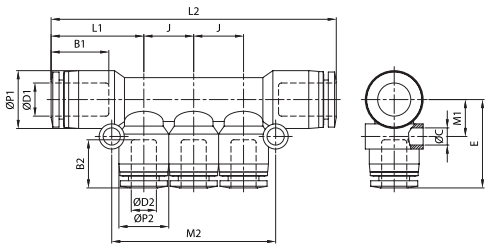
Inch



MODEL	ØD	ØP	L	E	ØC	B	M1	M2	ORIFICE	WEIGHT (g)	BOX (EA)
PZA 5/32	5/32	10.5	37.3	35.6	3.3	14.8	6.4	12.8	3.0	9.0	50
PZA 3/16	3/16	11.5	39.6	39.6	3.5	15.8	7.5	15.0	4.0	7.8	50
PZA 1/4	1/4	13.0	42.6	42.6	3.3	16.8	8.2	16.3	5.0	10.8	50
PZA 5/16	5/16	14.5	46.7	44.8	4.2	18.4	9.1	18.2	6.8	18.0	25
PZA 3/8	3/8	17.5	50.7	48.4	4.3	19.6	10.2	20.3	8.0	26.8	25
PZA 1/2	1/2	21.0	60.5	60.5	4.3	23.1	12.7	25.1	10.0	37.0	20

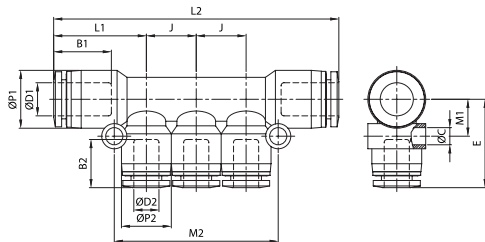
PKG

Metric



MODEL	ØD1	ØD2	ØP1	ØP2	L1	L2	E	ØC	B1	B2	J	M1	M2	ORIFICE	WEIGHT (g)	BOX (EA)
PKG 0604	6	4	12.5	10.5	21.1	63.1	19.5	3.3	16.4	14.8	10.5	7.6	34.0	3.0	14.0	25
PKG 0804	8	4	14.5	10.5	22.3	65.5	20.7	4.3	18.3	14.8	10.5	9.2	34.8	3.0	16.0	25
PKG 0806	8	6	14.5	12.5	23.3	71.5	22.2	4.3	18.3	16.4	12.5	9.3	41.1	5.0	19.0	25
PKG 1006	10	6	17.5	12.5	26.7	78.4	22.8	4.3	20.2	16.4	12.5	9.5	41.7	5.0	25.0	25
PKG 1008	10	8	17.5	14.5	27.4	83.7	25.7	4.3	20.2	18.3	14.5	9.5	47.0	6.8	29.0	25

Inch



MODEL	ØD1	ØD2	ØP1	ØP2	L1	L2	E	ØC	B1	B2	J	M1	M2	ORIFICE	WEIGHT (g)	BOX (EA)
PKG 3/16-5/32	3/16	5/32	11.5	10.5	19.7	60.4	20.4	4.5	15.8	14.8	10.5	8.0	36.0	3.2	24.1	25
PKG 1/4-5/32	1/4	5/32	13.0	10.5	20.3	61.6	20.4	4.5	16.8	14.8	10.5	8.8	36.0	3.2	24.1	25
PKG 5/16-5/32	5/16	5/32	14.5	10.5	22.3	65.6	20.8	4.3	18.4	14.8	10.5	9.2	34.8	3.0	49.1	25
PKG 5/16-3/16	5/16	3/16	14.5	11.5	22.5	67.9	21.6	4.5	18.4	15.8	11.5	9.7	39.0	4.0	48.8	25
PKG 5/16-1/4	5/16	1/4	14.5	13.0	23.0	71.9	22.7	4.5	18.4	16.8	13.0	9.7	43.5	4.8	48.8	25
PKG 3/8-1/4	3/8	1/4	17.5	13.0	24.1	74.2	23.4	4.5	20.1	16.8	13.0	11.0	43.5	4.8	53.3	25
PKG 3/8-5/16	3/8	5/16	17.5	14.5	27.3	83.6	25.7	4.3	20.1	18.4	14.5	9.5	47.0	6.8	53.3	25

ONE-TOUCH FITTINGS

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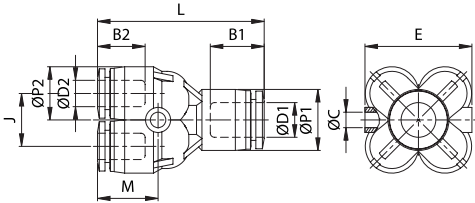
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PXG

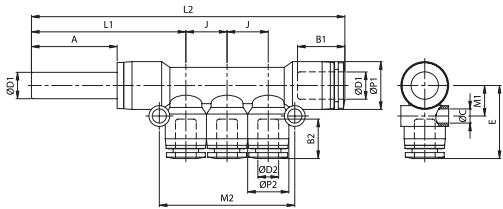
Metric



MODEL	ØD1	ØD2	ØP1	ØP2	L	E	J	ØC	B1	B2	M	ORIFICE	WEIGHT (g)	BOX (EA)
PXG 0604	6	4	12.8	10.5	35.7	21.2	10.6	3.3	16.4	15.3	13.9	2.4	13.0	50
PXG 0806	8	6	14.6	12.8	39.9	25.6	12.7	3.3	18.3	16.4	15.5	4.0	18.0	25

PKJ

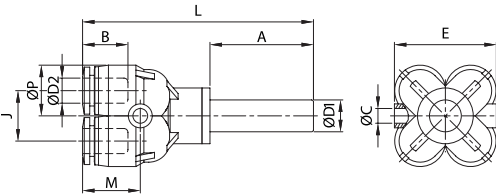
Metric



MODEL	ØD1	ØD2	ØP1	ØP2	L1	L2	E	ØC	A	B1	B2	J	M1	M2	ORIFICE	WEIGHT (g)	BOX (EA)
PKJ 0604	6	4	12.5	10.5	44.1	86.1	19.5	3.3	25.0	16.4	14.8	10.5	7.6	34.0	3.0	17.0	25
PKJ 0804	8	4	14.5	10.5	45.9	89.1	20.7	4.3	26.0	18.3	14.8	10.5	9.2	34.8	3.0	17.0	25
PKJ 0806	8	6	14.5	12.5	46.9	95.1	22.2	4.3	26.0	18.3	16.4	12.5	9.3	41.1	5.0	19.0	25
PKJ 1006	10	6	17.5	12.5	52.2	103.9	22.8	4.3	28.0	20.2	16.4	12.5	9.5	41.7	5.0	30.0	20
PKJ 1008	10	8	17.5	14.5	52.8	109.2	25.7	4.3	28.0	20.2	18.3	14.5	9.5	47.0	6.8	33.0	20

PXJ

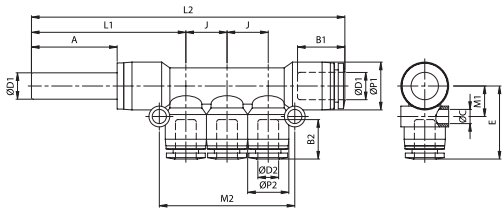
Metric



MODEL	ØD1	ØD2	ØP	L	E	J	ØC	A	B	M	ORIFICE	WEIGHT (g)	BOX (EA)
PXJ 0604	6	4	10.5	55.7	21.2	10.6	3.3	25.0	15.3	13.9	2.4	13.0	25
PXJ 0806	8	6	12.8	58.0	25.6	12.7	3.3	26.0	16.4	15.5	4.0	18.0	25

Inch

MODEL	ØD1	ØD2	ØP1	ØP2	L1	L2	E	ØC	A	B1	B2	J	M1	M2	ORIFICE	WEIGHT (g)	BOX (EA)
PKJ 3/16-5/32	3/16	5/32	11.5	10.5	41.6	82.3	20.4	4.5	24.0	15.8	14.8	10.5	8.0	36.0	2.6	24.1	25
PKJ 1/4-5/32	1/4	5/32	13.0	10.5	43.0	84.3	20.4	4.5	25.0	16.8	14.8	10.5	8.8	36.0	3.2	24.1	25
PKJ 5/16-5/32	5/16	5/32	14.5	10.5	45.9	89.2	20.8	4.3	26.0	18.4	14.8	10.5	9.2	34.8	3.0	37.1	25
PKJ 5/16-3/16	5/16	3/16	14.5	11.5	46.0	91.5	21.6	4.5	26.0	18.4	15.8	11.5	9.7	39.0	4.0	36.8	25
PKJ 5/16-1/4	5/16	1/4	14.5	13.0	46.5	95.5	22.7	4.5	26.0	18.4	16.8	13.0	9.7	43.5	4.8	36.8	25
PKJ 3/8-1/4	3/8	1/4	17.5	13.0	49.6	99.7	23.4	4.5	28.0	20.1	16.8	13.0	11.0	43.5	4.8	48.3	20
PKJ 3/8-5/16	3/8	5/16	17.5	14.5	52.8	109.1	25.7	4.3	28.0	20.1	18.4	14.5	9.5	47.0	6.8	48.3	20



Compact One-Touch Fittings



Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Speed Controller with Pilot Check Valves
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings (Brass)

METRIC - BSPT(R)

page Model	98 PC-C	100 PCF-C	102 POC-C	104 PL-C	106 PLL-C	108 PT-C
	110 PST-C	112 PMM-C	113 PUC-C	113 PUL-C	114 PUT-C	115 PG-C
	116 PY-C	117 PW-C	118 PGJ-C	119 PP-C		

METRIC - BSPP(G)

page Model	98 PC-G-C	106 PL-G-C			

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Compact One-Touch Fittings

용도 Applications

- 협소한 공간의 공기압배관에 사용하는 초소형 원터치식 관 연결구입니다.
- 사용자의 환경에 따라서 다양하게 사용할 수 있습니다.

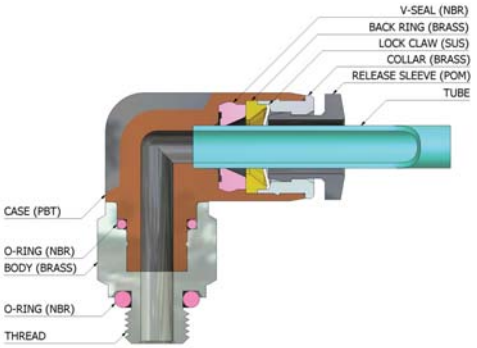
특징 Features

- 한 번의 동작으로 튜브를 밀어넣어 손쉽게 탈착할 수 있습니다.
- 일반타입에 비해 체적과 외경은 소형화되고 유량은 동일하게 얻을 수 있습니다.
- 니켈도금으로 표면처리가 되어 있어 내부식성이 뛰어납니다.
- 타원형 슬리브는 협소한 공간에서도 튜브의 탈착이 편리하도록 설계되어 있습니다.
- 나사부에는 오링 및 테프론 처리가 되어 있습니다.
- 일반 원터치피팅에 비해 최소형화된 피팅이므로 소형기기 및 협소한 공간의 배관에 적합한 피팅입니다.

사양 Specifications

- 사용유체 Fluid type : 압축공기 Air(No other gases or liquids) Do not use with water application
- 사용압력Working pressure : 0~150PSI / 0~9.9kgf/cm²(0~990kPa)
※적용Tube와의 조합에 있어서 Tube의 최고사용압력에 의거합니다
- 부압 Negative pressure : -29.5 in Hg / -750mmHg(750Torr)
- 사용온도범위 Working temperature : 32~140° F / 0~60° C
- 사용호스종류 Applicable Tube: Polyurethane and Nylon

Structural Diagram



사용예

- 콤팩트피팅 전 제품은 황동바디에 니켈도금으로 처리되어 있어 내부식성이 뛰어납니다
- 슬리브가 타원형로 설계되어 탈부착이 용이합니다.

POC Models

- 본체 내부에 육각구멍이 가공되어 있어서 육각렌치로 취부를 할 수 있습니다.
- POC 제품은 본체 외부가 원형으로 되어 있어서 타공구로는 체결할 수 없습니다.

PL, PLL Models

- 플라스틱 본체가 회전되는 구조로서 튜브의 배관이 효율적입니다.

⚠ 주의사항

- 사용하기 전에 반드시 안전상의 주의 및 경고표시의 분류방법(P9)과 피팅제품의 공통적 주의사항(P10)을 참조하여 주십시오.
- 피팅의 체결 적정 토크를 참조하여 조립하시기 바랍니다. (p9)
- 기준으로는 손으로 체결한 후 공구로 2 - 3회전 하는 것에 해당합니다. 너무 세게 조립할 경우 나사가 파손됨으로 주의 하십시오.
- 피팅의 튜브 장착 시 튜브의 절단면이 직각으로 절단하여 속까지 끼운 후에 튜브를 가볍게 당겨 빠지지 않는지 확인하십시오.

⚠ 경고사항

- 몸체나 휘팅부에 충격공구에 의한 비틀림, 타격을 피하십시오. 제품파손이나 에어누설의 원인이 됩니다.
 - 사용유체가 물일때 사양에 명기되어 있는 조건을 모두 만족시키지 못할 경우에는 사용을 자제하여 주십시오.
- 피팅의 파손, 튜브빠짐, 압축공기 누설의 원인이 됩니다.

주문형식 Product Code System

METRIC - BSPT(R)

Compact OneTouch Fitting	Tube Dia		Thread Size		Compact
	CODE	SIZE	METRIC THREAD		
PC 06-01-C	03	Ø3	CODE	SIZE	Nickel
	04	Ø4	M3	M3×0.5	
	06	Ø6	M5	M5×0.8	
			M6	M6×1.0	
			R(PT) THREAD		Sleeve Color
	CODE	SIZE			
	01		R1/8		Black

METRIC - BSPP(G)

Compact OneTouch Fitting	Tube Dia		Thread Size		Sleeve Color
	CODE	SIZE	G(PF) THREAD		
PC 06-G01-C	04	Ø4	CODE	SIZE	Black
	06	Ø6	G01	G1/8	

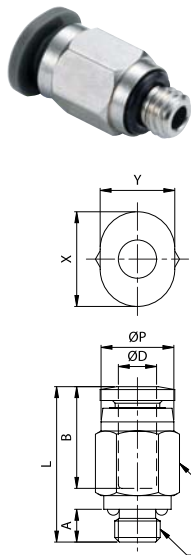
INCH - BSPT(R)

Compact OneTouch Fitting	Tube Dia		Thread Size		Compact
	CODE	SIZE	METRIC THREAD		
PC 1/4-01-C	1/8	Ø1/8	CODE	SIZE	Nickel
	5/32	Ø5/32	M3	M3×0.5	
	1/4	Ø1/4	M5	M5×0.8	
			M6	M6×1.0	
			R(PT) THREAD		Sleeve Color
	CODE	SIZE			
	01		R1/8		Black

INCH - NPT

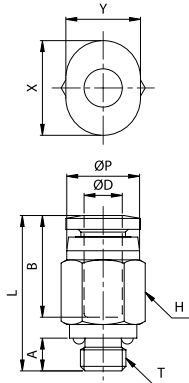
Compact OneTouch Fitting	Tube Dia		Thread Size		Sleeve Color
	CODE	SIZE	UNF THREAD		
PC 1/4-N1-C	1/8	Ø1/8	CODE	SIZE	Black
	5/32	Ø5/32	U	10-32UNF	
	1/4	Ø1/4			
			NPT THREAD		
	CODE	SIZE			
	N0		NPT1/16		
	N1		NPT1/8		

PC-C
Metric-BSPT(R)



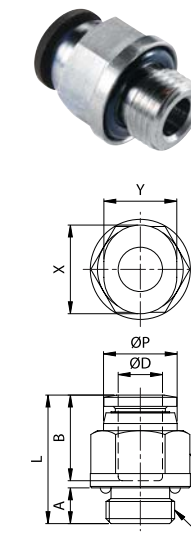
MODEL	ØD	ØP	T	L	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PC 03-M3C	3	7.0	M3×0.5p	16.1	3.0	11.2	7	9.2	7.2	1.5	3.0	100
PC 03-M5C	3	7.2	M5×0.8p	16.3	3.6	11.2	8	9.2	7.2	2.0	4.0	100
PC 03-M6C	3	7.2	M6×1.0p	16.7	4.1	11.2	8	9.2	7.2	2.0	4.0	100
PC 03-01C	4	7.2	R 1/8	16.9	8.0	11.7	10	9.2	7.2	2.0	5.0	100
PC 04-M3C	4	8.0	M3×0.5p	16.8	3.0	11.7	8	10.4	8.2	1.5	4.0	100
PC 04-M5C	4	8.0	M5×0.8p	17.1	3.6	11.7	8	10.4	8.2	2.5	4.0	100
PC 04-M6C	4	8.0	M6×1.0p	17.7	4.1	11.7	8	10.4	8.2	3.0	4.0	100
PC 04-01C	6	8.0	R 1/8	16.7	8.0	11.7	10	10.4	8.2	3.0	6.0	100
PC 06-M5C	6	10.0	M5×0.8p	18.6	3.6	12.7	10	12.4	10.2	2.5	5.0	100
PC 06-M6C	6	10.0	M6×1.0p	18.9	4.1	12.7	10	12.4	10.2	3.0	6.0	100
PC 06-01C	6	10.0	R 1/8	18.9	8.0	12.7	10	12.4	10.2	5.0	7.0	100

Inch-NPT



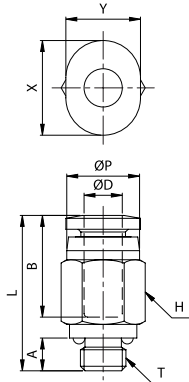
MODEL	ØD	ØP	T	L	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PC 1/8-UC	1/8	7.2	UNF 10/32	16.4	3.6	11.3	5/16	9.2	7.2	2.0	2.0	100
PC 1/8-N0C	1/8	7.2	NPT 1/16	18.0	8.0	11.3	5/16	9.2	7.2	2.5	4.0	100
PC 1/8-N1C	1/8	7.2	NPT 1/8	17.5	8.5	11.3	7/16	9.2	7.2	2.5	6.0	100
PC 1/8-N2C	1/8	7.2	NPT 1/4	21.5	10.5	11.3	9/16	9.2	7.2	2.5	15.0	100
PC 5/32-UC	5/32	8.0	UNF 10/32	16.9	3.6	11.7	5/16	10.4	8.2	2.5	3.0	100
PC 5/32-N0C	5/32	8.0	NPT 1/16	18.9	8.0	11.7	5/16	10.4	8.2	3.0	5.0	100
PC 5/32-N1C	5/32	8.0	NPT 1/8	17.9	8.5	11.7	7/16	10.4	8.2	3.0	9.0	100
PC 1/4-UC	1/4	10.5	UNF 10/32	18.9	3.6	13.0	7/16	12.8	10.8	2.5	10.0	100
PC 1/4-N0C	1/4	10.5	NPT 1/16	22.0	8.0	13.0	7/16	12.8	10.8	4.0	15.0	100
PC 1/4-N1C	1/4	10.5	NPT 1/8	19.5	8.5	13.0	7/16	12.8	10.8	5.0	18.0	100

PC-G-C
Metric-BSPP(G)



MODEL	ØD	ØP	T	L	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PC 04-G01C	4	8.25	G 1/8	17.4	5.0	11.7	12	10.4	8.2	3.0	8.0	100
PC 06-G01C	6	10.3	G 1/8	17.9	5.0	12.7	12	12.4	10.2	5.0	9.0	100

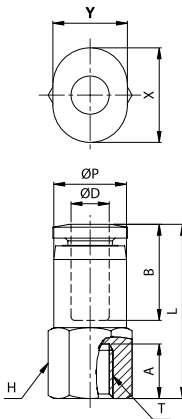
Inch-BSPT(R)



MODEL	ØD	ØP	T	L	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PC 1/8-M3C	1/8	7.0	M3×0.5p	16.1	3.0	11.2	7	9.2	7.2	1.5	1.0	100
PC 1/8-M5C	1/8	7.2	M5×0.8p	16.3	3.6	11.2	8	9.2	7.2	2.0	3.0	100
PC 1/8-M6C	1/8	7.2	M6×1.0p	16.7	4.1	11.2	8	9.2	7.2	2.0	3.0	100
PC 1/8-01C	1/8	7.2	R 1/8	16.9	8.0	11.2	10	9.2	7.2	2.0	4.0	100
PC 5/32-M3C	5/32	8.0	M3×0.5p	16.8	3.0	11.7	8	10.4	8.2	1.5	3.0	100
PC 5/32-M5C	5/32	8.0	M5×0.8p	17.1	3.6	11.7	8	10.4	8.2	2.5	3.0	100
PC 5/32-M6C	5/32	8.0	M6×1.0p	17.7	4.1	11.7	8	10.4	8.2	3.0	3.0	100
PC 5/32-01C	5/32	8.0	R 1/8	16.7	8.0	11.7	10	10.4	8.2	3.0	6.0	100
PC 1/4-M5C	1/4	10.5	M5×0.8p	18.9	3.6	13.0	11	12.8	10.8	2.5	10.0	100
PC 1/4-M6C	1/4	10.5	M6×1.0p	19.4	4.1	13.0	11	12.8	10.8	3.0	15.0	100
PC 1/4-01C	1/4	10.5	R 1/8	19.3	8.0	13.0	11	12.8	10.8	5.0	18.0	100

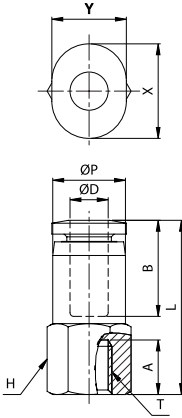
PCF-C

Metric-BSPT(R)



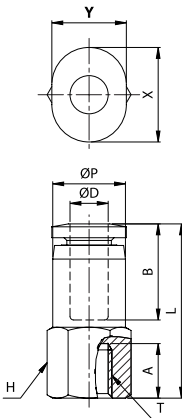
MODEL	ØD	ØP	T	L	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PCF 03-M3C	3	7.5	M3×0.5p	16.2	4.0	11.2	8	9.2	7.2	2.5	2.5	100
PCF 03-M5C	3	7.5	M5×0.8p	18.7	6.0	11.2	8	9.2	7.2	2.5	2.5	100
PCF 03-M6C	3	7.5	M6×1.0p	18.7	6.0	11.2	8	9.2	7.2	2.5	2.5	100
PCF 04-M3C	4	8.0	M3×0.5p	17.7	4.0	11.7	8	10.4	8.2	2.5	2.5	100
PCF 04-M5C	4	8.0	M5×0.8p	19.2	6.0	11.7	8	10.4	8.2	3.0	3.0	100
PCF 04-M6C	4	8.0	M6×1.0p	19.2	6.0	11.7	8	10.4	8.2	3.0	3.0	100
PCF 04-01C	4	8.0	Rc 1/8	22.7	8.5	11.7	12	10.4	8.2	3.0	3.0	100
PCF 06-M5C	6	10.0	M5×0.8p	19.7	6.0	12.7	10	12.4	10.2	4.0	4.0	100
PCF 06-M6C	6	10.0	M6×1.0p	19.7	6.0	12.7	10	12.4	10.2	4.0	4.0	100
PCF 06-01C	6	10.0	Rc 1/8	23.7	8.5	12.7	12	12.4	10.2	4.0	4.0	100

Inch-NPT



MODEL	ØD	ØP	T	L	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PCF 1/8-UC	1/8	7.5	UNF 10/32	18.8	6.0	11.3	5/16	9.2	7.2	2.5	2.0	100
PCF 1/8-N0C	1/8	7.5	NPT 1/16	20.5	8.0	11.3	13/32	9.2	7.2	2.5	3.0	100
PCF 1/8-N1C	1/8	7.5	NPT 1/8	22.5	8.5	11.3	7/16	9.2	7.2	2.5	3.0	100
PCF 1/8-N2C	1/8	7.5	NPT 1/4	25.3	11.5	11.3	11/16	9.2	7.2	2.5	7.0	100
PCF 5/32-UC	5/32	8.0	UNF 10/32	19.2	6.0	11.7	5/16	10.4	8.2	3.0	5.0	100
PCF 5/32-N0C	5/32	8.5	NPT 1/16	21.2	8.0	11.7	13/32	10.4	8.2	3.0	6.0	100
PCF 5/32-N1C	5/32	8.5	NPT 1/8	22.8	8.5	11.7	7/16	10.4	8.2	3.0	6.0	100
PCF 1/4-UC	1/4	10.5	UNF 10/32	20.5	6.0	13.0	7/16	12.8	10.8	3.0	6.0	100
PCF 1/4-N0C	1/4	10.5	NPT 1/16	22.5	8.0	13.0	7/16	12.8	10.8	5.0	7.0	100
PCF 1/4-N1C	1/4	10.5	NPT 1/8	23.8	8.5	13.0	7/16	12.8	10.8	5.0	8.0	100

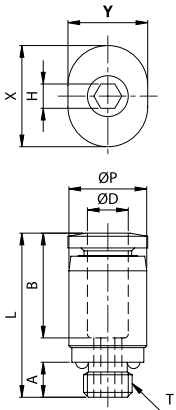
Inch-BSPT(R)



MODEL	ØD	ØP	T	L	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PCF 1/8-M3C	1/8	7.5	M3×0.5p	16.2	4.0	11.2	8	9.2	7.2	2.5	4.0	100
PCF 1/8-M5C	1/8	7.5	M5×0.8p	18.7	6.0	11.2	8	9.2	7.2	2.5	4.0	100
PCF 1/8-M6C	1/8	7.5	M6×1.0p	18.7	6.0	11.2	8	9.2	7.2	2.5	5.0	100
PCF 1/8-01C	1/8	7.5	Rc 1/8	22.4	8.5	11.2	11	9.2	7.2	2.5	3.0	100
PCF 5/32-M3C	5/32	8.0	M3×0.5p	17.7	4.0	11.7	8	10.4	8.2	2.5	4.0	100
PCF 5/32-M5C	5/32	8.0	M5×0.8p	19.2	6.0	11.7	8	10.4	8.2	3.0	4.0	100
PCF 5/32-M6C	5/32	8.0	M6×1.0p	19.2	6.0	11.7	8	10.4	8.2	3.0	5.0	100
PCF 5/32-01C	5/32	8.5	Rc 1/8	22.7	8.5	11.7	12	10.4	8.2	3.0	7.0	100
PCF 1/4-M5C	1/4	10.5	M5×0.8p	20.5	6.0	13.0	10	12.8	10.8	3.0	6.0	100
PCF 1/4-M6C	1/4	10.5	M6×1.0p	22.5	6.0	13.0	10	12.8	10.8	5.0	7.0	100
PCF 1/4-01C	1/4	10.5	Rc 1/8	23.8	8.5	13.0	12	12.8	10.8	5.0	8.0	100

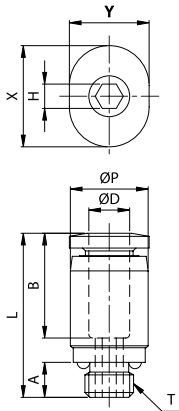
POC-C

Metric-BSPT(R)



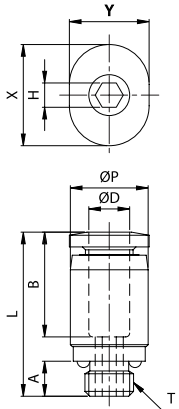
MODEL	ØD	ØP	T	L	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
POC 03-M3C	3	7.0	M3×0.5p	16.1	3.0	11.2	1.5	9.2	7.2	1.5	2.0	100
POC 03-M5C	3	7.0	M5×0.8p	16.3	3.6	11.2	2.0	9.2	7.2	2.0	2.0	100
POC 03-M6C	3	8.0	M6×1.0p	16.7	4.1	11.2	2.0	9.2	7.2	2.0	4.0	100
POC 04-M3C	4	8.0	M3×0.5p	16.8	3.0	11.7	1.5	10.4	8.2	1.5	3.0	100
POC 04-M5C	4	8.0	M5×0.8p	16.9	3.6	11.7	2.5	10.4	8.2	2.5	4.0	100
POC 04-M6C	4	8.0	M6×1.0p	17.2	4.1	11.7	3.0	10.4	8.2	3.0	4.0	100
POC 04-01C	4	10.0	R 1/8	15.7	8.0	11.7	3.0	10.4	8.2	3.0	5.0	100
POC 06-M5C	6	10.0	M5×0.8p	18.6	3.6	12.7	2.5	12.4	10.2	2.5	5.0	100
POC 06-M6C	6	10.0	M6×1.0p	18.6	4.1	12.7	3.0	12.4	10.2	3.0	5.0	100
POC 06-01C	6	10.0	R 1/8	18.9	8.0	12.7	4.0	12.4	10.2	4.0	6.0	100

Inch-NPT



MODEL	ØD	ØP	T	L	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
POC 1/8-UC	1/8	7.0	UNF 10/32	16.4	3.6	11.3	3/32	9.2	7.2	2.4	2.0	100
POC 1/8-N0C	1/8	8.0	NPT 1/16	18.0	8.0	11.3	3/32	9.2	7.2	2.4	5.0	100
POC 1/8-N1C	1/8	11.0	NPT 1/8	16.3	8.5	11.3	3/32	9.2	7.2	2.4	6.0	100
POC 5/32-UC	5/32	8.0	UNF 10/32	17.0	3.6	11.7	3/32	10.4	8.2	2.4	3.0	100
POC 5/32-N0C	5/32	8.0	NPT 1/16	18.9	8.0	11.7	3/32	10.4	8.2	2.4	4.0	100
POC 5/32-N1C	5/32	11.0	NPT 1/8	16.2	8.5	11.7	3/32	10.4	8.2	2.4	9.0	100
POC 1/4-UC	1/4	10.5	UNF 10/32	19.0	3.6	13.0	3/32	12.8	10.8	2.4	12.0	100
POC 1/4-N0C	1/4	10.5	NPT 1/16	22.0	8.0	13.0	5/32	12.8	10.8	4.0	16.0	100
POC 1/4-N1C	1/4	10.5	NPT 1/8	19.5	8.5	13.0	5/32	12.8	10.8	4.0	18.0	100

Inch-BSPT(R)



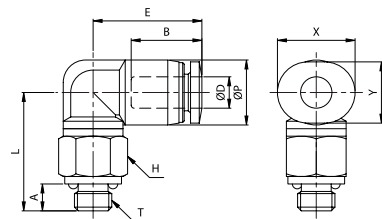
MODEL	ØD	ØP	T	L	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
POC 1/8-M3C	1/8	7.0	M3×0.5p	16.1	3.0	11.2	1.5	9.2	7.2	1.5	2.0	100
POC 1/8-M5C	1/8	7.0	M5×0.8p	16.3	3.6	11.2	2.0	9.2	7.2	2.0	4.0	100
POC 1/8-M6C	1/8	8.0	M6×1.0p	16.7	4.1	11.2	2.0	9.2	7.2	2.0	4.0	100
POC 1/8-01C	1/8	10.0	R 1/8	15.7	8.0	11.2	2.0	9.2	7.2	2.0	6.0	100
POC 5/32-M3C	5/32	8.0	M3×0.5p	16.8	3.0	11.7	1.5	10.4	8.2	1.5	3.0	100
POC 5/32-M5C	5/32	8.0	M5×0.8p	16.9	3.6	11.7	2.5	10.4	8.2	2.5	4.0	100
POC 5/32-M6C	5/32	8.0	M6×1.0p	17.2	4.1	11.7	3.0	10.4	8.2	3.0	4.0	100
POC 5/32-01C	5/32	10.0	R 1/8	15.7	8.0	11.7	3.0	10.4	8.2	3.0	6.0	100
POC 1/4-M5C	1/4	10.5	M5×0.8p	18.9	3.6	13.0	2.5	12.8	10.8	2.5	12.0	100
POC 1/4-M6C	1/4	10.5	M6×1.0p	19.3	4.0	13.0	2.5	12.8	10.8	2.5	16.0	100
POC 1/4-01C	1/4	10.5	R 1/8	19.3	8.0	13.0	4.0	12.8	10.8	4.0	18.0	100

PL-C

Metric-BSPT(R)

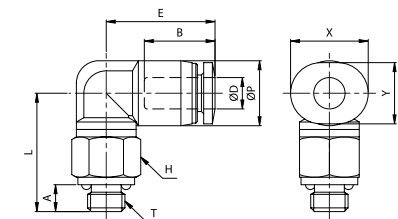


MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PL 03-M3C	3	7.6	M3×0.5p	14.7	13.5	3.0	11.3	8	9.2	7.2	1.5	4.0	100
PL 03-M5C	3	7.6	M5×0.8p	15.3	13.5	3.6	11.3	8	9.2	7.2	2.5	4.0	100
PL 03-M6C	3	7.6	M6×1.0p	15.8	13.5	4.1	11.3	8	9.2	7.2	2.5	4.0	100
PL 04-M3C	4	8.7	M3×0.5p	15.3	14.6	3.0	11.8	8	10.4	8.2	1.5	4.0	100
PL 04-M5C	4	8.7	M5×0.8p	15.9	14.6	3.6	11.8	8	10.4	8.2	2.5	4.0	100
PL 04-M6C	4	8.7	M6×1.0p	16.4	14.6	4.1	11.8	8	10.4	8.2	3.0	4.0	100
PL 04-01C	4	8.7	R 1/8	16.4	14.6	8.0	11.8	10	10.4	8.2	3.0	7.0	100
PL 06-M5C	6	10.8	M5×0.8p	16.9	15.5	3.6	12.8	8	12.4	10.2	2.5	4.0	100
PL 06-M6C	6	10.8	M6×1.0p	17.4	15.5	4.1	12.8	8	12.4	10.2	3.0	5.0	100
PL 06-01C	6	10.8	R 1/8	17.4	15.5	8.0	12.8	10	12.4	10.2	3.0	7.0	100



Inch-NPT

MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PL 1/8-UC	1/8	7.6	UNF 10/32	15.3	13.5	3.6	11.3	5/16	9.2	7.2	2.5	2.0	100
PL 1/8-N0C	1/8	7.6	NPT 1/16	15.8	13.5	8.0	11.3	5/16	9.2	7.2	2.5	3.0	100
PL 1/8-N1C	1/8	7.6	NPT 1/8	15.8	13.5	8.5	11.3	7/16	9.2	7.2	2.5	5.0	100
PL 1/8-N2C	1/8	7.6	NPT 1/4	18.3	13.5	10.5	11.3	9/16	9.2	7.2	2.5	8.0	100
PL 5/32-UC	5/32	8.7	UNF 10/32	15.9	14.6	3.6	11.8	5/16	10.4	8.2	2.5	5.0	100
PL 5/32-N0C	5/32	8.7	NPT 1/16	16.4	14.6	8.0	11.8	5/16	10.4	8.2	3.0	5.0	100
PL 5/32-N1C	5/32	8.7	NPT 1/8	16.4	14.6	8.5	11.8	7/16	10.4	8.2	3.0	6.0	100
PL 1/4-UC	1/4	11.3	UNF 10/32	17.2	16.1	3.6	13.5	5/16	12.8	10.8	2.5	10.0	100
PL 1/4-N0C	1/4	11.3	NPT 1/16	17.7	16.1	8.0	13.5	5/16	12.8	10.8	3.0	12.0	100
PL 1/4-N1C	1/4	11.3	NPT 1/8	17.7	16.1	8.5	13.5	7/16	12.8	10.8	3.0	16.0	100

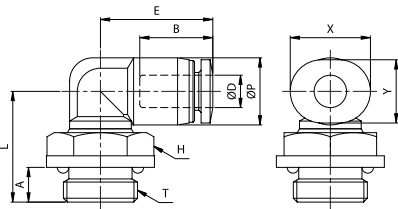


PL-G-C

Metric-BSPP(G)

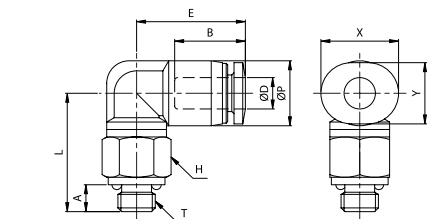


MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PL 04-G01C	4	8.7	G 1/8	14.4	14.6	4.5	11.8	14	10.4	8.2	3.0	7.0	100
PL 06-G01C	6	10.8	G 1/8	15.4	15.5	4.5	12.9	14	12.4	10.2	3.0	6.0	100



Inch-BSPT(R)

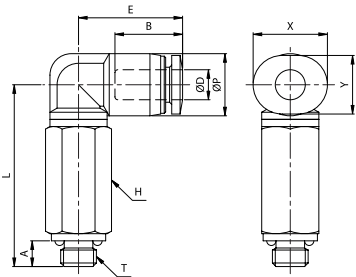
MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PL 1/8-M3C	1/8	7.6	M3×0.5p	14.7	13.5	3.0	11.3	8	9.2	7.2	1.5	2.0	100
PL 1/8-M5C	1/8	7.6	M5×0.8p	15.3	13.5	3.6	11.3	8	9.2	7.2	2.5	3.0	100
PL 1/8-M6C	1/8	7.6	M6×1.0p	15.8	13.5	4.1	11.3	8	9.2	7.2	2.5	3.0	100
PL 1/8-01C	1/8	7.6	R 1/8	15.8	13.5	8.0	11.3	10	9.2	7.2	2.5	9.0	100
PL 5/32-M3C	5/32	8.7	M3×0.5p	15.3	14.6	3.0	11.8	8	10.4	8.2	1.5	3.0	100
PL 5/32-M5C	5/32	8.7	M5×0.8p	15.9	14.6	3.6	11.8	8	10.4	8.2	2.5	3.0	100
PL 5/32-M6C	5/32	8.7	M6×1.0p	16.4	14.6	4.1	11.8	8	10.4	8.2	3.0	4.0	100
PL 5/32-01C	5/32	8.7	R 1/8	16.4	14.6	8.0	11.8	10	10.4	8.2	3.0	10.0	100
PL 1/4-M5C	1/4	11.3	M5×0.8p	17.2	16.1	3.6	13.5	8	12.8	10.8	2.5	10.0	100
PL 1/4-M6C	1/4	11.3	M6×1.0p	17.7	16.1	4.1	13.5	8	12.8	10.8	3.0	12.0	100
PL 1/4-01C	1/4	11.3	R 1/8	17.7	16.1	8.0	13.5	10	12.8	10.8	3.0	16.0	100



PLL-C
Metric-BSPT(R)

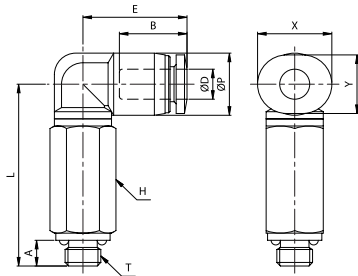


MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PLL 03-M3C	3	7.6	M3×0.5p	21.8	13.5	3.0	11.3	8	9.2	7.2	1.5	6.0	100
PLL 03-M5C	3	7.6	M5×0.8p	23.9	13.5	3.6	11.3	8	9.2	7.2	2.5	7.0	100
PLL 03-M6C	3	7.6	M6×1.0p	24.4	13.5	4.1	11.3	8	9.2	7.2	2.5	7.0	100
PLL 04-M3C	4	8.7	M3×0.5p	24.9	14.6	3.0	11.8	8	10.4	8.2	1.5	8.0	100
PLL 04-M5C	4	8.7	M5×0.8p	25.5	14.6	3.6	11.8	8	10.4	8.2	2.5	8.0	100
PLL 04-M6C	4	8.7	M6×1.0p	26.0	14.6	4.1	11.8	8	10.4	8.2	2.5	8.0	100
PLL 04-01C	4	8.7	R 1/8	29.4	14.6	8.0	11.8	10	10.4	8.2	3.0	13.0	100
PLL 06-M5C	6	10.8	M5×0.8p	28.4	15.5	3.6	12.8	8	12.4	10.2	2.5	9.0	100
PLL 06-M6C	6	10.8	M6×1.0p	28.9	15.5	4.1	12.8	8	12.4	10.2	2.5	9.0	100
PLL 06-01C	6	10.8	R 1/8	32.4	15.5	8.0	12.8	10	12.4	10.2	3.0	14.0	100



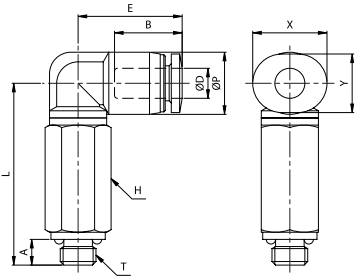
Inch-NPT

MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PLL 1/8-UC	1/8	7.6	UNF 10/32	23.9	13.5	3.6	11.3	5/16	9.2	7.2	2.5	8.0	100
PLL 1/8-N0C	1/8	7.6	NPT 1/16	24.4	13.5	8.0	11.3	5/16	9.2	7.2	2.5	9.0	100
PLL 1/8-N1C	1/8	7.6	NPT 1/8	24.4	13.5	8.5	11.3	7/16	9.2	7.2	2.5	11.0	100
PLL 5/32-UC	5/32	8.7	UNF 10/32	25.5	14.6	3.6	11.8	5/16	10.4	8.2	2.5	8.0	100
PLL 5/32-N0C	5/32	8.7	NPT 1/16	29.4	14.6	8.0	11.8	5/16	10.4	8.2	3.0	9.0	100
PLL 5/32-N1C	5/32	8.7	NPT 1/8	29.4	14.6	8.5	11.8	7/16	10.4	8.2	3.0	13.0	100
PLL 1/4-UC	1/4	11.3	UNF 10/32	28.7	16.1	3.6	13.5	5/16	12.4	10.2	2.5	9.0	100
PLL 1/4-N0C	1/4	11.3	NPT 1/16	32.7	16.1	8.0	13.5	5/16	12.4	10.2	3.0	11.0	100
PLL 1/4-N1C	1/4	11.3	NPT 1/8	32.7	16.1	8.5	13.5	7/16	12.4	10.2	3.0	14.0	100



Inch-BSPT(R)

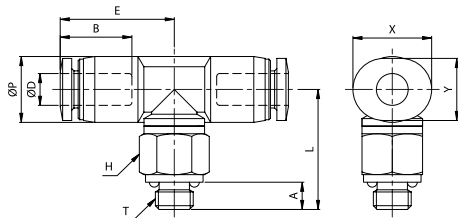
MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PLL 1/8-M3C	1/8	7.6	M3×0.5p	21.8	13.5	3.0	11.3	8	9.2	7.2	1.5	3.0	100
PLL 1/8-M5C	1/8	7.6	M5×0.8p	23.9	13.5	3.6	11.3	8	9.2	7.2	2.5	8.0	100
PLL 1/8-M6C	1/8	7.6	M6×1.0p	24.4	13.5	4.1	11.3	8	9.2	7.2	2.5	8.0	100
PLL 1/8-01C	1/8	7.6	R 1/8	28.8	13.5	8.0	11.3	10	9.2	7.2	2.5	12.0	100
PLL 5/32-M3C	5/32	8.7	M3×0.5p	24.9	14.6	3.0	11.8	8	10.4	8.2	1.5	7.0	100
PLL 5/32-M5C	5/32	8.7	M5×0.8p	25.5	14.6	3.6	11.8	8	10.4	8.2	2.5	8.0	100
PLL 5/32-M6C	5/32	8.7	M6×1.0p	26.0	14.6	4.1	11.8	8	10.4	8.2	2.5	8.0	100
PLL 5/32-01C	5/32	8.7	R 1/8	29.4	14.6	8.0	11.8	10	10.4	8.2	3.0	13.0	100
PLL 1/4-M5C	1/4	11.3	M5×0.8p	28.7	16.1	3.6	13.5	8	12.8	10.8	2.5	11.0	100
PLL 1/4-M6C	1/4	11.3	M6×1.0p	29.2	16.1	4.1	13.5	8	12.8	10.8	2.5	14.0	100
PLL 1/4-01C	1/4	11.3	R 1/8	32.7	16.1	8.0	13.5	10	12.8	10.8	3.5	18.0	100



PT-C
Metric-BSPT(R)

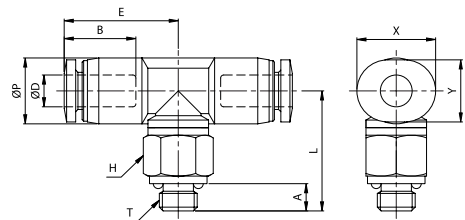


MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PT 03-M3C	3	7.6	M3×0.5p	14.7	14.5	3.0	11.3	8	9.2	7.2	1.5	4.0	100
PT 03-M5C	3	7.6	M5×0.8p	15.3	14.5	3.6	11.3	8	9.2	7.2	2.5	5.0	100
PT 03-M6C	3	7.6	M6×1.0p	15.8	14.5	4.1	11.3	8	9.2	7.2	2.5	5.0	100
PT 04-M3C	4	8.7	M3×0.5p	15.3	15.1	3.0	11.8	8	10.4	8.2	1.5	5.0	100
PT 04-M5C	4	8.7	M5×0.8p	15.9	15.1	3.6	11.8	8	10.4	8.2	2.5	5.0	100
PT 04-M6C	4	8.7	M6×1.0p	16.4	15.1	4.1	11.8	8	10.4	8.2	3.0	6.0	100
PT 04-01C	4	8.7	R 1/8	16.4	15.1	8.0	11.8	10	10.4	8.2	3.0	7.0	100
PT 06-M5C	6	10.8	M5×0.8p	16.9	16.0	3.6	12.8	8	12.4	10.2	2.5	7.0	100
PT 06-M6C	6	10.8	M6×1.0p	17.4	16.0	4.1	12.8	8	12.4	10.2	3.0	7.0	100
PT 06-01C	6	10.8	R 1/8	17.4	16.0	8.0	12.8	10	12.4	10.2	3.0	9.0	100



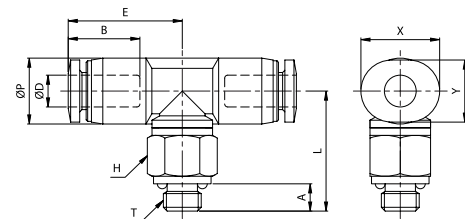
Inch-NPT

MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PT 1/8-UC	1/8	7.6	UNF 10/32	15.3	14.5	3.6	11.3	5/16	9.2	7.2	2.5	2.0	100
PT 1/8-N0C	1/8	7.6	NPT 1/16	15.8	14.5	8.0	11.3	5/16	9.2	7.2	2.5	3.0	100
PT 1/8-N1C	1/8	7.6	NPT 1/8	15.8	14.5	8.5	11.3	7/16	9.2	7.2	2.5	5.0	100
PT 5/32-UC	5/32	8.7	UNF 10/32	15.9	15.1	3.6	11.8	5/16	10.4	8.2	2.5	5.0	100
PT 5/32-N0C	5/32	8.7	NPT 1/16	16.4	15.1	8.0	11.8	5/16	10.4	8.2	3.0	5.0	100
PT 5/32-N1C	5/32	8.7	NPT 1/8	16.4	15.1	8.5	11.8	7/16	10.4	8.2	3.0	6.0	100
PT 1/4-UC	1/4	11.3	UNF 10/32	17.2	16.1	3.6	13.5	5/16	12.8	10.8	2.5	10.0	100
PT 1/4-N0C	1/4	11.3	NPT 1/16	17.7	16.1	8.0	13.5	5/16	12.8	10.8	3.0	12.0	100
PT 1/4-N1C	1/4	11.3	NPT 1/8	17.7	16.1	8.5	13.5	7/16	12.8	10.8	3.0	16.0	100



Inch-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PT 1/8-M3C	1/8	7.6	M3×0.5p	14.7	14.5	3.0	11.3	8	9.2	7.2	1.5	2.0	100
PT 1/8-M5C	1/8	7.6	M5×0.8p	15.3	14.5	3.6	11.3	8	9.2	7.2	2.5	3.0	100
PT 1/8-M6C	1/8	7.6	M6×1.0p	15.8	14.5	4.1	11.3	8	9.2	7.2	2.5	4.0	100
PT 1/8-01C	1/8	7.6	R 1/8	15.8	14.5	8.0	11.3	10	9.2	7.2	2.5	6.0	100
PT 5/32-M3C	5/32	8.7	M3×0.5p	15.3	15.1	3.0	11.8	8	10.4	8.2	1.5	4.0	100
PT 5/32-M5C	5/32	8.7	M5×0.8p	15.9	15.1	3.6	11.8	8	10.4	8.2	2.5	4.0	100
PT 5/32-M6C	5/32	8.7	M6×1.0p	16.4	15.1	4.1	11.8	8	10.4	8.2	3.0	5.0	100
PT 5/32-01C	5/32	8.7	R 1/8	16.4	15.1	8.0	11.8	10	10.4	8.2	3.0	7.0	100
PT 1/4-M5C	1/4	11.3	M5×0.8p	17.2	16.1	3.6	13.5	8	12.8	10.8	2.5	10.0	100
PT 1/4-M6C	1/4	11.3	M6×1.0p	17.7	16.1	4.1	13.5	8	12.8	10.8	3.0	12.0	100
PT 1/4-01C	1/4	11.3	R 1/8	17.7	16.1	8.0	13.5	10	12.8	10.8	3.0	16.0	100

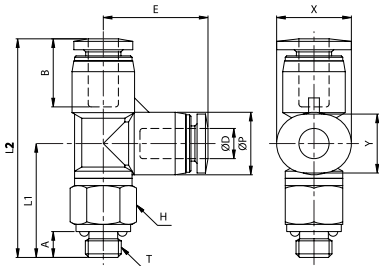


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PST-C
Metric-BSPT(R)

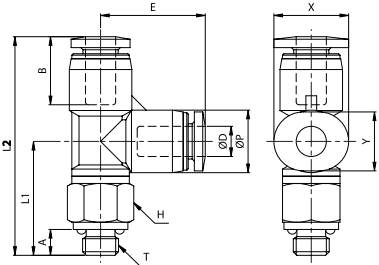


MODEL	ØD	ØP	T	L1	L2	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PST 03-M3C	3	7.6	M3×0.5p	14.7	28.3	13.6	3.0	11.3	8	9.2	7.2	1.5	4.0	100
PST 03-M5C	3	7.6	M5×0.8p	15.3	28.9	13.6	3.6	11.3	8	9.2	7.2	2.5	5.0	100
PST 03-M6C	3	7.6	M6×1.0p	15.8	29.4	13.6	4.1	11.3	8	9.2	7.2	2.5	5.0	100
PST 04-M3C	4	8.7	M3×0.5p	15.3	29.8	14.6	3.0	11.8	8	10.4	8.2	1.5	5.0	100
PST 04-M5C	4	8.7	M5×0.8p	15.9	30.4	14.6	3.6	11.8	8	10.4	8.2	2.5	6.0	100
PST 04-M6C	4	8.7	M6×1.0p	16.4	30.9	14.6	4.1	11.8	8	10.4	8.2	3.0	6.0	100
PST 04-01C	4	8.7	R 1/8	16.4	30.9	14.6	8.0	11.8	10	10.4	8.2	3.0	9.0	100
PST 06-M5C	6	10.8	M5×0.8p	16.9	33.4	16.5	3.6	12.8	8	12.4	10.2	2.5	7.0	100
PST 06-M6C	6	10.8	M6×1.0p	17.4	33.9	16.5	4.1	12.8	8	12.4	10.2	3.0	7.0	100
PST 06-01C	6	10.8	R 1/8	17.4	33.9	16.5	8.0	12.8	10	12.4	10.2	3.0	10.0	100



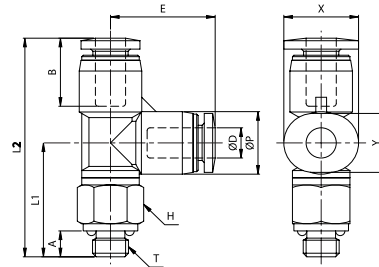
Inch-NPT

MODEL	ØD	ØP	T	L1	L2	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PST 1/8-UC	1/8	7.6	UNF 10/32	15.3	28.9	13.6	3.6	11.3	5/16	9.2	7.2	2.5	2.0	100
PST 1/8-N0C	1/8	7.6	NPT 1/16	15.8	29.4	13.6	8.0	11.3	5/16	9.2	7.2	2.5	3.0	100
PST 1/8-N1C	1/8	7.6	NPT 1/8	15.8	29.4	13.6	8.5	11.3	7/16	9.2	7.2	2.5	5.0	100
PST 5/32-UC	5/32	8.7	UNF 10/32	15.9	30.4	14.6	3.6	11.8	5/16	10.4	8.2	2.5	5.0	100
PST 5/32-N0C	5/32	8.7	NPT 1/16	16.4	30.9	14.6	8.0	11.8	5/16	10.4	8.2	3.0	5.0	100
PST 5/32-N1C	5/32	8.7	NPT 1/8	16.4	30.9	14.6	8.5	11.8	7/16	10.4	8.2	3.0	6.0	100
PST 1/4-UC	1/4	11.2	UNF 10/32	17.1	35.0	17.9	3.6	13.5	5/16	12.8	10.8	2.5	10.0	100
PST 1/4-N0C	1/4	11.2	NPT 1/16	17.6	35.5	17.9	8.0	13.5	5/16	12.8	10.8	3.0	12.0	100
PST 1/4-N1C	1/4	11.2	NPT 1/8	17.6	35.5	17.9	8.5	13.5	7/16	12.8	10.8	3.0	16.0	100



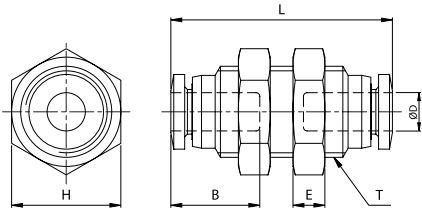
Inch-BSPT(R)

MODEL	ØD	ØP	T	L1	L2	E	A	B	H (Hex)	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PST 1/8-M3C	1/8	7.6	M3×0.5p	14.7	28.3	13.6	3.0	11.3	8	9.2	7.2	1.5	2.0	100
PST 1/8-M5C	1/8	7.6	M5×0.8p	15.3	28.9	13.6	3.6	11.3	8	9.2	7.2	2.5	3.0	100
PST 1/8-M6C	1/8	7.6	M6×1.0p	15.8	29.4	13.6	4.1	11.3	8	9.2	7.2	2.5	4.0	100
PST 1/8-01C	1/8	7.6	R 1/8	15.8	29.4	13.6	8.0	11.3	10	9.2	7.2	2.5	6.0	100
PST 5/32-M3C	5/32	8.7	M3×0.5p	15.3	29.8	14.6	3.0	11.8	8	10.4	8.2	1.5	4.0	100
PST 5/32-M5C	5/32	8.7	M5×0.8p	15.9	30.4	14.6	3.6	11.8	8	10.4	8.2	2.5	4.0	100
PST 5/32-M6C	5/32	8.7	M6×1.0p	16.4	30.9	14.6	4.1	11.8	8	10.4	8.2	3.0	5.0	100
PST 5/32-01C	5/32	8.7	R 1/8	16.4	30.9	14.6	8.0	11.8	10	10.4	8.2	3.0	7.0	100
PST 1/4-M5C	1/4	11.2	M5×0.8p	17.1	35.0	17.9	3.6	13.5	8	12.8	10.8	2.5	10.0	100
PST 1/4-M6C	1/4	11.2	M6×1.0p	17.6	35.5	17.9	4.1	13.5	8	12.8	10.8	3.0	12.0	100
PST 1/4-01C	1/4	11.2	R 1/8	17.6	35.5	17.9	8.0	13.5	10	12.8	10.8	3.5	16.0	100



PMM-C

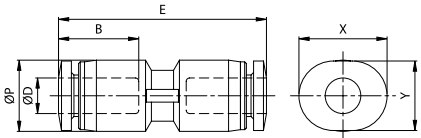
Metric



MODEL	ØD	T	L	E	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
PMM 03C	3	M8×0.75p	23.4	3.0	11.2	10	2.0	6.0	100
PMM 04C	4	M10×1.0p	24.3	3.5	11.7	12	3.0	10.0	100
PMM 06C	6	M12×1.0p	26.9	4	12.7	14	5.0	14.0	100

PUC-C

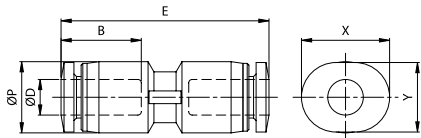
Metric



MODEL	ØD	ØP	E	B	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PUC 03C	3	7.5	23.6	11.3	9.2	7.2	2.4	3.0	100
PUC 04C	4	8.4	24.5	11.8	10.4	8.2	3.0	3.0	100
PUC 06C	6	10.6	26.6	12.8	12.4	10.2	4.0	3.0	100

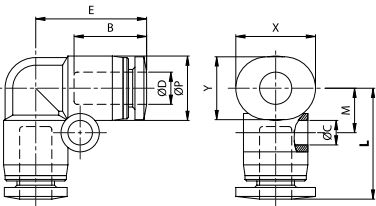
Inch

MODEL	ØD	ØP	E	B	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PUC 1/8C	1/8	7.5	23.6	11.3	9.2	7.2	2.4	1.0	100
PUC 5/32C	5/32	8.4	24.5	11.8	10.4	8.2	3.0	2.0	100
PUC 1/4C	1/4	11.2	28.6	13.5	12.8	10.8	5.0	3.0	100



PUL-C

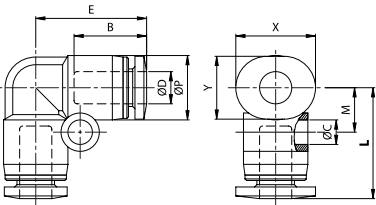
Metric



MODEL	ØD	ØP	L	E	ØC	B	M	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PUL 03C	3	7.5	13.5	13.5	3.2	11.3	5.4	9.2	7.2	2.4	2.0	100
PUL 04C	4	8.4	14.5	14.5	3.2	11.8	5.8	10.4	8.2	3.0	3.0	100
PUL 06C	6	10.6	16.5	16.5	3.2	12.8	6.9	12.4	10.2	4.0	3.0	100

Inch

MODEL	ØD	ØP	L	E	ØC	B	M	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PUL 1/8C	1/8	7.5	13.5	13.5	3.2	11.3	5.4	9.2	7.2	2.4	2.0	100
PUL 5/32C	5/32	8.4	14.5	14.5	3.2	11.8	5.8	10.4	8.2	3.0	3.0	100
PUL 1/4C	1/4	11.2	17.6	17.6	3.3	13.5	7.0	12.4	10.8	4.0	5.0	100

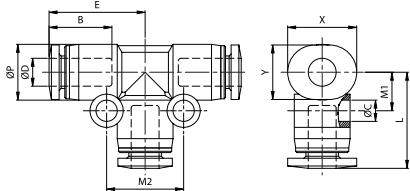


PUT-C

Metric

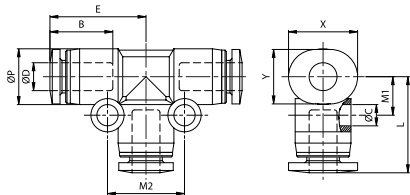


MODEL	ØD	ØP	L	E	ØC	B	M1	M2	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PUT 03C	3	7.5	13.5	13.5	3.2	11.3	5.4	10.7	9.2	7.2	2.4	3.0	100
PUT 04C	4	8.4	14.5	14.5	3.2	11.8	5.8	11.6	10.4	8.2	3.0	3.0	100
PUT 06C	6	10.6	16.5	16.5	3.2	12.8	6.9	13.8	12.4	10.2	4.0	6.0	100



Inch

MODEL	ØD	ØP	L	E	ØC	B	M1	M2	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PUT 03C	1/8	7.5	13.5	13.5	3.2	11.3	5.4	10.7	9.2	7.2	2.4	3.0	100
PUT 04C	5/32	8.4	14.5	14.5	3.2	11.8	5.8	11.6	10.4	8.2	3.0	4.0	100
PUT 06C	1/4	11.2	17.6	17.6	3.3	13.5	7.0	14.0	12.8	10.8	5.0	6.0	100

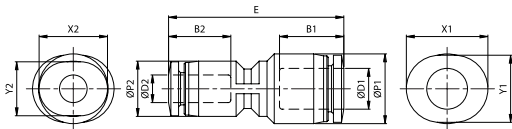


PG-C

Metric

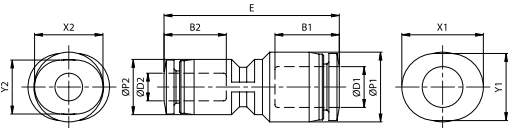


MODEL	ØD1	ØD2	ØP1	ØP2	E	B1	B2	X1	Y1	X2	Y2	ORIFICE	WEIGHT (g)	BOX (EA)
PG 04-03C	4	3	8.4	7.5	24.1	11.8	11.3	10.4	8.2	9.2	7.2	2.4	3.0	100
PG 06-03C	6	3	10.6	7.5	26.1	12.8	11.3	12.4	10.2	9.2	7.2	2.5	3.0	100
PG 06-04C	6	4	10.6	8.4	26.6	12.8	11.8	12.4	10.2	10.4	8.2	3.0	3.0	100



Inch

MODEL	ØD1	ØD2	ØP1	ØP2	E	B1	B2	X1	Y1	X2	Y2	ORIFICE	WEIGHT (g)	BOX (EA)
PG 5/32-1/8C	5/32	1/8	8.4	7.5	24.1	11.8	11.3	10.4	8.2	9.2	7.2	2.4	2.0	100
PG 1/4-1/8C	1/4	1/8	11.2	7.5	26.8	13.5	11.3	12.8	10.8	9.2	7.2	2.4	3.0	100
PG 1/4-5/32C	1/4	5/32	11.2	8.8	28.1	13.5	11.8	12.8	10.8	10.4	8.2	3.5	3.0	100



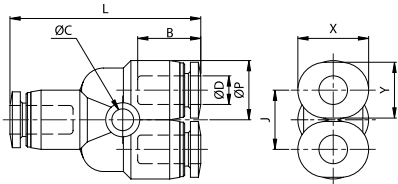
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PY-C

Metric

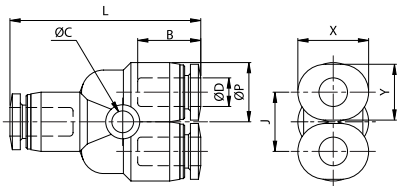


MODEL	ØD	ØP	L	J	ØC	B	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PY 03C	3	7.6	26.8	7.6	3.2	11.3	9.2	7.2	2.4	3.0	100
PY 04C	4	8.7	28.0	8.7	3.2	11.8	10.4	8.2	3.0	5.0	100
PY 06C	6	10.8	30.6	10.8	3.2	12.8	12.4	10.2	4.0	6.0	100



Inch

MODEL	ØD	ØP	L	J	ØC	B	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PY 1/8C	1/8	7.6	26.8	7.6	3.2	11.3	9.2	7.2	2.4	4.0	100
PY 5/32C	5/32	8.7	28.0	8.7	3.2	11.8	10.4	8.2	3.0	3.0	100
PY 1/4C	1/4	11.3	32.6	11.3	3.2	13.5	12.8	10.8	5.0	5.0	100

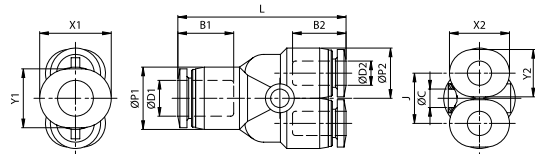


PW-C

Metric

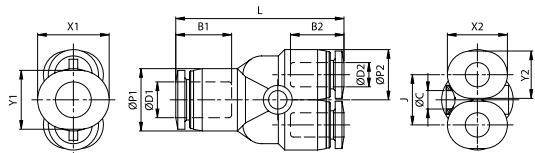


MODEL	ØD1	ØD2	ØP1	ØP2	L	J	ØC	B1	B2	X1	Y1	X2	Y2	ORIFICE	WEIGHT (g)	BOX (EA)
PW 04-03C	4	3	8.7	7.6	27.5	7.6	3.2	11.8	11.3	10.4	8.2	9.2	7.2	2.4	3.0	100
PW 06-03C	6	3	10.8	7.6	28.6	7.6	3.2	12.8	11.3	12.4	10.2	9.2	7.2	2.4	4.0	100
PW 06-04C	6	4	10.8	8.7	29.1	8.7	3.2	12.8	11.8	12.4	10.2	10.4	8.2	3.0	5.0	100



Inch

MODEL	ØD1	ØD2	ØP1	ØP2	L	J	ØC	B1	B2	X1	Y1	X2	Y2	ORIFICE	WEIGHT (g)	BOX (EA)
PW 5/32-1/8C	5/32	1/8	8.7	7.6	27.5	7.6	3.2	11.8	11.3	10.4	8.2	9.2	7.2	2.4	4.0	100
PW 1/4-1/8C	1/4	1/8	11.3	7.6	29.3	7.6	3.2	13.5	11.3	12.8	10.8	9.2	7.2	2.4	5.0	100
PW 1/4-5/32C	1/4	5/32	11.3	8.7	29.8	8.7	3.2	13.5	11.8	12.8	10.8	10.4	8.2	3.0	5.0	100

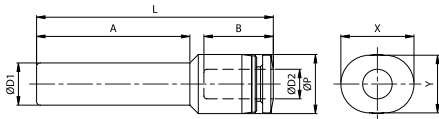


PGJ-C

Metric

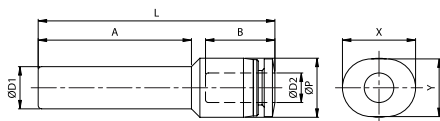


MODEL	ØD1	ØD2	ØP	L	A	B	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PGJ 04-03C	4	3	7.6	30.4	18.0	11.3	9.2	7.2	2.4	1.0	100
PGJ 06-03C	6	3	7.6	32.0	21.6	11.3	9.2	7.2	2.4	2.0	100
PGJ 06-04C	6	4	8.4	33.7	21.8	11.8	10.4	8.2	3.0	3.0	100



Inch

MODEL	ØD1	ØD2	ØP	L	A	B	X	Y	ORIFICE	WEIGHT (g)	BOX (EA)
PGJ 5/32-1/8C	5/32	1/8	7.6	30.4	18.0	11.3	9.2	7.2	2.4	1.0	100
PGJ 1/4-1/8C	1/4	1/8	7.6	32.0	21.6	11.3	9.2	7.2	2.4	2.0	100
PGJ 1/4-5/32C	1/4	5/32	8.4	33.7	21.8	11.8	10.4	8.2	3.0	3.0	100

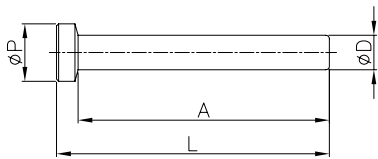


PP-C

Metric

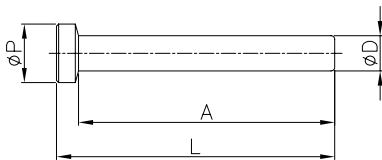


MODEL	ØD	ØP	L	A	WEIGHT(g)	BOX(EA)
PP 03C	3	5	20	18	0.23	100



Inch

MODEL	ØD	ØP	L	A	WEIGHT(g)	BOX(EA)
PP 1/8C	3	5	20	18	0.23	100



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Speed Controllers



Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- **Speed Controllers**
- Speed Controller with Pilot Check Valves
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings (Brass)

Speed Controllers

METRIC - BSPT(R)

page Model	124 NSC	126 NSC(D)	128 NSC(DC)	130 NSS	131 NSS(D)	132 NSS(DC)
						
	133 NSF	134 NSFB	135 ESC	136 NSCF	137 NSFF	137 NSFP
						
	138 NSCP	140 NSSP				
						

METRIC - BSPP(G)

page Model	124 NSC-G	126 NSC-G(D)	128 NSC-G(DC)	130 NSS-G	131 NSS-G(D)	132 NSS-G(DC)
						
	136 NSCF-G	138 NSCP-G	140 NSSP-G			
						

Speed Controller with Pilot Check Valves

METRIC - BSPT(R)

METRIC - BSPP(G)

BSPT(R)

BSPP(G)

page Model	144 PVSC	144 PVSC-G	145 PVSF	145 PVSF-G
				

Speed Controllers

용도 Applications

- 공기압용 구동기기의 속도 제어에 사용하는 밸브입니다.
- 주로 에어 구동기기에 장착하여 많이 사용됩니다.

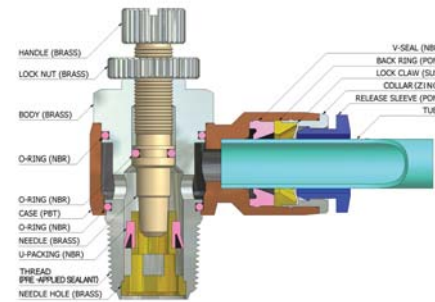
특징 Features

- 미세한 유량조절로 유량제어가 용이합니다.
- 취부 후 본체 부분이 360° 회전 가능함으로 튜브 방향, 각도를 배관에 맞게 조절하여 사용할 수 있습니다.
- 니들회전수가 10~12회전으로 증가되어 속도제어가 용이하고 일정한 속도 제어가 가능합니다.
- 협소한 공간 및 간섭을 제한 받을 수 있는 공간에서 드라이브공구를 이용, 속도제어를 용이하게 조절하여 사용할 수 있습니다. (NSC[D]타입)
- 소형화된 제품들은 장비에 부착시 차지하는 면적이 작습니다.

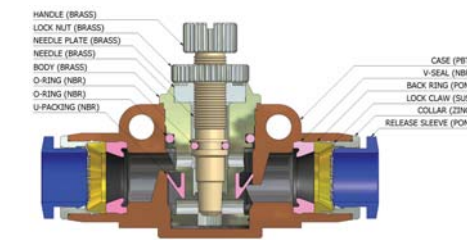
사양 Specifications

- 사용유체 Fluid type : 압축공기 Air(No other gases or liquids) Do not use with water application
- 사용압력 Working pressure: 14.2~150PSI / 1~9.9kgf/cm² (100~990kPa)
※적용Tube와의 조합에 있어서 Tube의 최고사용압력에 의거합니다
- 사용온도 범위 Working temperature : 32~140° F / 0~60°C
- 사용호스 종류 Applicable Tube: Polyurethane and Nylon

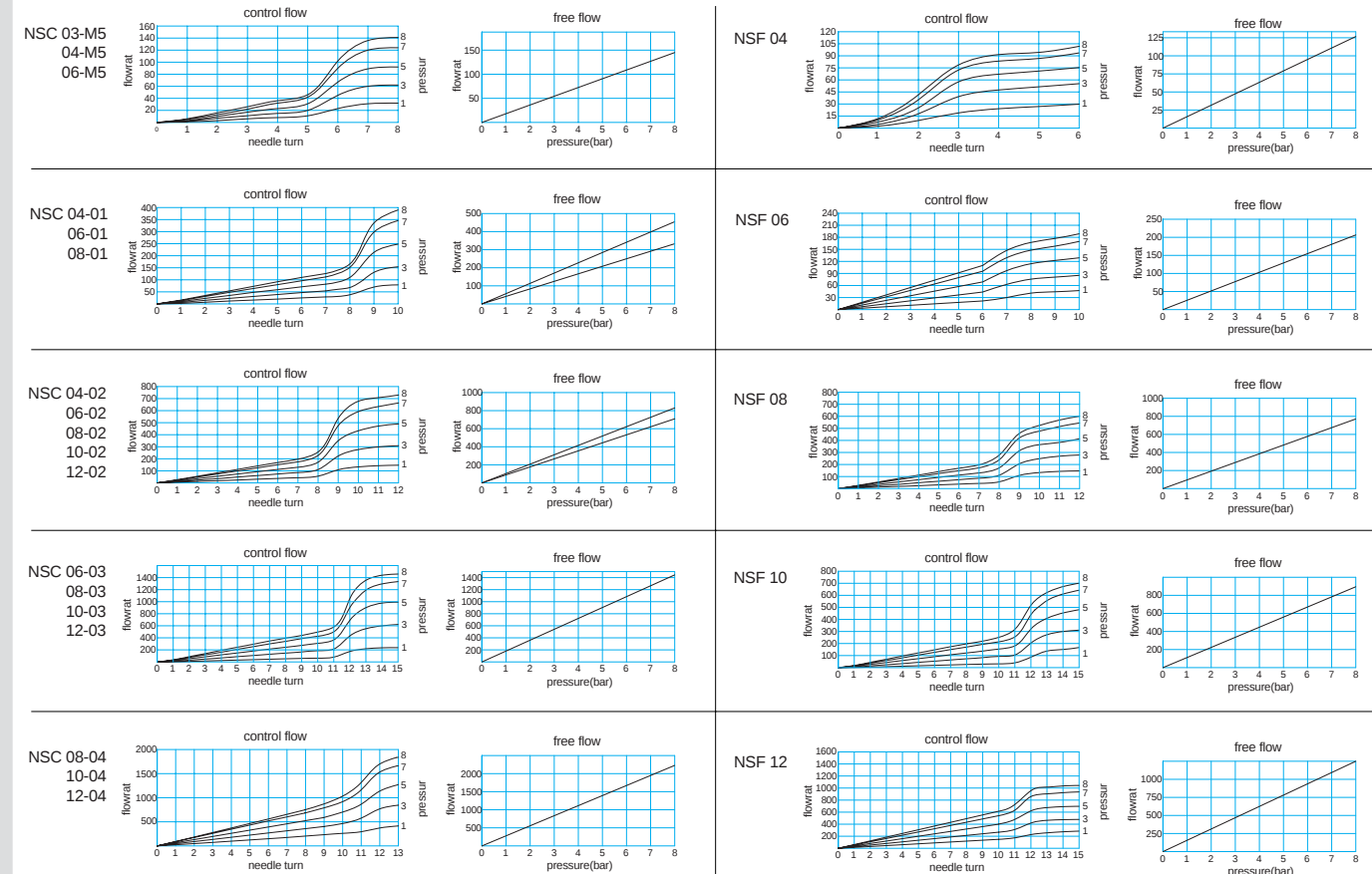
Structural Diagram



NSF Structural Diagram



Speed Controllers Flowrate



주문형식 Product Code System

METRIC - BSPT(R)

NSC 06-01-MO

Speed Controllers	Tube Dia	Thread Size	Control Method
CODE	SIZE	METRIC THREAD	METER-OUT
04	Ø4	CODE SIZE	CODE No Signal
06	Ø6	M5 M5×0.8	METER-IN
08	Ø8	R(PT) THREAD	CODE IN
10	Ø10	CODE SIZE	Sleeve Color
12	Ø12	01 R1/8	MO BLUE
		02 R1/4	MI RED
		03 R3/8	
		04 R1/2	

METRIC - BSPP(G)

NSC 06-G01

Speed Controllers	Tube Dia	Thread Size	Sleeve Color
CODE	SIZE	G(PF) THREAD	MO BLUE
04	Ø4	CODE SIZE	MI RED
06	Ø6	G01 G1/8	
08	Ø8	G02 G1/4	
10	Ø10	G03 G3/8	
12	Ø12	G04 G1/2	

INCH - BSPT(R)

NSC 1/4-01

Speed Controllers	Tube Dia	Thread Size	Control Method
CODE	SIZE	METRIC THREAD	METER-OUT
5/32	Ø5/32	CODE SIZE	CODE No Signal
3/16	Ø3/16	M5 M5×0.8	METER-IN
1/4	Ø1/4	R(PT) THREAD	CODE IN
5/16	Ø5/16	CODE SIZE	Sleeve Color
3/8	Ø3/8	01 R1/8	MO BLACK
1/2	Ø1/2	02 R1/4	MI RED
		03 R3/8	
		04 R1/2	

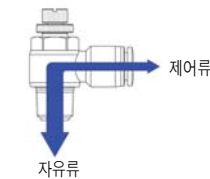
INCH - NPT

NSC 1/4-N1-MO

Speed Controllers	Tube Dia	Thread Size	Control Method
CODE	SIZE	UNF THREAD	METER-OUT
5/32	Ø5/32	CODE SIZE	CODE No Signal
3/16	Ø3/16	U 10-32UNF	METER-IN
1/4	Ø1/4	NPT THREAD	CODE IN
5/16	Ø5/16	CODE SIZE	Sleeve Color
3/8	Ø3/8	N1 NPT1/8	MO BLACK
1/2	Ø1/2	N2 NPT1/4	MI RED
		N3 NPT3/8	
		N4 NPT1/2	

사용예

Meter-Out 방식 제어



- 나사측으로부터 들어오는 Air를 제어하는 방식이며 피팅방향에서 들어오는 Air는 제어하지 않고 자유 흐름으로 흐릅니다

Meter-In 방식 제어



- 피팅방향에서 들어오는 Air는 제어하고 나사방향에서 들어오는 Air는 제어하지 않고 자유흐름으로 흐릅니다

⚠ 주의사항

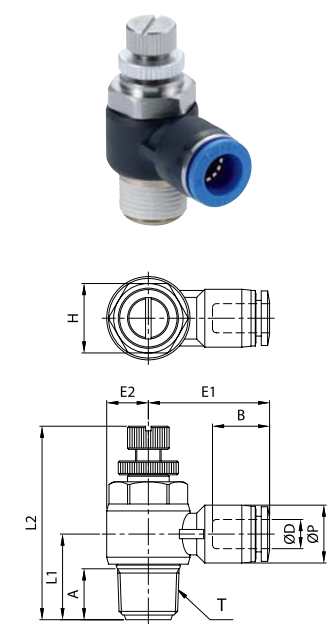
- 사용하시기 전에 반드시 안전상의 주의 및 경고표시의 분류방법(P9)과 피팅제품의 공통적 주의사항(P10)을 참조하여 주십시오.
- 누설이 없어야 하는 스톱밸브로는 사용할 수 없으며, 어느 정도의 누설을 허용하고 있으므로 누설량이 제로(0)를 필요로 하는 조건에서는 사용을 피하십시오.

⚠ 경고사항

- 에어 흐름제어 방향을 확인한 후 사용을 하십시오. 만약, 제어방향이 역방향으로 사용할 시 속도조절용 니들이 제대로 작동되지 않아 기기파손 및 역추에이터가 튀어 나가 인체의 부상이 발생할 위험성이 있습니다.
- 속도조절은 니들이 전부 잠긴 상태에서 서서히 열면서 조절하여 주십시오.
- 니들 밸브의 회전수를 확인하여 사용하시고, 니들을 너무 회전하면 파손의 원인이 되므로 사용제품의 회전수를 확인하여 주십시오.
- 몸체 나 휘팅부에 강제적인 충격 및 회전을 시키지 마십시오. 제품파손 및 에어누설 원인이 될 가능성이 있습니다.

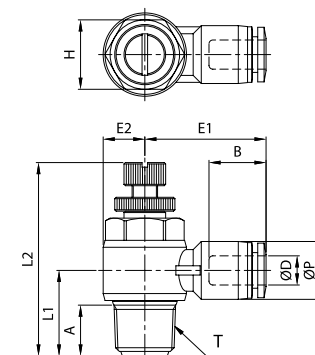
NSC

Metric-**BSPT(R)**



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
NSC 03-M5	3	7.8	M5×0.8p	9.6	27.1	29.1	16.5	5.0	3.6	11.3	8	8.0	50
NSC 04-M3	4	10.5	M5×0.5p	10.3	27.1	29.1	20.2	5.0	3.0	14.8	8	8.2	50
NSC 04-M5	4	10.5	M5×0.8p	10.3	27.1	29.1	20.2	5.0	3.6	14.8	8	9.0	50
NSC 04-01	4	10.5	R 1/8	15.1	35.5	40.7	23.3	7.0	8.2	15.3	11	20.0	50
NSC 04-02	4	10.5	R 1/4	18.4	40.3	46.6	25.3	9.0	11.0	15.3	15	36.0	50
NSC 06-M5	6	12.5	M5×0.8p	11.4	27.1	29.1	22.7	5.0	3.6	16.4	8	10.0	50
NSC 06-01	6	12.5	R 1/8	15.1	35.5	40.7	24.2	7.0	8.2	16.4	11	21.0	50
NSC 06-02	6	12.5	R 1/4	18.4	40.3	46.6	26.2	9.0	11.0	16.4	15	37.0	50
NSC 06-03	6	12.5	R 3/8	21.9	46.9	54.9	27.7	11.0	12.2	16.4	19	70.0	25
NSC 06-04	6	12.5	R 1/2	26.5	54.0	60.1	30.8	14.0	16.5	16.4	24	108.0	20
NSC 08-01	8	14.5	R 1/8	16.2	35.5	40.7	25.9	7.0	8.2	18.3	11	22.0	50
NSC 08-02	8	14.5	R 1/4	19.2	40.3	46.6	27.9	9.0	11.0	18.3	15	38.0	50
NSC 08-03	8	14.5	R 3/8	21.9	46.9	54.9	28.9	11.0	12.2	18.3	19	71.0	25
NSC 08-04	8	14.5	R 1/2	26.5	54.0	60.1	31.8	14.0	16.5	18.3	24	109.0	20
NSC 10-01	10	17.5	R 1/8	17.7	35.5	40.7	27.9	7.0	8.2	19.7	11	26.0	25
NSC 10-02	10	17.5	R 1/4	20.7	40.3	46.6	29.9	9.0	11.0	19.7	15	42.0	25
NSC 10-03	10	17.5	R 3/8	23.2	46.9	54.9	31.0	11.2	12.2	19.7	19	73.0	25
NSC 10-04	10	17.5	R 1/2	26.5	54.0	60.1	33.4	14.0	16.5	19.7	24	110.0	20
NSC 12-02	12	20.5	R 1/4	22.2	40.3	46.6	33.3	9.0	11.0	22.4	15	45.0	25
NSC 12-03	12	20.5	R 3/8	24.0	46.9	54.9	33.7	11.5	12.2	21.9	19	75.0	25
NSC 12-04	12	20.5	R 1/2	28.0	54.0	60.1	36.1	14.0	16.5	21.9	24	113.0	20

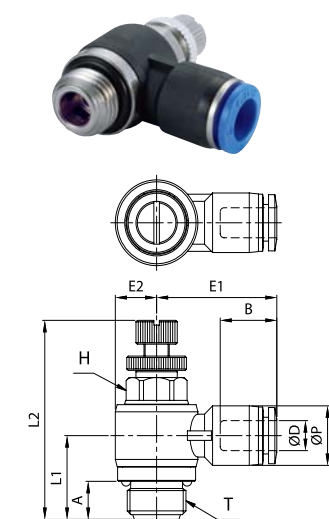
Inch-NPT



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
NSC 1/8-U	1/8	7.8	UNF 10/32	10.3	26.9	29.1	16.5	5.0	3.6	11.3	5/16	8.0	50
NSC 5/32-U	5/32	10.5	UNF 10/32	10.3	26.9	29.1	21.3	5.0	3.6	14.8	5/16	9.8	50
NSC 5/32-N1	5/32	10.5	NPT 1/8	15.1	34.9	39.8	23.5	7.1	8.2	15.3	7/16	18.8	50
NSC 5/32-N2	5/32	10.5	NPT 1/4	18.4	40.6	47.0	25.4	9.1	11.0	15.3	19/32	34.8	50
NSC 3/16-U	3/16	11.5	UNF 10/32	10.4	26.9	29.1	21.6	5.0	3.6	15.8	5/16	9.7	50
NSC 3/16-N1	3/16	11.5	NPT 1/8	15.1	34.9	39.8	24.3	7.1	8.2	15.8	7/16	18.7	50
NSC 3/16-N2	3/16	11.5	NPT 1/4	18.4	40.6	47.0	26.2	9.1	11.0	15.8	19/32	34.7	50
NSC 3/16-N3	3/16	11.5	NPT 3/8	21.9	47.9	54.9	27.8	11.3	13.1	15.8	3/4	65.7	25
NSC 1/4-U	1/4	13.0	UNF 10/32	10.6	26.9	29.1	23.7	5.0	3.6	16.8	5/16	10.7	50
NSC 1/4-N1	1/4	13.0	NPT 1/8	15.2	34.9	39.8	24.9	7.1	8.2	16.8	7/16	19.7	50
NSC 1/4-N2	1/4	13.0	NPT 1/4	18.4	40.6	47.0	26.8	9.1	11.0	16.8	19/32	35.7	50
NSC 1/4-N3	1/4	13.0	NPT 3/8	21.9	47.9	54.9	28.4	11.3	13.1	16.8	3/4	66.7	25
NSC 5/16-N1	5/16	14.5	NPT 1/8	16.2	34.9	39.8	26.2	7.1	8.2	18.4	7/16	21.7	50
NSC 5/16-N2	5/16	14.5	NPT 1/4	19.2	40.6	47.0	28.1	9.1	11.0	18.4	19/32	37.7	50
NSC 5/16-N3	5/16	14.5	NPT 3/8	21.9	47.9	54.9	29.2	11.3	13.1	18.4	3/4	69.7	25
NSC 5/16-N4	5/16	14.5	NPT 1/2	26.5	53.9	61.3	32.0	14.0	16.5	18.4	15/16	103.7	20
NSC 3/8-N2	3/8	17.5	NPT 1/4	20.7	40.6	47.0	31.0	9.1	11.0	19.6	19/32	39.2	25
NSC 3/8-N3	3/8	17.5	NPT 3/8	22.6	47.9	54.9	30.8	11.3	13.1	19.6	3/4	70.2	25
NSC 3/8-N4	3/8	17.5	NPT 1/2	26.5	53.9	61.3	33.0	14.0	16.5	19.6	15/16	109.2	20
NSC 1/2-N3	1/2	20.8	NPT 3/8	24.1	47.9	54.9	34.0	11.3	13.1	22.0	3/4	74.0	25
NSC 1/2-N4	1/2	20.8	NPT 1/2	27.7	53.9	61.3	36.5	14.0	16.5	22.1	15/16	119.0	20

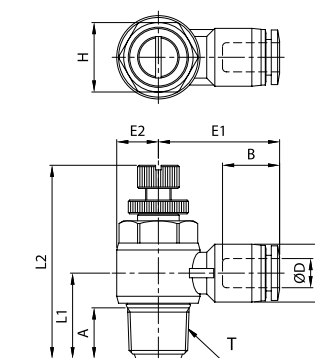
NSC-G

Metric-**BSPP(G)**



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
NSC 04-G01	4	10.5	G 1/8	15.3	34.6	39.8	23.3	7.0	6.0	15.3	8	20.0	50
NSC 04-G02	4	10.5	G 1/4	17.6	39.8	46.1	25.3	9.0	8.0	15.3	12	34.0	50
NSC 06-G01	6	12.5	G 1/8	15.3	34.6	39.8	24.2	7.0	6.0	16.4	8	20.0	50
NSC 06-G02	6	12.5	G 1/4	17.6	39.8	46.1	26.2	9.0	8.0	16.4	12	36.0	50
NSC 06-G03	6	12.5	G 3/8	21.4	47.7	54.9	27.7	11.0	8.0	16.4	14	68.0	25
NSC 06-G04	6	12.5	G 1/2	22.9	54.5	61.7	30.8	14.0	9.0	16.4	17	103.0	20
NSC 08-G01	8	14.5	G 1/8	14.2	34.6	39.8	25.9	7.0	6.0	18.3	8	22.0	50
NSC 08-G02	8	14.5	G 1/4	16.9	39.8	46.1	27.9	9.0	8.0	18.3	12	37.0	50
NSC 08-G03	8	14.5	G 3/8	21.4	47.7	54.9	28.9	11.0	8.0	18.3	14	69.0	25
NSC 08-G04	8	14.5	G 1/2	22.9	54.5	61.7	31.8	14.0	9.0	18.3	17	104.0	20
NSC 10-G01	10	17.5	G 1/8	12.7	34.6	39.8	27.9	7.0	6.0	19.7	8	26.0	25
NSC 10-G02	10	17.5	G 1/4	16.4	39.8	46.1	29.9	9.0	8.0	19.7	12	41.0	25
NSC 10-G03	10	17.5	G 3/8	20.1	47.7	54.9	31.0	11.2	8.0	19.7	14	71.0	25
NSC 10-G04	10	17.5	G 1/2	22.9	54.5	61.7	33.4	14.0	9.0	19.7	17	106.0	20
NSC 12-G02	12	20.5	G 1/4	14.9	39.8	46.1	33.3	9.0	8.0	22.4	12	43.0	25
NSC 12-G03	12	20.5	G 3/8	19.3	47.7	54.9	33.7	11.5	8.0	21.9	14	71.0	25
NSC 12-G04	12	20.5	G 1/2	21.6	54.5	61.7	36.1	14.0	9.0	21.9	17	108.0	20

Inch-BSPT(R)



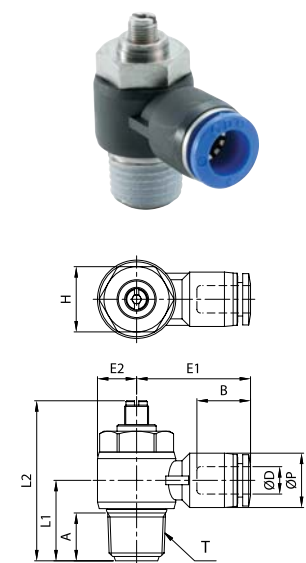
MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
NSC 1/4-M5	1/4	13.0	M5×0.8p	10.6	27.1	29.1	23.7	5.0	3.6	16.8	8	10.7	50
NSC 1/4-01	1/4	13.0	R 1/8	15.2	35.5	40.7	24.9	7.1	8.2	16.8	11	19.7	50
NSC 1/4-02	1/4	13.0	R 1/4	18.4	40.3	46.6	26.8	9.1	11.0	16.8	15	35.7	50
NSC 5/16-01	5/16	14.5	R 1/8	16.2	35.5	40.7	26.0	7.0	8.2	18.4	11	21.7	50
NSC 5/16-02	5/16	14.5	R 1/4	19.2	40.3	46.6	28.0	9.0	11.0	18.4	15	37.7	50
NSC 5/16-03	5/16	14.5	R 3/8	21.9	46.9	54.9	29.0	11.0	12.2	18.4	19	69.7	25
NSC 3/8-02	3/8	17.5	R 1/4	20.7	40.3	46.6	31.0	9.1	11.0	19.6	15	39.2	25
NSC 3/8-03	3/8	17.5	R 3/8	22.6	46.9	54.9	30.8	11.3	12.2	19.6	19	70.2	25

SPEED CONTROLLERS

- O
- C
- S
- P
- H
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- C
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- S
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- C
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- F

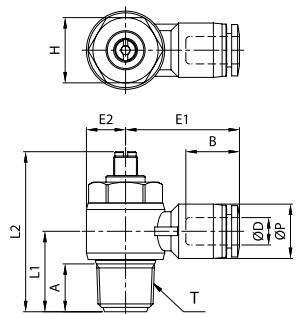
NSC (D)

Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
NSC 03-M5(D)	3	7.8	M5×0.8p	9.6	20.4	22.9	16.5	5.0	3.6	11.3	8	8.0	50
NSC 04-M5(D)	4	10.5	M5×0.8p	10.3	20.4	22.9	20.2	5.0	3.6	14.8	8	9.0	50
NSC 04-01(D)	4	10.5	R 1/8	15.1	26.7	31.2	23.3	7.0	8.2	15.3	11	20.0	50
NSC 04-02(D)	4	10.5	R 1/4	18.4	31.3	37.4	25.3	9.0	11.0	15.3	15	36.0	50
NSC 06-M5(D)	6	12.5	M5×0.8p	11.4	20.4	22.9	22.7	5.0	3.6	16.4	8	10.0	50
NSC 06-01(D)	6	12.5	R 1/8	15.1	26.7	31.2	24.2	7.0	8.2	16.4	11	21.0	50
NSC 06-02(D)	6	12.5	R 1/4	18.4	31.3	37.4	26.2	9.0	11.0	16.4	15	37.0	50
NSC 06-03(D)	6	12.5	R 3/8	21.9	37.0	42.9	27.7	11.0	12.2	16.4	19	70.0	25
NSC 06-04(D)	6	12.5	R 1/2	26.5	43.0	49.3	30.8	14.0	16.5	16.4	24	108.0	20
NSC 08-01(D)	8	14.5	R 1/8	16.2	26.7	31.2	25.9	7.0	8.2	18.3	11	22.0	50
NSC 08-02(D)	8	14.5	R 1/4	19.2	31.3	37.4	27.9	9.0	11.0	18.3	15	38.0	50
NSC 08-03(D)	8	14.5	R 3/8	21.9	37.0	42.9	28.9	11.0	12.2	18.3	19	71.0	25
NSC 08-04(D)	8	14.5	R 1/2	26.5	43.0	49.3	31.8	14.0	16.5	18.3	24	109.0	20
NSC 10-01(D)	10	17.5	R 1/8	17.7	26.7	31.2	27.9	7.0	8.2	19.7	11	26.0	25
NSC 10-02(D)	10	17.5	R 1/4	20.7	31.3	37.4	29.9	9.0	11.0	19.7	15	42.0	25
NSC 10-03(D)	10	17.5	R 3/8	23.2	37.0	42.9	31.0	11.2	12.2	19.7	19	73.0	25
NSC 10-04(D)	10	17.5	R 1/2	26.5	43.0	49.3	33.4	14.0	16.5	19.7	24	110.0	20
NSC 12-02(D)	12	20.5	R 1/4	22.2	31.3	37.4	33.3	9.0	11.0	22.4	15	45.0	25
NSC 12-03(D)	12	20.5	R 3/8	24.0	37.0	42.9	33.7	11.5	12.2	21.9	19	75.0	25
NSC 12-04(D)	12	20.5	R 1/2	28.0	43.0	49.3	36.1	14.0	16.5	21.9	24	113.0	20

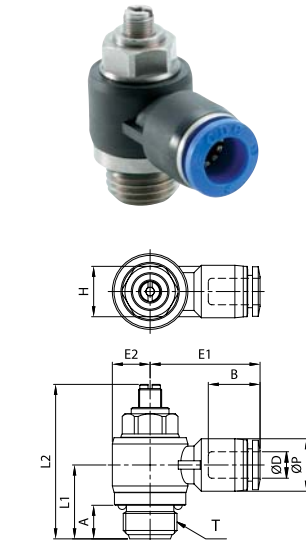
Inch-NPT



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
NSC 1/8-U(D)	1/8	7.8	UNF 10/32	10.3	21.0	22.8	16.5	5.0	3.6	11.3	5/16	8.0	50
NSC 5/32-U(D)	5/32	10.5	UNF 10/32	10.3	21.0	22.8	21.3	5.0	3.6	14.8	5/16	9.8	50
NSC 5/32-N1(D)	5/32	10.5	NPT 1/8	15.1	26.7	31.1	23.5	7.1	8.2	15.3	7/16	16.8	50
NSC 5/32-N2(D)	5/32	10.5	NPT 1/4	18.4	31.3	36.8	25.4	9.1	11.0	15.3	19/32	30.8	50
NSC 3/16-U(D)	3/16	11.5	UNF 10/32	10.4	21.0	22.8	21.6	5.0	3.6	15.8	5/16	9.7	50
NSC 3/16-N1(D)	3/16	11.5	NPT 1/8	15.1	26.7	31.1	24.3	7.1	8.2	15.8	7/16	16.7	50
NSC 3/16-N2(D)	3/16	11.5	NPT 1/4	18.4	31.3	36.8	26.2	9.1	11.0	15.8	19/32	30.7	50
NSC 3/16-N3(D)	3/16	11.5	NPT 3/8	21.9	37.0	43.1	27.8	11.3	13.1	15.8	3/4	54.7	25
NSC 1/4-U(D)	1/4	13.0	UNF 10/32	10.6	21.0	22.8	23.7	5.0	3.6	16.8	5/16	10.7	50
NSC 1/4-N1(D)	1/4	13.0	NPT 1/8	15.2	26.7	31.1	24.9	7.1	8.2	16.8	7/16	17.7	50
NSC 1/4-N2(D)	1/4	13.0	NPT 1/4	18.4	31.3	36.8	26.8	9.1	11.0	16.8	19/32	31.7	50
NSC 1/4-N3(D)	1/4	13.0	NPT 3/8	21.9	37.0	43.1	28.4	11.3	13.1	16.8	3/4	55.7	25
NSC 5/16-N1(D)	5/16	14.5	NPT 1/8	16.2	26.7	31.1	26.2	7.1	8.2	18.4	7/16	18.7	50
NSC 5/16-N2(D)	5/16	14.5	NPT 1/4	19.2	31.3	36.8	28.1	9.1	11.0	18.4	19/32	33.7	50
NSC 5/16-N3(D)	5/16	14.5	NPT 3/8	21.9	37.0	43.1	29.2	11.3	13.1	18.4	3/4	58.7	25
NSC 5/16-N4(D)	5/16	14.5	NPT 1/2	26.5	43.0	49.3	32.0	14.0	16.5	18.4	15/16	90.7	20
NSC 3/8-N2(D)	3/8	17.5	NPT 1/4	20.7	31.3	36.8	31.0	9.1	11.0	19.6	19/32	35.2	25
NSC 3/8-N3(D)	3/8	17.5	NPT 3/8	22.6	37.0	43.1	30.8	11.3	13.1	19.6	3/4	59.2	25
NSC 3/8-N4(D)	3/8	17.5	NPT 1/2	26.5	43.0	49.3	33.0	14.0	16.5	19.6	15/16	96.2	20
NSC 1/2-N3(D)	1/2	20.8	NPT 3/8	24.1	37.0	43.1	34.0	11.3	13.1	22.0	3/4	69.0	25
NSC 1/2-N4(D)	1/2	20.8	NPT 1/2	27.7	43.0	49.3	36.5	14.0	16.5	22.1	15/16	106.0	20

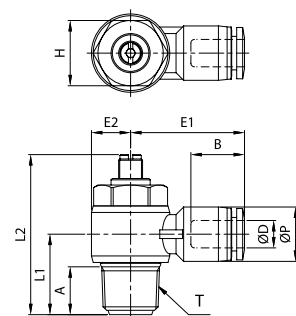
NSC-G-D

Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
NSC 04-G01(D)	4	10.5	G 1/8	15.3	26.7	31.3	23.3	7.0	6.0	15.3	8	20.0	50
NSC 04-G02(D)	4	10.5	G 1/4	17.6	31.3	36.8	25.3	9.0	8.0	15.3	12	34.0	50
NSC 06-G01(D)	6	12.5	G 1/8	15.3	26.7	31.3	24.2	7.0	6.0	16.4	8	20.0	50
NSC 06-G02(D)	6	12.5	G 1/4	17.6	31.3	36.8	26.2	9.0	8.0	16.4	12	36.0	50
NSC 06-G03(D)	6	12.5	G 3/8	21.4	37.0	43.1	27.7	11.0	8.0	16.4	14	68.0	25
NSC 06-G04(D)	6	12.5	G 1/2	22.9	43.0	49.2	30.8	14.0	9.0	16.4	17	103.0	20
NSC 08-G01(D)	8	14.5	G 1/8	14.2	26.7	31.3	25.9	7.0	6.0	18.3	8	22.0	50
NSC 08-G02(D)	8	14.5	G 1/4	16.9	31.3	36.8	27.9	9.0	8.0	18.3	12	37.0	50
NSC 08-G03(D)	8	14.5	G 3/8	21.4	37.0	43.1	28.9	11.0	8.0	18.3	14	69.0	25
NSC 08-G04(D)	8	14.5	G 1/2	22.9	43.0	49.2	31.8	14.0	9.0	18.3	17	104.0	20
NSC 10-G01(D)	10	17.5	G 1/8	12.7	26.7	31.3	27.9	7.0	6.0	19.7	8	26.0	25
NSC 10-G02(D)	10	17.5	G 1/4	16.4	31.3	36.8	29.9	9.0	8.0	19.7	12	41.0	25
NSC 10-G03(D)	10	17.5	G 3/8	20.1	37.0	43.1	31.0	11.2	8.0	19.7	14	71.0	25
NSC 10-G04(D)	10	17.5	G 1/2	22.9	43.0	49.2	33.4	14.0	9.0	19.7	17	106.0	20
NSC 12-G02(D)	12	20.5	G 1/4	14.9	31.3	36.8	33.3	9.0	8.0	22.4	12	43.0	25
NSC 12-G03(D)	12	20.5	G 3/8	19.3	37.0	43.1	33.7	11.5	8.0	21.9	14	71.0	25
NSC 12-G04(D)	12	20.5	G 1/2	21.6	43.0	49.2	36.1	14.0	9.0	21.9	17	108.0	20

Inch-BSPT(R)



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
NSC 1/4-M5(D)	1/4	13.0	M5×0.8p	10.6	20.4	22.9	23.7	5.0	3.6	16.8	8	10.7	50
NSC 1/4-01(D)	1/4	13.0	R 1/8	15.2	26.7	31.2	24.9	7.1	8.2	16.8	11	17.7	50
NSC 1/4-02(D)	1/4	13.0	R 1/4	18.4	31.3	37.4	26.8	9.1	11.0	16.8	15	31.7	50
NSC 5/16-01(D)	5/16	14.5	R 1/8	16.2	26.7	31.2	26.0	7.0	8.2	18.4	11	18.7	50
NSC 5/16-02(D)	5/16	14.5	R 1/4	19.2	31.3	37.4	28.0	9.0	11.0	18.4	15	33.7	50
NSC 5/16-03(D)	5/16	14.5	R 3/8	21.9	37.0	42.9	29.0	11.0	12.2	18.4	19	58.7	25
NSC 3/8-02(D)	3/8	17.5	R 1/4	20.7	31.3	37.4	31.0	9.1	11.0	19.6	15	35.2	25
NSC 3/8-03(D)	3/8	17.5	R 3/8	22.6	37.0	42.9	30.8	11.3	12.2	19.6	19	59.2	25

SPEED CONTROLLERS

O

C

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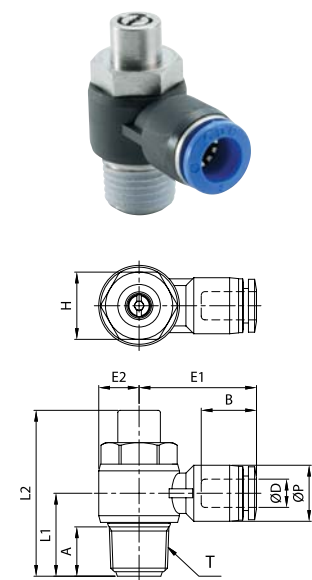
C

T

F

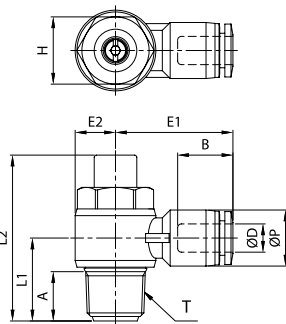
NSC(DC)

Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
NSC 03-M5(DC)	3	7.8	M5×0.8p	9.6	23.2	16.5	5.0	3.6	11.3	8	6.0	50
NSC 04-M5(DC)	4	10.5	M5×0.8p	10.3	23.2	20.2	5.0	3.6	14.8	8	7.0	50
NSC 04-01(DC)	4	10.5	R 1/8	15.1	31.5	23.3	7.0	8.2	15.3	11	16.0	50
NSC 04-02(DC)	4	10.5	R 1/4	18.4	37.0	25.3	9.0	11.0	15.3	15	35.0	50
NSC 06-M5(DC)	6	12.5	M5×0.8p	11.4	23.2	22.7	5.0	3.6	16.4	8	9.0	50
NSC 06-01(DC)	6	12.5	R 1/8	15.1	31.5	24.2	7.0	8.2	16.4	11	18.0	50
NSC 06-02(DC)	6	12.5	R 1/4	18.4	37.0	26.2	9.0	11.0	16.4	15	33.0	50
NSC 06-03(DC)	6	12.5	R 3/8	21.9	43.3	27.7	11.0	12.2	16.4	19	63.0	25
NSC 06-04(DC)	6	12.5	R 1/2	26.5	50.2	30.8	14.0	16.5	16.4	24	108.0	20
NSC 08-01(DC)	8	14.5	R 1/8	16.2	31.5	25.9	7.0	8.2	18.3	11	20.0	50
NSC 08-02(DC)	8	14.5	R 1/4	19.2	37.0	27.9	9.0	11.0	18.3	15	34.0	50
NSC 08-03(DC)	8	14.5	R 3/8	21.9	43.3	28.9	11.0	12.2	18.3	19	64.0	25
NSC 08-04(DC)	8	14.5	R 1/2	26.5	50.2	31.8	14.0	16.5	18.3	24	100.0	20
NSC 10-01(DC)	10	17.5	R 1/8	17.7	31.5	27.9	7.0	8.2	19.7	11	26.0	25
NSC 10-02(DC)	10	17.5	R 1/4	20.7	37.0	29.9	9.0	11.0	19.7	15	38.0	25
NSC 10-03(DC)	10	17.5	R 3/8	23.2	43.3	31.0	11.2	12.2	19.7	19	63.0	25
NSC 10-04(DC)	10	17.5	R 1/2	26.5	50.2	33.4	14.0	16.5	19.7	24	103.0	20
NSC 12-02(DC)	12	20.5	R 1/4	22.2	37.0	33.3	9.0	11.0	22.4	15	42.0	25
NSC 12-03(DC)	12	20.5	R 3/8	24.0	43.3	33.7	11.5	12.2	21.9	19	65.0	25
NSC 12-04(DC)	12	20.5	R 1/2	28.0	50.2	36.1	14.0	16.5	21.9	24	104.0	20

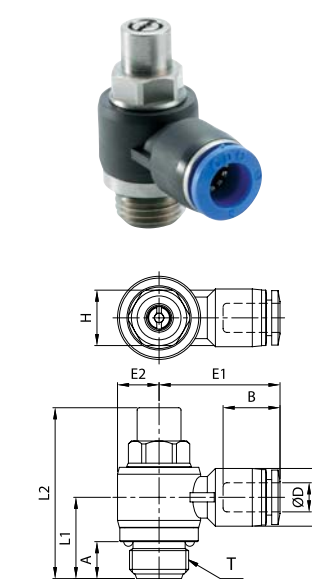
Inch-NPT



MODEL	ØD	ØP	T	L1	L2	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
NSC 1/8-U(DC)	1/8	7.8	UNF 10/32	10.3	21.0	16.5	5.0	3.6	11.3	5/16	8.0	50
NSC 5/32-U(DC)	5/32	10.5	UNF 10/32	10.3	21.0	21.3	5.0	3.6	14.8	5/16	9.8	50
NSC 5/32-N1(DC)	5/32	10.5	NPT 1/8	15.1	26.7	23.5	7.1	8.2	15.3	7/16	18.8	50
NSC 5/32-N2(DC)	5/32	10.5	NPT 1/4	18.4	31.3	25.4	9.1	11.0	15.3	19/32	32.8	50
NSC 3/16-U(DC)	3/16	11.5	UNF 10/32	10.4	21.0	21.6	5.0	3.6	15.8	5/16	9.7	50
NSC 3/16-N1(DC)	3/16	11.5	NPT 1/8	15.1	26.7	24.3	7.1	8.2	15.8	7/16	18.7	50
NSC 3/16-N2(DC)	3/16	11.5	NPT 1/4	18.4	31.3	26.2	9.1	11.0	15.8	19/32	32.7	50
NSC 3/16-N3(DC)	3/16	11.5	NPT 3/8	21.9	37.0	27.8	11.3	13.1	15.8	3/4	59.7	25
NSC 1/4-U(DC)	1/4	13.0	UNF 10/32	10.6	21.0	23.7	5.0	3.6	16.8	5/16	10.7	50
NSC 1/4-N1(DC)	1/4	13.0	NPT 1/8	15.2	26.7	24.9	7.1	8.2	16.8	7/16	19.7	50
NSC 1/4-N2(DC)	1/4	13.0	NPT 1/4	18.4	31.3	26.8	9.1	11.0	16.8	19/32	33.7	50
NSC 1/4-N3(DC)	1/4	13.0	NPT 3/8	21.9	37.0	28.4	11.3	13.1	16.8	3/4	61.7	25
NSC 5/16-N1(DC)	5/16	14.5	NPT 1/8	16.2	26.7	26.2	7.1	8.2	18.4	7/16	20.7	50
NSC 5/16-N2(DC)	5/16	14.5	NPT 1/4	19.2	31.3	28.1	9.1	11.0	18.4	19/32	35.7	50
NSC 5/16-N3(DC)	5/16	14.5	NPT 3/8	21.9	37.0	29.2	11.3	13.1	18.4	3/4	64.7	25
NSC 5/16-N4(DC)	5/16	14.5	NPT 1/2	26.5	43.0	32.0	14.0	16.5	18.4	15/16	96.7	20
NSC 3/8-N2(DC)	3/8	17.5	NPT 1/4	20.7	31.3	31.0	9.1	11.0	19.6	19/32	37.2	25
NSC 3/8-N3(DC)	3/8	17.5	NPT 3/8	22.6	37.0	30.8	11.3	13.1	19.6	3/4	65.2	25
NSC 3/8-N4(DC)	3/8	17.5	NPT 1/2	26.5	43.0	33.0	14.0	16.5	19.6	15/16	102.2	20
NSC 1/2-N3(DC)	1/2	20.8	NPT 3/8	24.1	37.0	34.0	11.3	13.1	22.0	3/4	75.0	25
NSC 1/2-N4(DC)	1/2	20.8	NPT 1/2	27.7	43.0	36.5	14.0	16.5	22.1	15/16	112.0	20

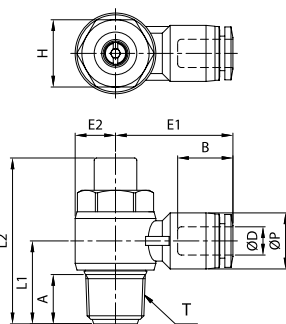
NSC-G-DC

Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
NSC 04-G01(DC)	4	10.5	G 1/8	15.3	31.5	23.3	7.0	6.0	15.3	8	16.0	50
NSC 04-G02(DC)	4	10.5	G 1/4	17.6	37.0	25.3	9.0	8.0	15.3	12	35.0	50
NSC 06-G01(DC)	6	12.5	G 1/8	15.3	31.5	24.2	7.0	6.0	16.4	8	18.0	50
NSC 06-G02(DC)	6	12.5	G 1/4	17.6	37.0	26.2	9.0	8.0	16.4	12	33.0	50
NSC 06-G03(DC)	6	12.5	G 3/8	21.4	43.6	27.7	11.0	8.0	16.4	14	63.0	25
NSC 06-G04(DC)	6	12.5	G 1/2	22.9	50.0	30.8	14.0	9.0	16.4	17	108.0	20
NSC 08-G01(DC)	8	14.5	G 1/8	14.2	31.5	25.9	7.0	6.0	18.3	8	20.0	50
NSC 08-G02(DC)	8	14.5	G 1/4	16.9	37.0	27.9	9.0	8.0	18.3	12	34.0	50
NSC 08-G03(DC)	8	14.5	G 3/8	21.4	43.6	28.9	11.0	8.0	18.3	14	64.0	25
NSC 08-G04(DC)	8	14.5	G 1/2	22.9	50.0	31.8	14.0	9.0	18.3	17	100.0	20
NSC 10-G01(DC)	10	17.5	G 1/8	12.7	31.5	27.9	7.0	6.0	19.7	8	26.0	25
NSC 10-G02(DC)	10	17.5	G 1/4	16.4	37.0	29.9	9.0	8.0	19.7	12	38.0	25
NSC 10-G03(DC)	10	17.5	G 3/8	20.1	43.6	31.0	11.2	8.0	19.7	14	63.0	25
NSC 10-G04(DC)	10	17.5	G 1/2	22.9	50.0	33.4	14.0	9.0	19.7	17	103.0	20
NSC 12-G02(DC)	12	20.5	G 1/4	14.9	37.0	33.3	9.0	8.0	22.4	12	42.0	25
NSC 12-G03(DC)	12	20.5	G 3/8	19.3	43.6	33.7	11.5	8.0	21.9	14	65.0	25
NSC 12-G04(DC)	12	20.5	G 1/2	21.6	50.0	36.1	14.0	9.0	21.9	17	104.0	20

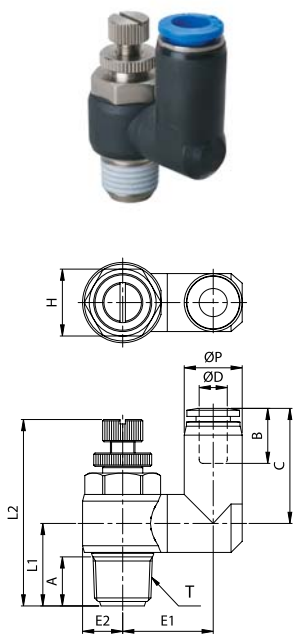
Inch-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
NSC 1/4-M5(DC)	1/4	13.0	M5×0.8p	10.6	23.2	23.7	5.0	3.6	3.6	8	10.7	50
NSC 1/4-01(DC)	1/4	13.0	R 1/8	15.2	31.5	24.9	7.1	8.2	8.2	11	19.7	50
NSC 1/4-02(DC)	1/4	13.0	R 1/4	18.4	37.0	26.8	9.1	11.0	11.0	15	33.7	50
NSC 5/16-01(DC)	5/16	14.5	R 1/8	16.2	31.5	26.0	7.0	8.2	8.2	11	20.7	50
NSC 5/16-02(DC)	5/16	14.5	R 1/4	19.2	37.0	28.0	9.0	11.0	11.0	15	35.7	50
NSC 5/16-03(DC)	5/16	14.5	R 3/8	21.9	43.3	29.0	11.0	12.2	12.2	19	64.7	25
NSC 3/8-02(DC)	3/8	17.5	R 1/4	20.7	37.0	31.0	9.1	11.0	11.0	15	37.2	25
NSC 3/8-03(DC)	3/8	17.5	R 3/8	22.6	43.3	30.8	11.3	12.2	12.2	19	65.2	25

NSS

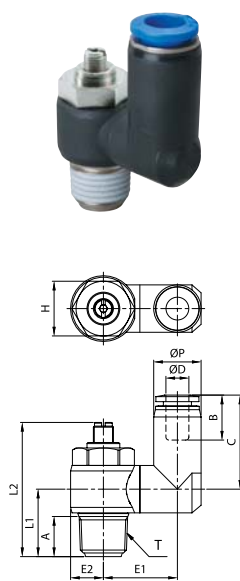
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	C	WEIGHT (g)	BOX (EA)
NSS 04-M5	4	10.5	M5×0.8p	9.6	27.1	29.1	12.3	5.2	3.6	14.8	8	20.3	9.2	50
NSS 04-01	4	10.5	R 1/8	15.1	35.5	40.7	14.3	7.0	8.2	14.8	11	20.3	19.4	50
NSS 04-02	4	10.5	R 1/4	18.4	40.3	46.6	17.8	9.2	11.0	14.8	15	20.3	36.1	50
NSS 06-M5	6	12.5	M5×0.8p	9.6	27.1	29.1	13.3	5.2	3.6	16.4	8	22.4	10.2	50
NSS 06-01	6	12.5	R 1/8	15.6	35.5	40.7	15.0	7.0	8.2	16.4	11	24.0	21.1	25
NSS 06-02	6	12.5	R 1/4	18.4	40.3	46.6	20.3	9.2	11.0	16.4	15	25.9	38.7	25
NSS 06-03	6	12.5	R 3/8	21.9	46.9	54.9	23.3	11.5	12.2	16.4	19	25.9	70.2	25
NSS 08-01	8	14.8	R 1/8	15.6	35.5	40.7	16.2	7.0	8.2	18.3	11	24.9	22.1	25
NSS 08-02	8	14.8	R 1/4	18.4	40.3	46.6	19.3	9.2	11.0	18.3	15	28.3	39.8	25
NSS 08-03	8	14.8	R 3/8	22.4	46.9	54.9	24.6	11.5	12.2	18.3	19	29.3	71.4	25
NSS 08-04	8	14.8	R 1/2	26.6	54.0	60.1	26.6	14.3	16.5	18.3	24	29.3	110.0	20
NSS 10-02	10	17.5	R 1/4	18.4	40.3	46.6	20.3	9.2	11.0	20.2	15	30.7	42.2	20
NSS 10-03	10	17.5	R 3/8	22.4	46.9	54.9	24.6	11.5	12.2	20.2	19	31.7	73.5	20
NSS 10-04	10	17.5	R 1/2	26.7	54.0	60.1	26.7	14.3	16.5	20.2	24	33.1	112.5	12
NSS 12-02	12	20.5	R 1/4	18.4	40.3	46.6	21.8	9.2	11.0	22.9	15	33.4	44.1	12
NSS 12-03	12	20.5	R 3/8	22.4	46.9	54.9	24.6	11.5	12.2	22.9	19	34.4	79.0	12
NSS 12-04	12	20.5	R 1/2	26.7	54.0	60.1	26.7	14.3	16.5	22.9	24	35.8	115.9	12

NSS(D)

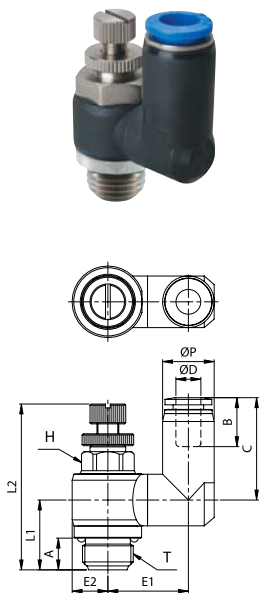
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	C	WEIGHT (g)	BOX (EA)
NSS 04-M5(D)	4	10.5	M5×0.8p	9.6	20.4	22.9	12.3	5.2	3.6	14.8	8	20.3	9.2	50
NSS 04-01(D)	4	10.5	R 1/8	15.1	26.7	31.2	14.3	7.0	8.2	14.8	11	20.3	19.4	50
NSS 04-02(D)	4	10.5	R 1/4	18.4	31.3	37.4	17.8	9.2	11.0	14.8	15	20.3	36.1	50
NSS 06-M5(D)	6	12.5	M5×0.8p	9.6	20.4	22.9	13.3	5.2	3.6	16.4	8	22.4	10.2	50
NSS 06-01(D)	6	12.5	R 1/8	15.6	26.7	31.2	15.0	7.0	8.2	16.4	11	24.0	21.1	25
NSS 06-02(D)	6	12.5	R 1/4	18.4	31.3	37.4	20.3	9.2	11.0	16.4	15	25.9	38.7	25
NSS 06-03(D)	6	12.5	R 3/8	21.9	37.0	42.9	23.3	11.5	12.2	16.4	19	25.9	70.2	25
NSS 08-01(D)	8	14.8	R 1/8	15.6	26.7	31.2	16.2	7.0	8.2	18.3	11	24.9	22.1	25
NSS 08-02(D)	8	14.8	R 1/4	18.4	31.3	37.4	19.3	9.2	11.0	18.3	15	28.3	39.8	25
NSS 08-03(D)	8	14.8	R 3/8	22.4	37.0	42.9	24.6	11.5	12.2	18.3	19	29.3	71.4	25
NSS 08-04(D)	8	14.8	R 1/2	26.6	43.0	49.3	26.6	14.3	16.5	18.3	24	29.3	110.0	20
NSS 10-02(D)	10	17.5	R 1/4	18.4	31.3	37.4	20.3	9.2	11.0	20.2	15	30.7	42.2	20
NSS 10-03(D)	10	17.5	R 3/8	22.4	37.0	42.9	24.6	11.5	12.2	20.2	19	31.7	73.5	20
NSS 10-04(D)	10	17.5	R 1/2	26.7	43.0	49.3	26.7	14.3	16.5	20.2	24	33.1	112.5	12
NSS 12-02(D)	12	20.5	R 1/4	18.4	31.3	37.4	21.8	9.2	11.0	22.9	15	33.4	44.1	12
NSS 12-03(D)	12	20.5	R 3/8	22.4	37.0	42.9	24.6	11.5	12.2	22.9	19	34.4	79.0	12
NSS 12-04(D)	12	20.5	R 1/2	26.7	43.0	49.3	26.7	14.3	16.5	22.9	24	35.8	115.9	12

NSS-G

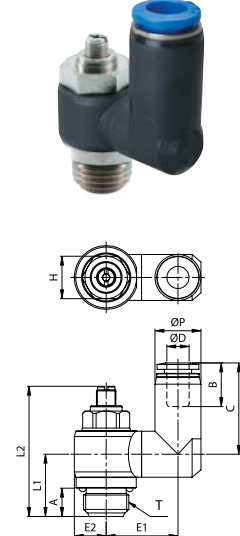
Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	C	WEIGHT (g)	BOX (EA)
NSS 04-G01	4	10.5	G 1/8	15.3	34.6	39.8	14.3	7.0	6.0	14.8	8	20.3	9.2	50
NSS 04-G02	4	10.5	G 1/4	17.7	39.8	46.1	17.8	9.2	8.0	14.8	12	20.2	19.4	50
NSS 06-G01	6	12.5	G 1/8	14.7	34.6	39.8	15.0	7.0	6.0	16.4	8	24.0	21.1	25
NSS 06-G02	6	12.5	G 1/4	17.6	39.8	46.1	20.3	9.2	8.0	16.4	12	25.9	38.7	25
NSS 06-G03	6	12.5	G 3/8	21.4	47.7	54.9	23.3	11.5	8.0	16.4	14	25.9	70.2	25
NSS 08-G01	8	14.8	G 1/8	14.7	34.6	39.8	16.2	7.0	6.0	18.3	8	24.9	22.1	25
NSS 08-G02	8	14.8	G 1/4	17.6	39.8	46.1	19.3	9.2	8.0	18.3	12	28.3	39.8	25
NSS 08-G03	8	14.8	G 3/8	20.8	47.7	54.9	24.6	11.5	8.0	18.3	14	29.3	71.4	25
NSS 08-G04	8	14.8	G 1/2	23.0	54.0	60.1	26.6	14.3	9.0	18.3	17	29.3	110.0	20
NSS 10-G02	10	17.5	G 1/4	17.6	39.8	46.1	20.3	9.2	8.0	20.2	12	30.7	42.2	20
NSS 10-G03	10	17.5	G 3/8	20.8	47.7	54.9	24.6	11.5	8.0	20.2	14	31.7	73.5	20
NSS 10-G04	10	17.5	G 1/2	22.9	54.0	60.1	26.7	14.3	9.0	20.2	17	33.1	112.5	12
NSS 12-G02	12	20.5	G 1/4	17.6	39.8	46.1	21.8	9.2	8.0	22.9	12	33.4	44.1	12
NSS 12-G03	12	20.5	G 3/8	20.8	47.7	54.9	24.6	11.5	8.0	22.9	14	34.4	79.0	12
NSS 12-G04	12	20.5	G 1/2	22.9	54.0	60.1	26.7	14.3	9.0	22.9	17	35.8	115.9	12

NSS-G-D

Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	C	WEIGHT (g)	BOX (EA)
NSS 04-G01(D)	4	10.5	G 1/8	15.3	26.7	31.3	14.3	7.0	6.0	14.8	8	20.3	20.0	50
NSS 04-G02(D)	4	10.5	G 1/4	17.7	31.3	36.8	17.8	9.2	8.0	14.8	12	20.2	34.0	50
NSS 06-G01(D)	6	12.5	G 1/8	14.7	26.7	31.3	15.0	7.0	6.0	16.4	8	24.0	20.0	25
NSS 06-G02(D)	6	12.5	G 1/4	17.6	31.3	36.8	20.3	9.2	8.0	16.4	12	25.9	36.0	25
NSS 06-G03(D)	6	12.5	G 3/8	21.4	37.0	43.1	23.3	11.5	8.0	16.4	14	25.9	68.0	25
NSS 08-G01(D)	8	14.8	G 1/8	14.7	26.7	31.3	16.2	7.0	6.0	18.3	8	24.9	22.0	25
NSS 08-G02(D)	8	14.8	G 1/4	17.6	31.3	36.8	19.3	9.2	8.0	18.3	12	28.3	37.0	25
NSS 08-G03(D)	8	14.8	G 3/8	20.8	37.0	43.1	24.6	11.5	8.0	18.3	14	29.3	69.0	25
NSS 08-G04(D)	8	14.8	G 1/2	23.0	43.0	49.2	26.6	14.3	9.0	18.3	17	29.3	104.0	20
NSS 10-G02(D)	10	17.5	G 1/4	17.6	31.3	36.8	20.3	9.2	8.0	20.2	12	30.7	41.0	20
NSS 10-G03(D)	10	17.5	G 3/8	20.8	37.0	43.1	24.6	11.5	8.0	20.2	14	31.7	71.0	20
NSS 10-G04(D)	10	17.5	G 1/2	22.9	43.0	49.2	26.7	14.3	9.0	20.2	17	33.1	106.0	12
NSS 12-G02(D)	12	20.5	G 1/4	17.6	31.3	36.8	21.8	9.2	8.0	22.9	12	33.4	43.0	12
NSS 12-G03(D)	12	20.5	G 3/8	20.8	37.0	43.1	24.6	11.5	8.0	22.9	14	34.4	71.0	12
NSS 12-G04(D)	12	20.5	G 1/2	22.9	43.0	49.2	26.7	14.3	9.0	22.9	17	35.8	108.0	12

SPEED CONTROLLERS

O

C

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P

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O

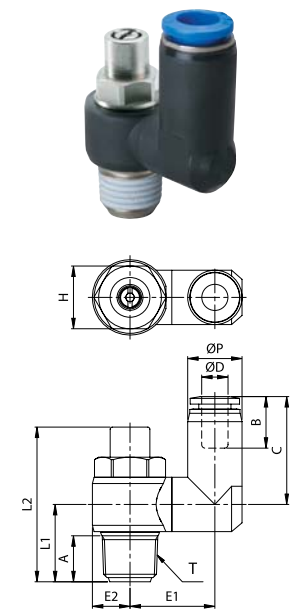
C

T

F

NSS(DC)

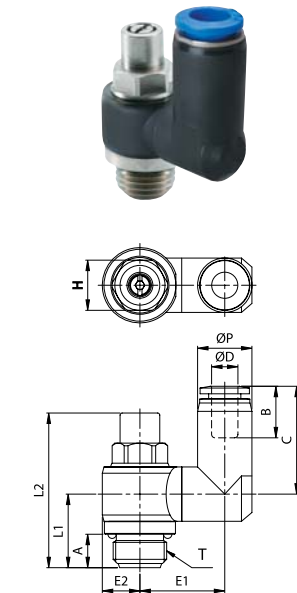
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2	E1	E2	A	B	H (Hex)	C	WEIGHT (g)	BOX (EA)
NSS 04-M5(DC)	4	10.5	M5×0.8p	9.6	23.2	12.3	5.2	3.6	14.8	8	20.3	7.0	50
NSS 04-01(DC)	4	10.5	R 1/8	15.1	31.5	14.3	7.0	8.2	14.8	11	20.3	16.0	50
NSS 04-02(DC)	4	10.5	R 1/4	18.4	37.0	17.8	9.2	11.0	14.8	15	20.3	35.0	50
NSS 06-M5(DC)	6	12.5	M5×0.8p	9.6	23.2	13.3	5.2	3.6	16.4	8	22.4	9.0	50
NSS 06-01(DC)	6	12.5	R 1/8	15.6	31.5	15.0	7.0	8.2	16.4	11	24.0	18.0	25
NSS 06-02(DC)	6	12.5	R 1/4	18.4	37.0	20.3	9.2	11.0	16.4	15	25.9	33.0	25
NSS 06-03(DC)	6	12.5	R 3/8	21.9	43.3	23.3	11.5	12.2	16.4	19	25.9	63.0	25
NSS 08-01(DC)	8	14.8	R 1/8	15.6	31.5	16.2	7.0	8.2	18.3	11	24.9	20.0	25
NSS 08-02(DC)	8	14.8	R 1/4	18.4	37.0	19.3	9.2	11.0	18.3	15	28.3	34.0	25
NSS 08-03(DC)	8	14.8	R 3/8	22.4	43.3	24.6	11.5	12.2	18.3	19	29.3	64.0	25
NSS 08-04(DC)	8	14.8	R 1/2	26.6	50.2	26.6	14.3	16.5	18.3	24	29.3	100.0	20
NSS 10-02(DC)	10	17.5	R 1/4	18.4	37.0	20.3	9.2	11.0	20.2	15	30.7	38.0	20
NSS 10-03(DC)	10	17.5	R 3/8	22.4	43.3	24.6	11.5	12.2	20.2	19	31.7	63.0	20
NSS 10-04(DC)	10	17.5	R 1/2	26.7	50.2	26.7	14.3	16.5	20.2	24	33.1	103.0	12
NSS 12-02(DC)	12	20.5	R 1/4	18.4	37.0	21.8	9.2	11.0	22.9	15	33.4	42.0	12
NSS 12-03(DC)	12	20.5	R 3/8	22.4	43.3	24.6	11.5	12.2	22.9	19	34.4	65.0	12
NSS 12-04(DC)	12	20.5	R 1/2	26.7	50.2	26.7	14.3	16.5	22.9	24	35.8	104.0	12

NSS-G-DC

Metric-BSPP(G)



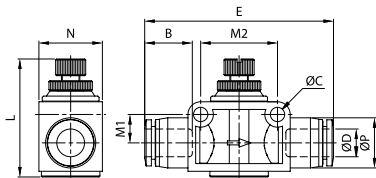
MODEL	ØD	ØP	T	L1	L2	E1	E2	A	B	H (Hex)	C	WEIGHT (g)	BOX (EA)
NSS 04-G01(DC)	4	10.5	G 1/8	15.3	31.5	14.3	7.0	6.0	14.8	8	20.3	16.0	50
NSS 04-G02(DC)	4	10.5	G 1/4	17.7	37.0	17.8	9.2	8.0	14.8	12	20.2	35.0	50
NSS 06-G01(DC)	6	12.5	G 1/8	14.7	31.5	15.0	7.0	6.0	16.4	8	24.0	18.0	25
NSS 06-G02(DC)	6	12.5	G 1/4	17.6	37.0	20.3	9.2	8.0	14.8	12	25.9	33.0	25
NSS 06-G03(DC)	6	12.5	G 3/8	21.4	43.6	23.3	11.5	8.0	14.8	14	25.9	63.0	25
NSS 08-G01(DC)	8	14.8	G 1/8	14.7	31.5	16.2	7.0	6.0	18.3	8	24.9	20.0	25
NSS 08-G02(DC)	8	14.8	G 1/4	17.6	37.0	19.3	9.2	8.0	18.3	12	28.3	34.0	25
NSS 08-G03(DC)	8	14.8	G 3/8	20.8	43.6	24.6	11.5	8.0	18.3	14	29.3	64.0	25
NSS 08-G04(DC)	8	14.8	G 1/2	23.0	50.0	26.6	14.3	9.0	18.3	17	29.3	100.0	20
NSS 10-G02(DC)	10	17.5	G 1/4	17.6	37.0	20.3	9.2	8.0	20.2	12	30.7	38.0	20
NSS 10-G03(DC)	10	17.5	G 3/8	20.8	43.6	24.6	11.5	8.0	20.2	14	31.7	63.0	20
NSS 10-G04(DC)	10	17.5	G 1/2	22.9	50.0	26.7	14.3	9.0	20.2	17	33.1	103.0	12
NSS 12-G02(DC)	12	20.5	G 1/4	17.6	37.0	21.8	9.2	8.0	22.9	12	33.4	42.0	12
NSS 12-G03(DC)	12	20.5	G 3/8	20.8	43.6	24.6	11.5	8.0	22.9	14	34.4	65.0	12
NSS 12-G04(DC)	12	20.5	G 1/2	22.9	50.0	26.7	14.3	9.0	22.9	17	35.8	104.0	12

NSF

Metric



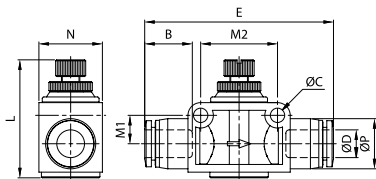
MODEL	ØD	ØP	L MIN	L MAX	E	N	ØC	B	M1	M2	WEIGHT (g)	BOX (EA)
NSF 04	4	10.5	26.4	28.9	42.0	12.0	3.2	14.8	5.4	15.4	13.0	50
NSF 06	6	12.5	33.5	37.9	49.5	16.0	4.3	16.4	7.8	20.4	28.0	50
NSF 08	8	14.8	35.5	41.5	56.5	19.0	4.3	18.3	8.5	23.0	45.0	25
NSF 10	10	17.5	40.7	48.7	63.1	23.0	4.3	20.2	10.6	27.6	84.0	20
NSF 12	12	20.5	45.0	53.5	73.5	26.5	4.5	22.9	11.9	32.4	123.0	15



Inch



MODEL	ØD	ØP	L MIN	L MAX	E	N	ØC	B	M1	M2	WEIGHT (g)	BOX (EA)
NSF 5/32	5/32	11.0	26.4	28.9	42.1	12.0	3.2	14.8	5.4	15.4	13.6	50
NSF 3/16	3/16	11.5	26.4	28.9	42.9	12.0	3.2	15.8	5.4	15.4	13.4	50
NSF 1/4	1/4	13.0	33.5	37.9	50.1	16.0	4.3	16.8	7.8	20.4	29.4	50
NSF 5/16	5/16	15.0	35.5	41.5	56.6	19.0	4.3	18.4	8.5	23.0	47.4	25
NSF 3/8	3/8	17.5	40.7	48.7	63.0	23.0	4.3	20.1	10.6	27.6	84.4	20
NSF 1/2	1/2	21.0	45.0	53.5	73.9	26.5	4.4	23.1	11.9	32.4	124.0	15



O

C

S

P

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S

C

T

S

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A

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C

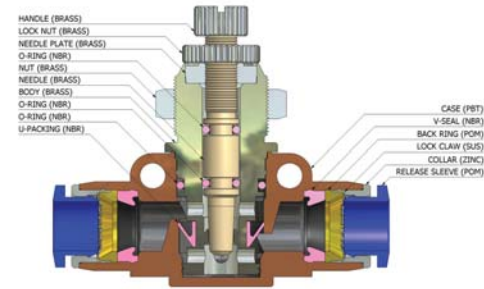
T

F

용도 및 특징

- Union 속도제어 밸브의 판넬 마운트 타입입니다
- 육각 너트에 의한 취부 및 분리가 편리 합니다
- 일정한 속도 제어가 가능합니다

Structural Diagram



NSFB

Metric



MODEL	ØD	ØP	T	L MIN	L MAX	A	E	N	ØC	B	H (Hex)	M1	M2	WEIGHT (g)	BOX (EA)
NSFB 04	4	11	M10×p1.0	35.3	37.9	5	42	12	3.2	14.8	12	5.4	15.4	18	50
NSFB 06	6	13	M14×p1.0	43.1	48.4	6	49.5	16	4.3	16.4	17	7.8	20.4	37	50
NSFB 08	8	15	M16×p1.0	46.7	53.1	6	56.5	19	4.3	18.3	19	8.5	23	67	25
NSFB 10	10	17.5	M18×p1.0	53.4	61.7	7	63.1	23	4.3	20.2	22	10.6	27.6	110	20
NSFB 12	12	20.5	M20×p1.0	57.4	64.6	7	73.5	26.5	4.4	22.9	24	11.9	32.4	151	15

Inch



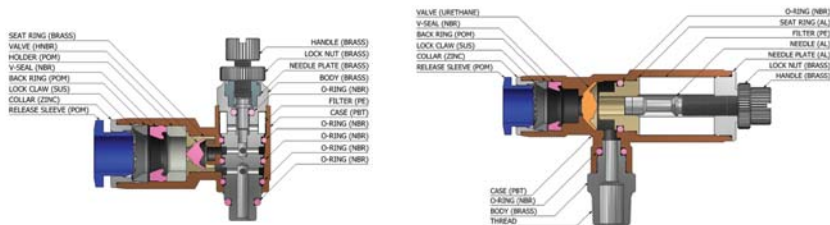
MODEL	ØD	ØP	T	L MIN	L MAX	A	E	N	ØC	B	H (Hex)	M1	M2	WEIGHT (g)	BOX (EA)
NSFB 5/32	5/32	11	M10×p1.0	35.3	37.9	5	42.1	12	3.2	15.3	12	5.4	15.4	18	50
NSFB 3/16	3/16	11.5	M10×p1.0	35.3	37.9	5	42.9	12	3.2	15.8	12	5.4	15.4	18	50
NSFB 1/4	1/4	13	M14×p1.0	43.1	48.4	6	50.1	16	4.3	16.8	17	7.8	20.4	37	50
NSFB 5/16	5/16	15	M16×p1.0	46.7	53.1	6	56.6	19	4.3	18.4	19	8.5	23	67	25
NSFB 3/8	3/8	17.5	M18×p1.0	53.4	61.7	7	63	23	4.3	20.1	22	10.6	27.6	110	20
NSFB 1/2	1/2	21	M20×p1.0	57.4	64.6	7	73.9	26.5	4.4	23.1	24	11.9	32.4	151	15

QUICK EXHAUST SPEED CONTROLLERS

용도 및 특징

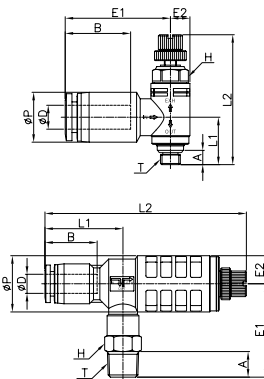
- 급속배기 밸브 + 배기속도 조절기 기능.
- 실린더의 고속구동 실현
- 소음기 내장형 속도조절 원터치 피팅.

Structural Diagram



ESC

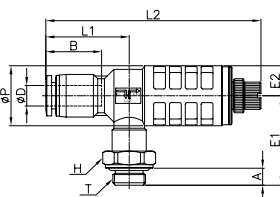
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
ESC 04-M3	4	10.3	M3×0.5p	11.9	32.2	34.7	25.8	4.9	3	14.8	8	11.4	25
ESC 04-M5	4	10.3	M5×0.8p	11.9	32.2	34.7	25.8	4.9	3.6	14.8	8	11.3	25
ESC 06-M5	6	12.5	M5×0.8p	11.9	32.2	34.7	26.4	4.9	3.6	16.5	8	12.3	25
ESC 06-S-01	6	12.5	R 1/8	24.5	63.3	72	29.3	8.8	8	16.5	10	21.5	20
ESC 06-S-02	6	12.5	R 1/4	24.5	63.3	72	31.3	8.8	10	16.5	14	26.3	20
ESC 08-S-01	8	14.8	R 1/8	26.5	65.1	71.7	29.3	8.8	8	18.3	10	22.5	20
ESC 08-S-02	8	14.8	R 1/4	26.5	65.1	71.7	31.3	8.8	10	18.3	14	27.4	20
ESC 08-M-01	8	14.8	R 1/8	29.8	73.2	82.3	34.5	12	8	18.3	14	40	15
ESC 08-M-02	8	14.8	R 1/4	29.8	73.2	82.3	37.5	12	10	18.3	14	42.9	15
ESC 08-M-03	8	14.8	R 3/8	29.8	73.2	82.3	38.5	12	11	18.3	17	48.5	15
ESC 10-M-01	10	17.5	R 1/8	31.7	75	84.1	34.5	12	8	20.1	14	41.7	15
ESC 10-M-02	10	17.5	R 1/4	31.7	75	84.1	37.5	12	10	20.1	14	44.7	15
ESC 10-M-03	10	17.5	R 3/8	31.7	75	84.1	38.5	12	11	20.1	17	50.2	15
ESC 10-L-02	10	17.5	R 1/4	34.4	80.1	88.6	42.4	15	10	20.1	19	72.5	9
ESC 10-L-03	10	17.5	R 3/8	34.4	80.1	88.6	43.4	15	11	20.1	19	76.5	9
ESC 10-L-04	10	17.5	R 1/2	34.4	80.1	88.6	46.4	15	14	20.1	21	85.2	9
ESC 12-L-02	12	20.5	R 1/4	37.1	83.1	91.6	42.4	15	10	23.1	19	75.2	9
ESC 12-L-03	12	20.5	R 3/8	37.1	83.1	91.6	43.4	15	11	23.1	19	79.2	9
ESC 12-L-04	12	20.5	R 1/2	37.1	83.1	91.6	46.4	15	14	23.1	21	88.1	9

ESC-G

Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
ESC 06-S-G01	6	12.5	G 1/8	24.5	63.3	72	26.3	8.8	5	16.5	14	-	20
ESC 06-S-G02	6	12.5	G 1/4	24.5	63.3	72	28.3	8.8	6.5	16.5	17	-	20
ESC 08-S-G01	8	14.8	G 1/8	26.5	65.1	71.7	26.3	8.8	5	18.3	14	-	20
ESC 08-S-G02	8	14.8	G 1/4	26.5	65.1	71.7	28.3	8.8	6.5	18.3	17	-	20
ESC 08-M-G01	8	14.8	G 1/8	29.8	73.2	82.3	31.5	12	5	18.3	14	-	15
ESC 08-M-G02	8	14.8	G 1/4	29.8	73.2	82.3	33.5	12	6.5	18.3	17	-	15
ESC 08-M-G03	8	14.8	G 3/8	29.8	73.2	82.3	33	12	6.5	18.3	20	-	15
ESC 10-M-G01	10	17.5	G 1/8	31.7	75	84.1	31.5	12	5	20.1	14	-	15
ESC 10-M-G02	10	17.5	G 1/4	31.7	75	84.1	33.5	12	6.5	20.1	17	-	15
ESC 10-M-G03	10	17.5	G 3/8	31.7	75	84.1	33	12	6.5	20.1	20	-	15
ESC 10-L-G02	10	17.5	G 1/4	34.4	80.1	88.6	38.4	15	6.5	20.1	19	-	9
ESC 10-L-G03	10	17.5	G 3/8	34.4	80.1	88.6	37.9	15	6.5	20.1	20	-	9
ESC 10-L-G04	10	17.5	G 1/2	34.4	80.1	88.6	39.4	15	8	20.1	24	-	9
ESC 12-L-G02	12	20.5	G 1/4	37.1	83.1	91.6	38.4	15	6.5	23.1	19	-	9
ESC 12-L-G03	12	20.5	G 3/8	37.1	83.1	91.6	37.9	15	6.5	23.1	20	-	9
ESC 12-L-G04	12	20.5	G 1/2	37.1	83.1	91.6	39.4	15	8	23.1	24	-	9

| Speed Controllers / Elbow Type (Metal Body)

용도
- 속도 제어 밸브의 Metal Body Type입니다.

특징
- 비용절감 및 작업공수를 최소화 할 수 있습니다
- 360도 회전 타입으로 배관의 자유로운 설정이 가능 합니다
- 일정한 속도 제어가 가능합니다

주의사항
- 사용하기 전에 반드시 안전상의 주의 및 경고표시의 분류방법(P9)과 피팅제품의 공통적 주의사항(P9)을 참조하여 주십시오.
- 누설이 없어야 하는 스톱밸브로는 사용할 수 없으며, 어느 정도의 누설을 허용하고 있으므로 누설량이 제로(0)를 필요로 하는 조건에서는 사용을 피하십시오.

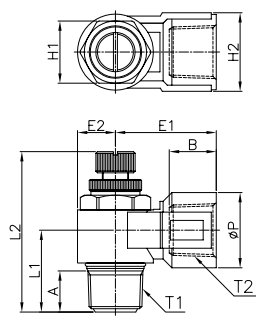
경고사항
- 에어 흐름제어 방향을 확인한 후 사용을 하십시오. 만약, 제어방향이 역방향으로 사용할 시 속도조절용 니들이 제대로 작동되지 않아 기기파손 및 역추에이터가 튀어 나가 인체의 부상이 발생할 위험성이 있습니다.
- 속도조절은 니들이 전부 잠근 상태에서 서서히 열면서 조절하여 주십시오.
- 니들 밸브의 회전수를 확인하여 사용하시고, 니들을 너무 회전하면 파손의 원인이 되므로 사용제품의 회전수를 확인하여 주십시오.
- 몸체나 피팅부에 강제적인 충격 및 회전을 시키지 마십시오. 제품파손 및 에어누설 원인이 될 가능성이 있습니다.

NSCF

Metric



MODEL	ØP	T1	A	T2	B	L1	L2 MIN	L2 MAX	E1	E2	H1	H2	WEIGHT (g)	BOX (EA)
NSCF 01	14.5	R 1/8	7.6	Rc 1/8	10	16	35.5	40.7	18.2	7.3	12	15	30.1	50
NSCF 02	18	R 1/4	10.6	Rc 1/4	13	21.1	40.3	46.6	26.5	9.5	15	19	60.2	25
NSCF 03	23	R 3/8	12.6	Rc 3/8	14.5	25	46.9	54.9	30.8	11.6	19	24	107	20
NSCF 04	26.5	R 1/2	14.5	Rc 1/2	19	29.1	54	60.1	38.7	14	24	28	170.1	15

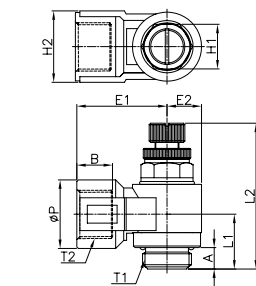


NSCF-G

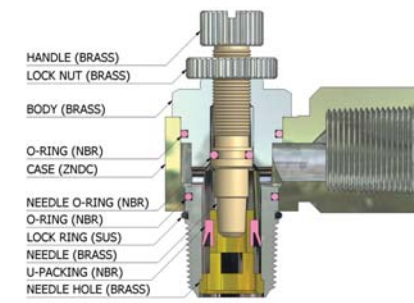
Metric-BSPT(R)



MODEL	ØP	T1	A	T2	B	L1	L2 MIN	L2 MAX	E1	E2	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
NSCF G01	14.5	G 1/8	6	G 1/8	9.5	14.8	35.5	40.7	17.7	7.3	8	15	-	50
NSCF G02	18.0	G 1/4	8	G 1/4	12.5	15.8	40.3	46.6	26.0	9.5	12	19	-	25
NSCF G03	23.0	G 3/8	8	G 3/8	14.0	18.4	46.9	54.9	30.3	11.6	15	24	-	20
NSCF G04	26.5	G 1/2	9	G 1/2	18.5	22.1	54.0	60.1	38.2	14.0	19	28	-	15



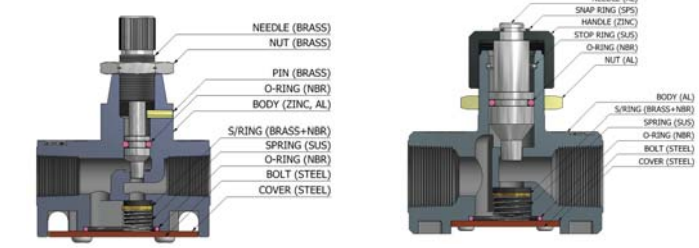
Structural Diagram



IN-LINE SPEED CONTROLLERS

용도 및 특징
- 배관형 속도 제어 밸브의 메탈 바디 타입.
- 좁은 지역의 공간활용을 위한 콤팩트 사이즈.
- 저유량 영역에서의 속도제어가 용이.
- 일정한 속도제어 가능.

Structural Diagram

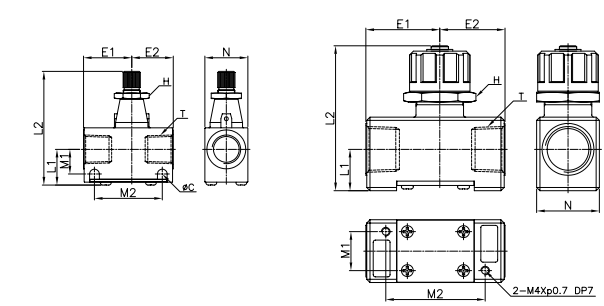


NSFF

Metric-BSPT(R)



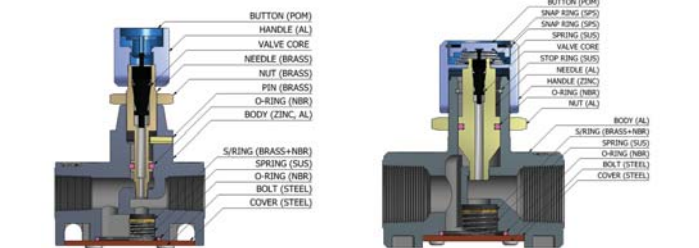
MODEL	T	L1	L2 MIN	L2 MAX	E1	E2	N	ØC	H (Hex)	M1	M2	WEIGHT (g)	BOX (EA)
NSFF 01	Rc1/8	15.5	49.8	54.8	22.2	16.1	16	4.5	12	10.1	28.8	84.9	15
NSFF 02	Rc1/4	17.1	52.5	57.7	22.3	19.2	19.9	4.5	12	11.4	31.4	116.9	15
NSFF 03	Rc3/8	20.5	62.1	69.7	31.3	24.7	26	5.4	12	13.1	45.2	118.8	8
NSFF 04	Rc1/2	19.1	67.4	77	34.2	30.2	29	-	29	18	46	176.9	6



IN-LINE SPEED CONTROLLERS WITH EXHAUST VALVE

용도 및 특징
- 잔압을 단순히 One Push로 배기가능.
- 기계 내부의 잔압을 제거한 상태에서 보수 및 점검 가능.

Structural Diagram

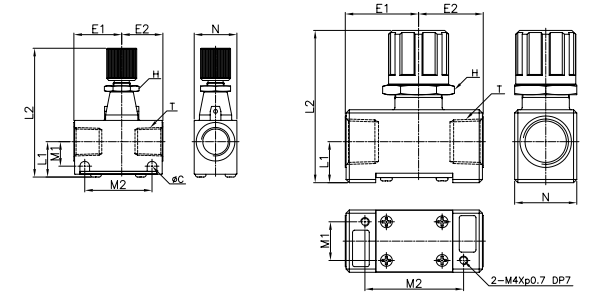


NSFP

Metric-BSPT(R)



MODEL	T	L1	L2 MIN	L2 MAX	E1	E2	N	ØC	H (Hex)	M1	M2	WEIGHT (g)	BOX (EA)
NSFP 01	Rc1/8	15.5	57.2	62.2	22.2	16.1	16	4.5	12	10.1	28.8	86.8	15
NSFP 02	Rc1/4	17.1	60.3	65.5	22.3	19.2	19.9	4.5	14	11.4	31.4	118.8	15
NSFP 03	Rc3/8	20.5	70.3	77.9	31.3	24.7	26	5.4	14	13.1	45.2	120.6	8
NSFP 04	Rc1/2	19.1	71	80.6	34.2	30.2	29	-	29	18	46	183.3	6

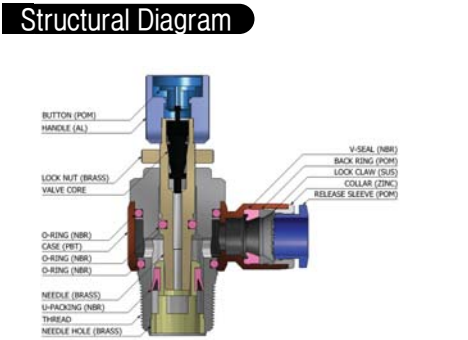


SPEED CONTROLLERS

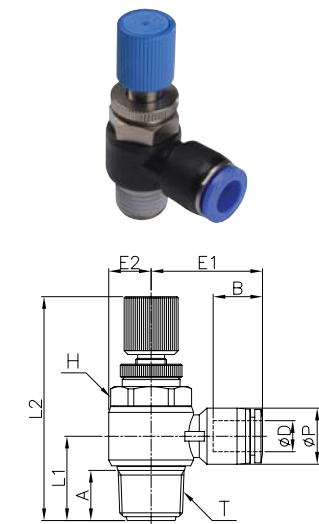
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SPEED CONTROLLERS WITH QUICK EXHAUST VALVE

- 용도 및 특징
- 속도제어 및 잔압 배출에 사용하는 밸브.
 - 미세한 유량조절로 유량제어가 용이.
 - 일정한 속도제어 가능.

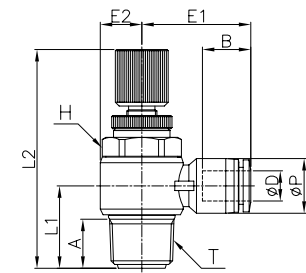


NSCP
Metric-BSPT(R)



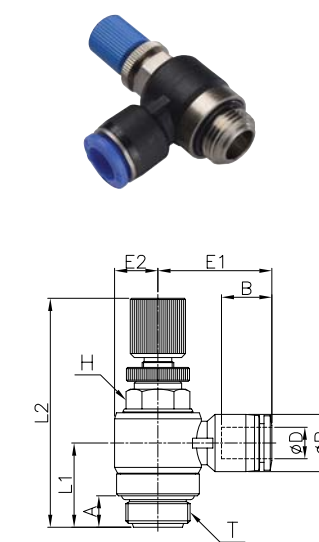
MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H	WEIGHT (g)	BOX (EA)
NSCP 04-01	4	10.5	R 1/8	15.1	52.4	57.6	23.3	7	8.2	15.3	11	29.1	25
NSCP 04-02	4	10.5	R 1/4	18.4	51.3	57.1	25.3	9	11	15.3	15	40.2	25
NSCP 06-01	6	12.5	R 1/8	15.1	52.4	57.6	24.2	7	8.2	16.4	11	29.8	25
NSCP 06-02	6	12.5	R 1/4	18.4	51.3	57.1	26.2	9	11	16.4	15	41.1	25
NSCP 06-03	6	12.5	R 3/8	21.9	57	64.4	27.7	11	12.2	16.4	19	65.7	25
NSCP 06-04	6	12.5	R 1/2	26.5	63.4	70.6	30.8	14	16.5	16.4	24	103	15
NSCP 08-01	8	14.5	R 1/8	16.2	52.4	57.6	25.9	7	8.2	18.3	11	30.8	25
NSCP 08-02	8	14.5	R 1/4	19.2	51.3	57.1	27.9	9	11	18.3	15	42.1	25
NSCP 08-03	8	14.5	R 3/8	21.9	57	64.4	28.9	11	12.2	18.3	19	66.6	25
NSCP 08-04	8	14.5	R 1/2	26.5	63.4	70.6	31.8	14	16.5	18.3	24	103.8	15
NSCP 10-01	10	17.5	R 1/8	17.7	52.4	57.6	27.9	7	8.2	19.7	11	32.6	25
NSCP 10-02	10	17.5	R 1/4	20.7	51.3	57.1	29.9	9	11	19.7	15	43.9	25
NSCP 10-03	10	17.5	R 3/8	23.2	57	64.4	31	11.2	12.2	19.7	19	68.3	25
NSCP 10-04	10	17.5	R 1/2	26.5	63.4	70.6	33.4	14	16.5	19.7	24	105.5	15
NSCP 12-02	12	20.5	R 1/4	22.2	51.3	57.1	33.3	9	11	22.4	15	46.9	25
NSCP 12-03	12	20.5	R 3/8	24	57	64.4	33.7	11.5	12.2	21.9	19	71.1	25
NSCP 12-04	12	20.5	R 1/2	28	63.4	70.6	36.1	14	16.5	21.9	24	107.9	15

Inch-NPT



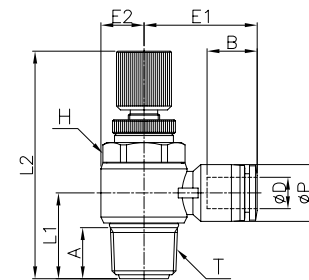
MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H
NSCP 5/32-N1	5/32	10.5	NPT 1/8	15.1	52.4	57.6	23.5	7.1	8.2	15.3	7/16
NSCP 5/32-N2	5/32	10.5	NPT 1/4	18.4	51.3	57.1	25.4	9.1	11	15.3	19/32
NSCP 3/16-N1	3/16	11.5	NPT 1/8	15.1	52.4	57.6	24.3	7.1	8.2	15.8	7/16
NSCP 3/16-N2	3/16	11.5	NPT 1/4	18.4	51.3	57.1	26.2	9.1	11	15.8	19/32
NSCP 3/16-N3	3/16	11.5	NPT 3/8	21.9	57	64.4	27.8	11.3	13.1	15.8	3/4
NSCP 1/4-N1	1/4	13	NPT 1/8	15.2	52.4	57.6	24.9	7.1	8.2	16.8	7/16
NSCP 1/4-N2	1/4	13	NPT 1/4	18.4	51.3	57.1	26.8	9.1	11	16.8	19/32
NSCP 1/4-N3	1/4	13	NPT 3/8	21.9	57	64.4	28.4	11.3	13.1	16.8	3/4
NSCP 5/16-N1	5/16	14.5	NPT 1/8	16.2	52.4	57.6	26.2	7.1	8.2	18.4	7/16
NSCP 5/16-N2	5/16	14.5	NPT 1/4	19.2	51.3	57.1	28.1	9.1	11	18.4	19/32
NSCP 5/16-N3	5/16	14.5	NPT 3/8	21.9	57	64.4	29.2	11.3	13.1	18.4	3/4
NSCP 5/16-N4	5/16	14.5	NPT 1/2	26.5	63.4	70.6	32	14	16.5	18.4	15/16
NSCP 3/8-N2	3/8	17.5	NPT 1/4	20.7	51.3	57.1	31	9.1	11	19.6	19/32
NSCP 3/8-N3	3/8	17.5	NPT 3/8	22.6	57	64.4	30.8	11.3	13.1	19.6	3/4
NSCP 3/8-N4	3/8	17.5	NPT 1/2	26.5	63.4	70.6	33	14	16.5	19.6	15/16
NSCP 1/2-N3	1/2	20.8	NPT 3/8	24.1	57	64.4	34	11.3	13.1	22	3/4
NSCP 1/2-N4	1/2	20.8	NPT 1/2	27.7	63.4	70.6	36.5	14	16.5	22.1	15/16

NSCP-G
Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H	WEIGHT (g)	BOX (EA)
NSCP 04-G01	4	10.5	G 1/8	15.1	52.4	57.6	23.3	7	6	15.3	11	30.3	25
NSCP 04-G02	4	10.5	G 1/4	17.6	51.3	57.1	25.3	9	8	15.3	12	39	25
NSCP 06-G01	6	12.5	G 1/8	15.1	52.4	57.6	24.2	7	6	16.4	11	31.1	25
NSCP 06-G02	6	12.5	G 1/4	17.6	51.3	57.1	26.2	9	8	16.4	12	39.7	25
NSCP 06-G03	6	12.5	G 3/8	21.4	57	64.4	27.7	11	8	16.4	14	63.7	25
NSCP 06-G04	6	12.5	G 1/2	22.9	63.4	70.6	30.8	14	9	16.4	17	97.5	15
NSCP 08-G01	8	14.5	G 1/8	14	52.4	57.6	25.9	7	6	18.3	11	32	25
NSCP 08-G02	8	14.5	G 1/4	16.9	51.3	57.1	27.9	9	8	18.3	12	40.8	25
NSCP 08-G03	8	14.5	G 3/8	21.4	57	64.4	28.9	11	8	18.3	14	64.7	25
NSCP 08-G04	8	14.5	G 1/2	22.9	63.4	70.6	31.8	14	9	18.3	17	98.5	15
NSCP 10-G01	10	17.5	G 1/8	17.7	52.4	57.6	28.1	7	6	19.7	11	33.8	25
NSCP 10-G02	10	17.5	G 1/4	18.9	51.3	57.1	29.9	9	8	19.7	12	42.5	25
NSCP 10-G03	10	17.5	G 3/8	20.1	57	64.4	31	11.2	8	19.7	14	66.3	25
NSCP 10-G04	10	17.5	G 1/2	22.9	63.4	70.6	33.4	14	9	19.7	17	99.8	15
NSCP 12-G02	12	20.5	G 1/4	20.4	51.3	57.1	33.3	9	8	22.4	12	45.4	25
NSCP 12-G03	12	20.5	G 3/8	19.3	57	64.4	33.7	11.5	8	21.9	14	69	25
NSCP 12-G04	12	20.5	G 1/2	21.7	63.4	70.6	36.1	14	9	21.9	17	102.8	15

Inch-BSPT(R)

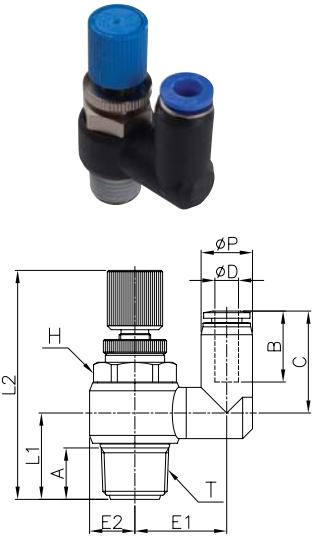


MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H
NSCP 1/4-01	1/4	13	R 1/8	15.2	52.4	57.6	24.9	7.1	8.2	16.8	11
NSCP 1/4-02	1/4	13	R 1/4	18.4	51.3	57.1	26.8	9.1	11	16.8	15
NSCP 5/16-01	5/16	14.5	R 1/8	16.2	52.4	57.6	26	7	8.2	18.4	11
NSCP 5/16-02	5/16	14.5	R 1/4	19.2	51.3	57.1	28	9	11	18.4	15
NSCP 5/16-03	5/16	14.5	R 3/8	21.9	57	64.4	29	11	12.2	18.4	19
NSCP 3/8-02	3/8	17.5	R 1/4	20.7	51.3	57.1	31	9.1	11	19.6	15
NSCP 3/8-03	3/8	17.5	R 3/8	22.7	57	64.4	30.8	11.3	12.2	19.6	19

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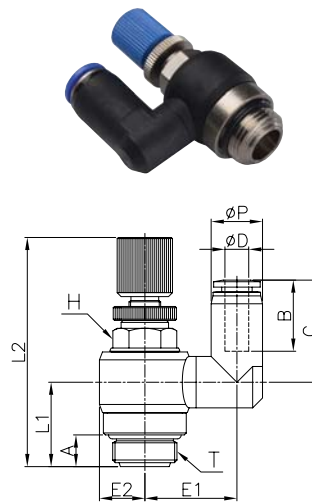
Metric-BSPT(R)



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H	C
NSSP 04-01	4	10.5	R 1/8	15.1	52.4	57.6	14.3	7	8.2	14.8	11	20.3
NSSP 04-02	4	10.5	R 1/4	18.4	51.3	57.1	17.8	9.2	11	14.8	15	20.3
NSSP 06-01	6	12.5	R 1/8	15.6	52.4	57.6	15	7	8.2	16.4	11	24
NSSP 06-02	6	12.5	R 1/4	18.4	51.3	57.1	20.3	9.2	11	16.4	15	25.9
NSSP 06-03	6	12.5	R 3/8	21.9	57	64.4	23.3	11.5	12.2	16.4	19	25.9
NSSP 08-01	8	14.8	R 1/8	15.6	52.4	57.6	16.2	7	8.2	18.3	11	24.9
NSSP 08-02	8	14.8	R 1/4	18.4	51.3	57.1	19.3	9.2	11	18.3	15	28.3
NSSP 08-03	8	14.8	R 3/8	22.4	57	64.4	24.6	11.5	12.2	18.3	19	29.3
NSSP 08-04	8	14.8	R 1/2	26.6	63.4	70.6	26.6	14.3	16.5	18.3	24	29.3
NSSP 10-02	10	17.5	R 1/4	18.4	51.3	57.1	20.3	9.2	11	20.2	15	30.7
NSSP 10-03	10	17.5	R 3/8	22.4	57	64.4	24.6	11.5	12.2	20.2	19	31.7
NSSP 10-04	10	17.5	R 1/2	26.7	63.4	70.6	26.7	14.3	16.5	20.2	24	33.1
NSSP 12-02	12	20.5	R 1/4	18.4	51.3	57.1	21.8	9.2	11	22.9	15	33.4
NSSP 12-03	12	20.5	R 3/8	22.4	57	64.4	24.6	11.5	12.2	22.9	19	34.4
NSSP 12-04	12	20.5	R 1/2	26.7	63.4	70.6	26.7	14.3	16.5	22.9	24	35.8

NSSP-G

Metric-BSPP(G)



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H	C
NSSP 04-G01	4	10.5	G 1/8	15.1	52.4	57.6	14.3	7	6	14.8	11	20.3
NSSP 04-G02	4	10.5	G 1/4	17.6	51.3	57.1	17.8	9.2	8	14.8	12	20.2
NSSP 06-G01	6	12.5	G 1/8	15.6	52.4	57.6	15	7	6	16.4	11	24
NSSP 06-G02	6	12.5	G 1/4	18.4	51.3	57.1	20.3	9.2	8	16.4	12	25.9
NSSP 06-G03	6	12.5	G 3/8	21.9	57	64.4	23.3	11.5	8	16.4	14	25.9
NSSP 08-G01	8	14.8	G 1/8	15.6	52.4	57.6	16.2	7	6	18.3	11	24.9
NSSP 08-G02	8	14.8	G 1/4	17.6	51.3	57.1	19.3	9.2	8	18.3	12	28.3
NSSP 08-G03	8	14.8	G 3/8	21.9	57	64.4	24.6	11.5	8	18.3	14	29.3
NSSP 08-G04	8	14.8	G 1/2	23	63.4	70.6	26.6	14.3	9	18.3	17	29.3
NSSP 10-G02	10	17.5	G 1/4	17.6	51.3	57.1	20.3	9.2	8	20.2	12	30.7
NSSP 10-G03	10	17.5	G 3/8	21.9	57	64.4	24.6	11.5	8	20.2	14	31.7
NSSP 10-G04	10	17.5	G 1/2	23.2	63.4	70.6	26.7	14.3	9	20.2	17	33.1
NSSP 12-G02	12	20.5	G 1/4	17.6	51.3	57.1	21.8	9.2	8	22.9	12	33.4
NSSP 12-G03	12	20.5	G 3/8	21.9	57	64.4	24.6	11.5	8	22.9	14	34.4
NSSP 12-G04	12	20.5	G 1/2	23.2	63.4	70.6	26.7	14.3	9	22.9	17	35.8

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Speed Controller with Pilot Check Valves

용도 Applications

- 실린더의 일시적인 중간정지의 실현
- 실린더의 속도조절 가능

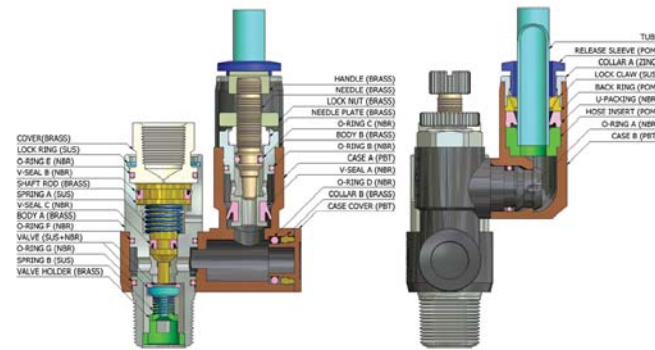
특징 Features

- 파이롯트 체크밸브와 스피드콘트롤러 일체화
- 튜브 취부 방향의 360도 자유로운 설정

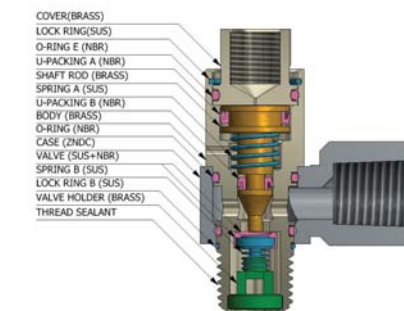
사양 Specifications

- 사용유체 Fluid type : 압축공기 Air (No other gases or liquids)
Do not use with water application
- 사용압력 Working pressure : 14.2~150PSI / 1~9.9kgf / (100~990kPa)
※적용Tube와의 조합에 있어서 Tube의 최고사용압력에 의거합니다
- 사용온도 범위 Working temperature : 32~140°F / 0~60°C
- 사용호스 종류 Applicable Tube : Polyurethane and Nylon

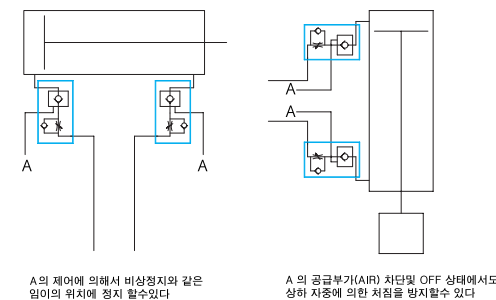
Structural Diagram PVSC



Structural Diagram PVSF



사용예



주문형식 Product Code System

METRIC - BSPT(R)

PVSC 06-01

Speed Controller
with Pilot Check
Valve Fitting

Tube Dia		Thread Size	
CODE	ØD	CODE	SIZE
06	Ø6	01	R1/8
08	Ø8	02	R1/4
10	Ø10	03	R3/8
12	Ø12	04	R1/2

BSPT(R)

PVSF 01

with Pilot Check
Valve Fitting

Thread Size	
CODE	SIZE
01	R1/8
02	R1/4
03	R3/8
04	R1/2

METRIC - BSPP(G)

PVSC 06-G01

Speed Controller
with Pilot Check
Valve Fitting

Tube Dia		Thread Size	
CODE	ØD	CODE	SIZE
06	Ø6	G01	G1/8
08	Ø8	G02	G1/4
10	Ø10	G03	G3/8
12	Ø12	G04	G1/2

BSPP(G)

PVSF G01

with Pilot Check
Valve Fitting

Thread Size	
CODE	SIZE
G01	G1/8
G02	G1/4
G03	G3/8
G04	G1/2

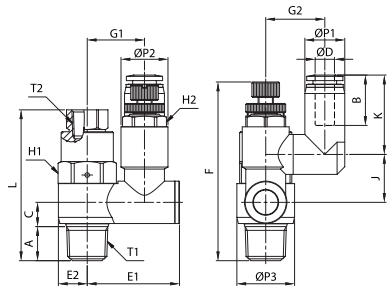
⚠ 주의사항

- 사용하시기 전에 반드시 안전상의 주의 및 경고표시의 분류방법(P9)과 피팅제품의 공통적 주의사항(P10)을 참조하여 주십시오.
 - 피팅의 체결 적정 토크를 참조하여 조립하기 바랍니다. (P9)
 - 기준으로는 손으로 체결한 후 공구로 2 - 3회전 하는 것에 해당합니다.
- 과도하게 체결할 시 밸브 본체 작동불량의 원인이 될 가능성이 있으므로 주의하여 사용하기 바랍니다.

⚠ 경고사항

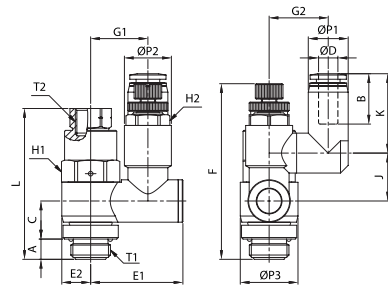
- 물체 나 피팅부에 강제적인 충격 및 회전을 시키지 마십시오.
- 밸브 본체에 절한 작동 빈도수가 많으면 본체에 열이 날 수 있으며, 이러한 경우에는 열로 인해 화상을 입을 수 있으므로 주의하기 바랍니다

PVSC
Metric-BSPT(R)



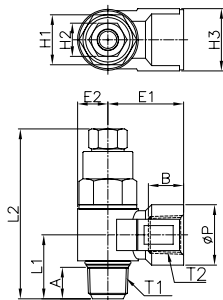
MODEL	ØD	A	T1	T2	B	ØP1	ØP2	ØP3	C	L	E1	E2	F(Mn)	F(Max)	G1	G2	J	K	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
PVSC 06-01	6	8.5	R 1/8	M5	16.4	12.5	12.0	14.2	7.6	41.0	24.2	7.1	50.6	55.4	14.3	14.2	12.9	24.0	12	10	39.6	20
PVSC 06-02	6	11.1	R 1/4	Rc1/8	16.4	13.0	15.3	18.8	7.9	49.1	30.1	9.4	57.1	61.9	18.7	19.3	15.6	25.9	17	13	71.4	20
PVSC 08-01	8	8.5	R 1/8	M5	18.3	14.8	12.0	14.2	7.9	41.0	24.2	7.1	50.6	55.4	14.3	15.4	12.6	24.9	12	10	41.6	20
PVSC 08-02	8	11.1	R 1/4	Rc1/8	18.3	14.8	15.3	18.8	7.6	49.1	30.1	9.4	57.1	61.9	18.7	18.3	15.9	28.3	17	13	76.4	20
PVSC 08-03	8	11.9	R 3/8	Rc1/8	18.3	15.0	20.2	23.0	10.6	56.9	37.1	11.5	67.2	72.2	22.8	23.3	19.1	29.3	19	17	128.9	9
PVSC 10-03	10	11.9	R 3/8	Rc1/8	20.2	17.5	20.2	23.0	10.6	56.9	37.1	11.5	67.2	72.2	22.8	23.3	19.1	31.7	19	17	130.9	9
PVSC 10-04	10	14.9	R 1/2	Rc1/4	20.2	17.5	27.2	28.7	13.1	70.8	47.4	14.4	81.3	87.0	29.1	26.3	25.6	33.1	24	23	244.6	6
PVSC 12-03	12	11.9	R 3/8	Rc1/8	22.9	20.5	20.2	23.0	10.6	56.9	37.1	11.5	67.2	72.2	22.8	23.3	19.1	34.4	19	17	138.9	6
PVSC 12-04	12	14.9	R 1/2	Rc1/4	22.9	20.5	27.2	28.7	13.1	70.8	47.4	14.4	81.3	87.0	29.1	26.3	25.6	35.8	24	23	234.6	6

PVSC-G
Metric-BSPP(G)



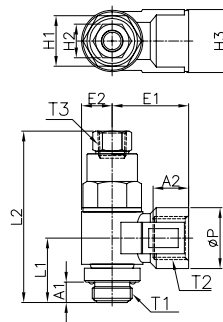
MODEL	ØD	A	T1	T2	B	ØP1	ØP2	ØP3	C	L	E1	E2	F(Mn)	F(Max)	G1	G2	J	K	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
PVSC 06-G01	6	5.1	G1/8	M5	16.4	12.5	12.0	14.2	10.9	41.0	24.2	7.1	50.6	55.4	14.3	14.2	12.9	24.0	12	10	44.6	20
PVSC 06-G02	6	6.6	G1/4	G1/8	16.4	13.0	15.3	18.8	12.4	49.1	30.1	9.4	57.1	61.9	18.7	19.3	15.6	25.9	17	13	79.4	20
PVSC 08-G01	8	5.1	G1/8	M5	18.3	14.8	12.0	14.2	10.9	41.0	24.2	7.1	50.6	55.4	14.3	15.4	12.6	24.9	12	10	42.6	20
PVSC 08-G02	8	6.6	G1/4	G1/8	18.3	14.8	15.3	18.8	12.4	49.1	30.1	9.4	57.1	61.9	18.7	18.3	15.9	28.3	17	13	80.4	20
PVSC 08-G03	8	7.2	G3/8	G1/8	18.3	15.0	20.2	23.0	15.3	56.9	37.1	11.5	67.2	72.2	22.8	23.3	19.1	29.3	19	17	124.9	9
PVSC 10-G03	10	7.2	G3/8	G1/8	20.2	17.5	20.2	23.0	15.3	56.9	37.1	11.5	67.2	72.2	22.8	23.3	19.1	31.7	19	17	137.9	9
PVSC 10-G04	10	8.7	G1/2	G1/4	20.2	17.5	27.2	28.7	19.3	70.8	47.4	14.4	81.3	78.5	29.1	26.3	25.6	33.1	24	23	252.6	6
PVSC 12-G03	12	7.2	G3/8	G1/8	22.9	20.5	20.2	23.0	15.3	56.9	37.1	11.5	67.2	72.2	22.8	23.3	19.1	34.4	19	17	145.9	6
PVSC 12-G04	12	8.7	G1/2	G1/4	22.9	20.5	27.2	28.7	19.3	70.8	47.4	14.4	81.3	78.5	29.1	26.3	25.6	35.8	24	23	238.6	6

PVSF
BSPT(R)



MODEL	ØP	T1	A	T2	B	L1	L2	E1	E2	H1(Hex)	H2(Hex)	H3	WEIGHT(g)	BOX(EA)
PVSF 01	14.5	R 1/8	7.6	Rc 1/8	10	15.4	40.8	18.2	7.3	12	8	15	34.5	25
PVSF 02	18	R 1/4	10.6	Rc 1/4	13	21.1	48.9	26.5	9.5	17	12	19	74.6	25
PVSF 03	23	R 3/8	12.6	Rc 3/8	14.5	24.8	56.7	30.8	11.6	20	12	24	123.4	15
PVSF 04	26.5	R 1/2	14.5	Rc 1/2	19	31	70.6	38.7	14	24	17	28	207.2	12

PVSF-G
BSPP(G)



MODEL	ØP	T1	A1	T2	A2	T3	L1	L2	E1	E2	H1(Hex)	H2(Hex)	H3	WEIGHT(g)	BOX(EA)
PVSF G01	14.5	G 1/8	5.1	G 1/8	9.5	M5	16.2	40.8	17.7	7.3	12	8	15	-	25
PVSF G02	18.0	G 1/4	6.6	G 1/4	12.5	Rc 1/8	21.3	48.9	26.0	9.5	17	12	19	-	25
PVSF G03	23.0	G 3/8	7.2	G 3/8	14.0	Rc 1/8	24.8	56.7	30.3	11.6	20	12	24	-	15
PVSF G04	26.5	G 1/2	8.7	G 1/2	18.5	Rc 1/4	29.6	70.6	38.2	14	24	17	28	-	12

Hand Valves



Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Speed Controller with Pilot Check Valves
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings (Brass)

Hand Valves METRIC - BSPT(R)

page	150	152	154	155
Model	HVC	HVF	HVU	HVM

METRIC - BSPP(G)

page	150	152	155
Model	HVC-G	HVF-G	HVM-G
			

Hand Slide Valves

page	156
Model	HSV

Ball Valves

page	157
Model	HBVU

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Hand Valves / Hand Slide Valves / Ball Valves

용도 Applications

- 기기에 공기압의 압력을 개폐하는 데 사용합니다.

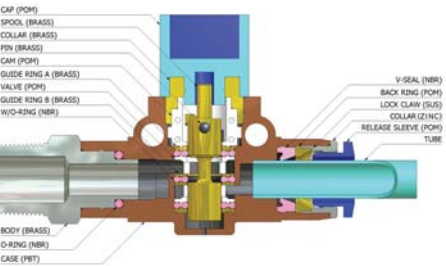
특징 Features

- 공기압기기의 압축공기를 단순히 손잡이를 돌려서 on/off 시킵니다.
- 기계 내부의 잔류압을 제거한 상태에서 보수나 점검을 할 수 있습니다.
- 3방향 밸브는 off시 기계측의 잔류압을 대기로 방출함과 동시에 유입되는 공기를 차단합니다.
- 공기압 흐름의 적용방법에 따라 4가지 Type이 있습니다.

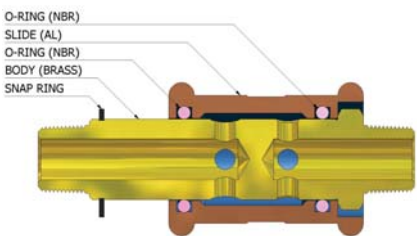
사양 Specifications

- 사용유체 Fluid type : 압축공기 Air(No other gases or liquids) Do not use with water application
- 사용압력 Working pressure : 0~150PSI / 0~9.9kgf/cm²(0~990kPa)
※ 적용Tube와의 조합에 있어서 Tube의 최고 사용압력에 의거합니다
- 부압Negative pressure: -29.5 in Hg / -750mmHg(750Torr)
- 사용온도 범위 Working temperature: 32~140° F / 0~60°C
- 사용호스 종류 Applicable Tube: Polyurethane and Nylon

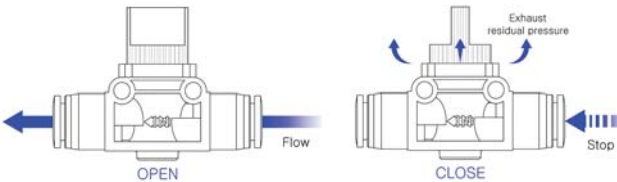
Structural Diagram



HSV Structural Diagram



사용예



- 튜브 연결 시 튜브 끝 부분까지 피팅에 밀어 넣은 후 사용하고, 튜브 탈착 시 압축 Air를 차단한 후 Sleeve를 가볍게 눌러서 튜브를 빼면 됩니다.
- 핸드밸브는 3WAY방식으로 잔류 Air를 배출하기 때문에 AIR 외의 다른 유체사용 시 누수현상이 발생됨으로 사용 용도에 맞게 사용하시기 바랍니다.

핸드밸브

⚠ 주의사항

- 사용하시기 전에 반드시 안전상의 주의 및 경고표시의 분류방법(P9)과 피팅제품의 공통적 주의사항(P10)을 참조하여 주십시오.

⚠ 경고사항

- 몸체 나 피팅부에 강제적인 충격 및 회전을 시키지 마십시오.
- 진공에서 사용할 시 흡입된 먼지 및 이물질로 인해 작동불량의 원인이 될 가능성이 있으므로 흡입되는 측에 진공필터를 부착하여 사용하시기 바랍니다.
- 핸들레버 조작시 확실히 90°가 되도록 돌려 사용하십시오.
- 핸들레버가 완전히 90°로 조작하여 사용하지 않을시 절환 불충분으로 유량부족 및 유량이 원활하게 흐르지 않습니다.

핸드 슬라이드 밸브

⚠ 주의사항

- 사용하시기 전에 반드시 안전상의 주의 및 경고표시의 분류방법(P9)과 피팅제품의 공통적 주의사항(P10)을 참조하여 주십시오.
- 핸들레버 조작시 좌우로 완전히 작동하여 주십시오. 핸들레버가 완전히 좌우로 조작하여 사용하지 않을시 절환 불충분으로 유량부족 및 유량이 원활하게 흐르지 않습니다.

⚠ 경고사항

- 몸체 나 피팅부에 강제적인 충격 및 회전을 시키지 마십시오. 제품파손 및 에어누설 원인이 될 가능성이 유발됩니다.
- Air흐름제어 방향을 확인한 후 사용을 하십시오
- 기계보수 및 점검을 실시할 경우에는 반드시 전원이나 Air를 차단하고 배관의 잔류압을 완전히 제거한 후 사용하시기 바랍니다.

주문형식 Product Code System

METRIC - BSPT(R)

HVC 06-01

HAND VALVE

Tube Dia

Thread Size

CODE	φD	CODE	SIZE
06	φ6	01	R1/8
08	φ8	02	R1/4
10	φ10	03	R3/8
12	φ12	04	R1/2

METRIC - BSPP(G)

HVC 06-G01

HAND VALVE

Tube Dia

Thread Size

CODE	φD	CODE	SIZE
06	φ6	G01	G1/8
08	φ8	G02	G1/4
10	φ10	G03	G3/8
12	φ12	G04	G1/2

INCH - NPT

HVC 1/4-N1

HAND VALVE

Tube Dia

Thread Size

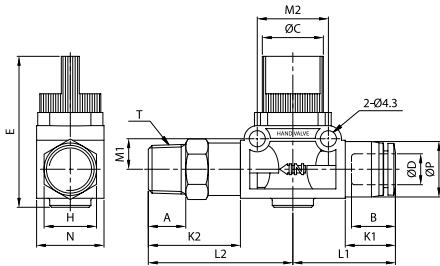
CODE	ØD	CODE	SIZE
1/4	1/4"	N1	NPT1/8
5/16	5/16"	N2	NPT1/4
3/8	3/8"	N3	NPT3/8
1/2	1/2"	N4	NPT1/2

HVC

Metric-BSPT(R)



MODEL	ØD	T	ØP	H (Hex)	ØC	N	E	B	A	K1	K2	L1	L2	M1	M2	WEIGHT (g)	BOX (EA)
HVC 04-01	4	R 1/8	10.5	14	16.3	18.0	40.3	14.8	8.0	11.1	21.6	25.1	35.6	8.2	19.0	33.0	25
HVC 04-02	4	R 1/4	10.5	14	16.3	18.0	40.3	14.8	10.0	11.1	24.6	25.1	38.6	8.2	19.0	36.1	25
HVC 04-03	4	R 3/8	10.5	17	16.3	18.0	40.3	14.8	11.0	11.1	25.6	25.1	39.6	8.2	19.0	41.3	25
HVC 06-01	6	R 1/8	12.5	14	16.3	18.0	40.3	16.4	8.0	12.2	21.6	26.2	35.6	8.2	19.0	37.0	25
HVC 06-02	6	R 1/4	12.5	14	16.3	18.0	40.3	16.4	10.0	12.2	24.6	26.2	38.6	8.2	19.0	37.0	25
HVC 06-03	6	R 3/8	12.5	17	16.3	18.0	40.3	16.4	11.0	12.2	25.6	26.2	39.6	8.2	19.0	47.0	25
HVC 08-01	8	R 1/8	14.8	14	16.3	18.0	40.3	18.3	8.0	13.4	21.6	27.4	35.6	8.2	19.0	35.0	25
HVC 08-02	8	R 1/4	14.8	14	16.3	18.0	40.3	18.3	10.0	13.4	24.6	27.4	38.6	8.2	19.0	41.0	25
HVC 08-03	8	R 3/8	14.8	17	16.3	18.0	40.3	18.3	11.0	13.4	25.6	27.4	39.6	8.2	19.0	48.0	25
HVC 10-02	10	R 1/4	17.5	17	19.3	21.2	40.5	20.2	10.0	14.5	23.0	31.0	39.5	10.9	24.0	58.0	20
HVC 10-03	10	R 3/8	17.5	17	19.3	21.2	40.5	20.2	11.0	14.5	24.0	31.0	40.5	10.9	24.0	61.0	20
HVC 10-04	10	R 1/2	17.5	21	19.3	21.2	40.5	20.2	14.0	14.5	27.0	31.0	43.5	10.9	24.0	82.0	20
HVC 12-02	12	R 1/4	20.5	19	19.3	21.2	40.5	22.9	10.0	17.6	24.6	34.1	41.1	10.9	24.0	69.0	20
HVC 12-03	12	R 3/8	20.5	19	19.3	21.2	40.5	22.9	11.0	17.6	25.6	34.1	42.1	10.9	24.0	68.0	20
HVC 12-04	12	R 1/2	20.5	21	19.3	21.2	40.5	22.9	14.0	17.6	28.6	34.1	45.1	10.9	24.0	76.0	20

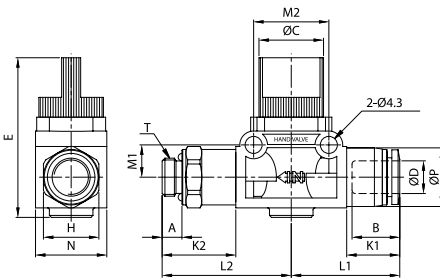


HVC-G

Metric-BSPP(G)

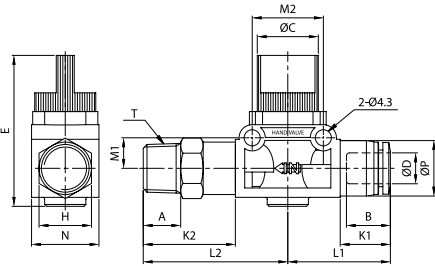


MODEL	ØD	T	ØP	H (Hex)	ØC	N	E	B	A	K1	K2	L1	L2	M1	M2	WEIGHT (g)	BOX (EA)
HVC 04-G01	4	G 1/8	10.5	14	16.3	18.0	40.3	14.8	5.0	11.1	18.6	25.1	32.6	8.2	19.0	31.0	25
HVC 04-G02	4	G 1/4	10.5	17	16.3	18.0	40.3	14.8	6.5	11.1	20.6	25.1	34.6	8.2	19.0	35.9	25
HVC 04-G03	4	G 3/8	10.5	20	16.3	18.0	40.3	14.8	6.5	11.1	20.1	25.1	34.1	8.2	19.0	38.9	25
HVC 06-G01	6	G 1/8	12.5	14	16.3	18.0	40.3	16.4	5.0	12.2	18.6	26.2	32.6	8.2	19.0	37.0	25
HVC 06-G02	6	G 1/4	12.5	17	16.3	18.0	40.3	16.4	6.5	12.2	20.6	26.2	34.6	8.2	19.0	37.0	25
HVC 06-G03	6	G 3/8	12.5	20	16.3	18.0	40.3	16.4	6.5	12.2	20.1	26.2	34.1	8.2	19.0	47.0	25
HVC 08-G01	8	G 1/8	14.8	14	16.3	18.0	40.3	18.3	5.0	13.4	18.6	27.4	32.6	8.2	19.0	35.0	25
HVC 08-G02	8	G 1/4	14.8	17	16.3	18.0	40.3	18.3	6.5	13.4	20.6	27.4	34.6	8.2	19.0	41.0	25
HVC 08-G03	8	G 3/8	14.8	20	16.3	18.0	40.3	18.3	6.5	13.4	20.1	27.4	34.1	8.2	19.0	48.0	25
HVC 10-G02	10	G 1/4	17.5	17	19.3	21.2	40.5	20.2	6.5	14.5	19.0	31.0	35.5	10.9	24.0	58.0	20
HVC 10-G03	10	G 3/8	17.5	20	19.3	21.2	40.5	20.2	6.5	14.5	18.5	31.0	35.0	10.9	24.0	61.0	20
HVC 10-G04	10	G 1/2	17.5	24	19.3	21.2	40.5	20.2	8.0	14.5	20.0	31.0	36.5	10.9	24.0	82.0	20
HVC 12-G02	12	G 1/4	20.5	19	19.3	21.2	40.5	22.9	6.5	17.6	20.6	34.1	37.1	10.9	24.0	69.0	20
HVC 12-G03	12	G 3/8	20.5	20	19.3	21.2	40.5	22.9	6.5	17.6	20.1	34.1	36.6	10.9	24.0	68.0	20
HVC 12-G04	12	G 1/2	20.5	24	19.3	21.2	40.5	22.9	8.0	17.6	21.6	34.1	38.1	10.9	24.0	76.0	20



Inch-NPT

MODEL	ØD	T	ØP	H (Hex)	ØC	N	E	B	A	K1	K2	L1	L2	M1	M2	WEIGHT (g)	BOX (EA)
HVC 1/4-N1	1/4	NPT 1/8	13.0	9/16	16.3	18.0	40.3	16.8	8.5	12.5	23.1	26.5	37.1	8.2	19.0	30.7	25
HVC 1/4-N2	1/4	NPT 1/4	13.0	9/16	16.3	18.0	40.3	16.8	10.5	12.5	25.1	26.5	39.1	8.2	19.0	38.7	25
HVC 1/4-N3	1/4	NPT 3/8	13.0	11/16	16.3	18.0	40.3	16.8	11.5	12.5	26.1	26.5	40.1	8.2	19.0	45.7	25
HVC 5/16-N1	5/16	NPT 1/8	14.8	9/16	16.3	18.0	40.3	18.4	8.5	13.5	23.1	27.5	37.1	8.2	19.0	34.7	25
HVC 5/16-N2	5/16	NPT 1/4	14.8	9/16	16.3	18.0	40.3	18.4	10.5	13.5	25.1	27.5	39.1	8.2	19.0	38.7	25
HVC 5/16-N3	5/16	NPT 3/8	14.8	11/16	16.3	18.0	40.3	18.4	11.5	13.5	26.1	27.5	40.1	8.2	19.0	46.7	25
HVC 3/8-N2	3/8	NPT 1/4	17.5	11/16	19.3	21.2	40.5	20.1	10.5	14.4	23.5	30.9	40.0	10.9	24.0	60.2	20
HVC 3/8-N3	3/8	NPT 3/8	17.5	11/16	19.3	21.2	40.5	20.1	11.5	14.4	24.5	30.9	41.0	10.9	24.0	77.2	20
HVC 3/8-N4	3/8	NPT 1/2	17.5	7/8	19.3	21.2	40.5	20.1	14.5	14.4	27.5	30.9	44.0	10.9	24.0	74.2	20
HVC 1/2-N2	1/2	NPT 1/4	21.0	3/4	19.3	21.2	40.5	23.1	10.5	17.8	25.1	34.3	41.6	10.9	24.0	69.0	20
HVC 1/2-N3	1/2	NPT 3/8	21.0	3/4	19.3	21.2	40.5	23.1	11.5	17.8	26.1	34.3	42.6	10.9	24.0	84.0	20
HVC 1/2-N4	1/2	NPT 1/2	21.0	7/8	19.3	21.2	40.5	23.1	14.5	17.8	29.1	34.3	45.6	10.9	24.0	89.0	20



HAND VALVES

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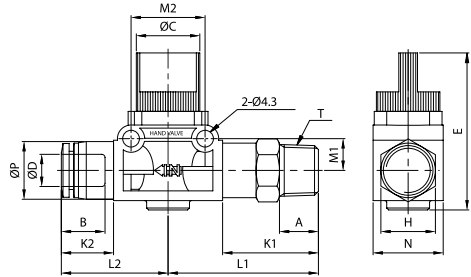
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HVF

BSPT(R)-Metric



MODEL	T	ØD	H (Hex)	ØP	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	WEIGHT (g)	BOX (EA)
HVF 01-04	R 1/8	4	14	10.5	16.3	18.0	40.3	8.0	14.8	21.6	11.1	35.6	25.1	8.2	19.0	33.0	25
HVF 02-04	R 1/4	4	14	10.5	16.3	18.0	40.3	10.0	14.8	24.6	11.1	38.6	25.1	8.2	19.0	36.1	25
HVF 03-04	R 3/8	4	17	10.5	16.3	18.0	40.3	11.0	14.8	25.6	11.1	39.6	25.1	8.2	19.0	41.3	25
HVF 01-06	R 1/8	6	14	12.5	16.3	18.0	40.3	8.0	16.4	21.6	12.2	35.6	26.2	8.2	19.0	37.0	25
HVF 02-06	R 1/4	6	14	12.5	16.3	18.0	40.3	10.0	16.4	24.6	12.2	38.6	26.2	8.2	19.0	37.0	25
HVF 03-06	R 3/8	6	17	12.5	16.3	18.0	40.3	11.0	16.4	25.6	12.2	39.6	26.2	8.2	19.0	47.0	25
HVF 01-08	R 1/8	8	14	14.8	16.3	18.0	40.3	8.0	18.3	21.6	13.4	35.6	27.4	8.2	19.0	35.0	25
HVF 02-08	R 1/4	8	14	14.8	16.3	18.0	40.3	10.0	18.3	24.6	13.4	38.6	27.4	8.2	19.0	41.0	25
HVF 03-08	R 3/8	8	17	14.8	16.3	18.0	40.3	11.0	18.3	25.6	13.4	39.6	27.4	8.2	19.0	48.0	25
HVF 02-10	R 1/4	10	17	17.5	19.3	21.2	40.5	10.0	20.2	23.0	14.5	39.5	31.0	10.9	24.0	58.0	20
HVF 03-10	R 3/8	10	17	17.5	19.3	21.2	40.5	11.0	20.2	24.0	14.5	40.5	31.0	10.9	24.0	61.0	20
HVF 04-10	R 1/2	10	21	17.5	19.3	21.2	40.5	14.0	20.2	27.0	14.5	43.5	31.0	10.9	24.0	82.0	20
HVF 02-12	R 1/4	12	19	20.5	19.3	21.2	40.5	10.0	22.9	24.6	17.6	41.1	34.1	10.9	24.0	69.0	20
HVF 03-12	R 3/8	12	19	20.5	19.3	21.2	40.5	11.0	22.9	25.6	17.6	42.1	34.1	10.9	24.0	68.0	20
HVF 04-12	R 1/2	12	21	20.5	19.3	21.2	40.5	14.0	22.9	28.6	17.6	45.1	34.1	10.9	24.0	76.0	20

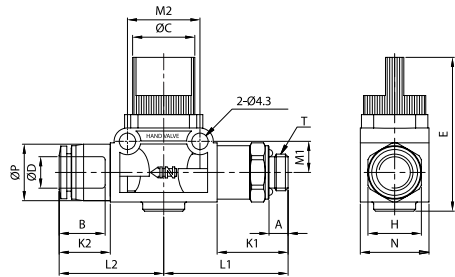


HVF-G

BSPP(G)-Metric

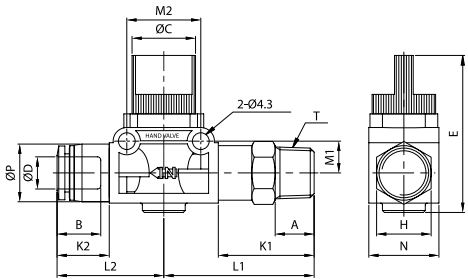


MODEL	T	ØD	H (Hex)	ØP	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	WEIGHT (g)	BOX (EA)
HVF G01-04	G 1/8	4	14	10.5	16.3	18.0	40.3	5.0	14.8	18.6	11.1	32.6	25.1	8.2	19.0	31.0	25
HVF G02-04	G 1/4	4	17	10.5	16.3	18.0	40.3	6.5	14.8	20.6	11.1	34.6	25.1	8.2	19.0	35.9	25
HVF G03-04	G 3/8	4	20	10.5	16.3	18.0	40.3	6.5	14.8	20.1	11.1	34.1	25.1	8.2	19.0	35.9	25
HVF G01-06	G 1/8	6	14	12.5	16.3	18.0	40.3	5.0	16.4	18.6	12.2	32.6	26.2	8.2	19.0	37.0	25
HVF G02-06	G 1/4	6	17	12.5	16.3	18.0	40.3	6.5	16.4	20.6	12.2	34.6	26.2	8.2	19.0	37.0	25
HVF G03-06	G 3/8	6	20	12.5	16.3	18.0	40.3	6.5	16.4	20.1	12.2	34.1	26.2	8.2	19.0	47.0	25
HVF G01-08	G 1/8	8	14	14.8	16.3	18.0	40.3	5.0	18.3	18.6	13.4	32.6	27.4	8.2	19.0	35.0	25
HVF G02-08	G 1/4	8	17	14.8	16.3	18.0	40.3	6.5	18.3	20.6	13.4	34.6	27.4	8.2	19.0	41.0	25
HVF G03-08	G 3/8	8	20	14.8	16.3	18.0	40.3	6.5	18.3	20.1	13.4	34.1	27.4	8.2	19.0	48.0	25
HVF G02-10	G 1/4	10	17	17.5	19.3	21.2	40.5	6.5	20.2	19.0	14.5	35.5	31.0	10.9	24.0	58.0	20
HVF G03-10	G 3/8	10	20	17.5	19.3	21.2	40.5	6.5	20.2	18.5	14.5	35.0	31.0	10.9	24.0	61.0	20
HVF G04-10	G 1/2	10	24	17.5	19.3	21.2	40.5	8.0	20.2	20.0	14.5	36.5	31.0	10.9	24.0	82.0	20
HVF G02-12	G 1/4	12	19	20.5	19.3	21.2	40.5	6.5	22.9	20.6	17.6	37.1	34.1	10.9	24.0	69.0	20
HVF G03-12	G 3/8	12	20	20.5	19.3	21.2	40.5	6.5	22.9	20.1	17.6	36.6	34.1	10.9	24.0	68.0	20
HVF G04-12	G 1/2	12	24	20.5	19.3	21.2	40.5	8.0	22.9	21.6	17.6	38.1	34.1	10.9	24.0	76.0	20



NPT-Inch

MODEL	T	ØD	H (Hex)	ØP	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	WEIGHT (g)	BOX (EA)
HVF N1-1/4	NPT 1/8	1/4	9/16	13.0	16.3	18.0	40.3	8.5	16.8	23.1	12.5	37.1	26.5	8.2	19.0	30.7	25
HVF N2-1/4	NPT 1/4	1/4	9/16	13.0	16.3	18.0	40.3	10.5	16.8	25.1	12.5	39.1	26.5	8.2	19.0	38.7	25
HVF N3-1/4	NPT 3/8	1/4	11/16	13.0	16.3	18.0	40.3	11.5	16.8	26.1	12.5	40.1	26.5	8.2	19.0	45.7	25
HVF N1-5/16	NPT 1/8	5/16	9/16	14.8	16.3	18.0	40.3	8.5	18.4	23.1	13.5	37.1	27.5	8.2	19.0	34.7	25
HVF N2-5/16	NPT 1/4	5/16	9/16	14.8	16.3	18.0	40.3	10.5	18.4	25.1	13.5	39.1	27.5	8.2	19.0	38.7	25
HVF N3-5/16	NPT 3/8	5/16	11/16	14.8	16.3	18.0	40.3	11.5	18.4	26.1	13.5	40.1	27.5	8.2	19.0	46.7	25
HVF N2-3/8	NPT 1/4	3/8	11/16	17.5	19.3	21.2	40.5	10.5	20.1	23.5	14.4	40.0	30.9	10.9	24.0	54.2	20
HVF N3-3/8	NPT 3/8	3/8	11/16	17.5	19.3	21.2	40.5	11.5	20.1	24.5	14.4	41.0	30.9	10.9	24.0	60.2	20
HVF N4-3/8	NPT 1/2	3/8	7/8	17.5	19.3	21.2	40.5	14.5	20.1	27.5	14.4	44.0	30.9	10.9	24.0	77.2	20
HVF N2-1/2	NPT 1/4	1/2	3/4	21.0	19.3	21.2	40.5	10.5	23.1	25.1	17.8	41.6	34.3	10.9	24.0	69.0	20
HVF N3-1/2	NPT 3/8	1/2	3/4	21.0	19.3	21.2	40.5	11.5	23.1	26.1	17.8	42.6	34.3	10.9	24.0	74.0	20
HVF N4-1/2	NPT 1/2	1/2	7/8	21.0	19.3	21.2	40.5	14.5	23.1	29.1	17.8	45.6	34.3	10.9	24.0	84.0	20

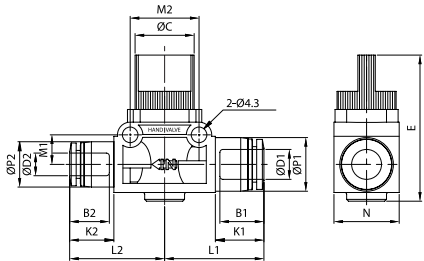


HVU

Metric

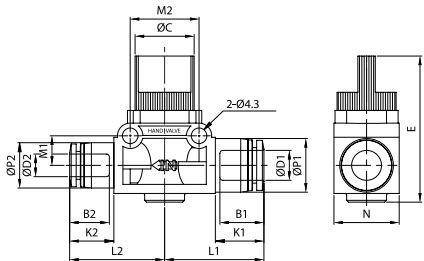


MODEL	ØD1	ØD2	ØP1	ØP2	ØC	N	E	B1	B2	K1	K2	L1	L2	M1	M2	WEIGHT (g)	BOX (EA)
HVU 04-04	4	4	10.5	10.5	16.3	18.0	40.3	14.8	14.8	11.1	11.1	25.1	25.1	8.2	19.0	22.5	25
HVU 06-06	6	6	12.5	12.5	16.3	18.0	40.3	16.4	16.4	12.2	12.2	26.2	26.2	8.2	19.0	27.0	25
HVU 08-06	8	6	14.8	12.5	16.3	18.0	40.3	18.3	16.4	13.4	12.2	27.4	26.2	8.2	19.0	27.0	25
HVU 08-08	8	8	14.8	14.8	16.3	18.0	40.3	18.3	18.3	13.4	13.4	27.4	27.4	8.2	19.0	28.0	25
HVU 10-08	10	8	17.5	14.8	19.3	21.2	40.5	20.2	18.3	14.5	13.4	31.0	27.4	10.9	24.0	41.0	20
HVU 10-10	10	10	17.5	17.5	19.3	21.2	40.5	20.2	20.2	14.5	14.5	31.0	31.0	10.9	24.0	42.0	20
HVU 12-10	12	10	20.5	17.5	19.3	21.2	40.5	22.9	20.2	17.6	14.5	34.1	31.0	10.9	24.0	45.0	20
HVU 12-12	12	12	20.5	20.5	19.3	21.2	40.5	22.9	22.9	17.6	17.6	34.1	34.1	10.9	24.0	47.0	20



Inch

MODEL	ØD1	ØD2	ØP1	ØP2	ØC	N	E	B1	B2	K1	K2	L1	L2	M1	M2	WEIGHT (g)	BOX (EA)
HVU 1/4-1/4	1/4	1/4	13.0	13.0	16.3	18.0	40.3	16.8	16.8	12.5	12.5	26.5	26.5	8.2	19.0	22.4	25
HVU 5/16-1/4	5/16	1/4	14.8	13.0	16.3	18.0	40.3	18.4	16.8	13.5	12.5	27.5	26.5	8.2	19.0	23.4	25
HVU 5/16-5/16	5/16	5/16	14.8	14.8	16.3	18.0	40.3	18.4	18.4	13.5	13.5	27.5	27.5	8.2	19.0	24.4	25
HVU 3/8-5/16	3/8	5/16	17.5	14.8	19.3	21.2	40.5	20.1	18.4	14.4	13.5	30.9	27.5	10.9	24.0	37.9	20
HVU 3/8-3/8	3/8	3/8	17.5	17.5	19.3	21.2	40.5	20.1	20.1	14.4	14.4	30.9	30.9	10.9	24.0	40.4	20
HVU 1/2-3/8	1/2	3/8	21.0	17.5	19.3	21.2	40.5	23.1	20.1	17.8	14.4	34.3	30.9	10.9	24.0	41.2	20
HVU 1/2-1/2	1/2	1/2	21.0	21.0	19.3	21.2	40.5	23.1	23.1	17.8	17.8	34.3	34.3	10.9	24.0	47.0	20

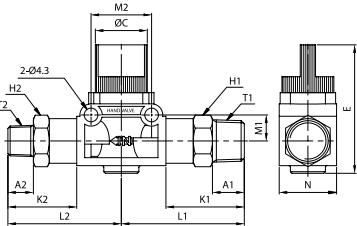


HVM

BSPT(R)



MODEL	T1	T2	H1 (Hex)	H2 (Hex)	ØC	N	E	A1	A2	K1	K2	L1	L2	M1	M2	WEIGHT (g)	BOX (EA)
HVM 01-01	R1/8	R1/8	14	14	16.3	18.0	40.3	8.0	8.0	21.6	21.6	35.6	35.6	8.2	19.0	47.0	25
HVM 02-01	R1/4	R1/4	14	14	16.3	18.0	40.3	10.0	8.0	24.6	21.6	38.6	35.6	8.2	19.0	49.0	25
HVM 02-02	R1/4	R1/4	14	14	16.3	18.0	40.3	10.0	10.0	24.6	24.6	38.6	38.6	8.2	19.0	50.0	25
HVM 03-02	R3/8	R3/8	17	17	19.3	21.2	40.5	11.0	10.0	24.0	24.6	40.5	38.6	10.9	24.0	64.0	20
HVM 03-03	R3/8	R3/8	17	17	19.3	21.2	40.5	11.0	11.0	24.0	24.0	40.5	40.5	10.9	24.0	83.0	20
HVM 04-03	R1/2	R1/2	21	19	19.3	21.2	40.5	14.0	11.0	28.6	24.0	45.1	40.5	10.9	24.0	103.0	15
HVM 04-04	R1/2	R1/2	21	21	19.3	21.2	40.5	14.0	14.0	28.6	28.6	45.1	45.1	10.9	24.0	121.0	15

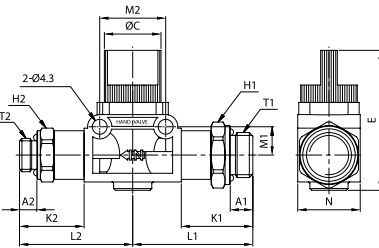


HVM-G

BSPP(G)

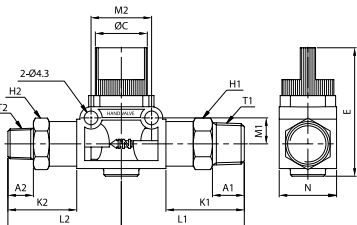


MODEL	T1	T2	H1 (Hex)	H2 (Hex)	ØC	N	E	A1	A2	K1	K2	L1	L2	M1	M2	WEIGHT (g)	BOX (EA)
HVM G01-G01	G 1/8	G 1/8	14	14	16.3	18.0	40.3	5.0	5.0	18.6	18.6	32.6	32.6	8.2	19.0	47.0	25
HVM G02-G01	G 1/4	G 1/8	17	14	16.3	18.0	40.3	6.5	5.0	20.6	18.6	34.6	32.6	8.2	19.0	49.0	25
HVM G02-G02	G 1/4	G 1/4	17	17	16.3	18.0	40.3	6.5	6.5	20.6	20.6	34.6	34.6	8.2	19.0	50.0	25
HVM G03-G02	G 3/8	G 1/4	20	17	19.3	21.2	40.5	6.5	6.5	18.5	20.6	35.0	34.6	10.9	24.0	64.0	15
HVM G03-G03	G 3/8	G 3/8	20	20	19.3	21.2	40.5	6.5	6.5	18.5	18.5	35.0	35.0	10.9	24.0	83.0	15
HVM G04-G03	G 1/2	G 3/8	24	20	19.3	21.2	40.5	8.0	6.5	21.6	18.5	38.1	35.0	10.9	24.0	103.0	15
HVM G04-G04	G 1/2	G 1/2	24	24	19.3	21.2	40.5	8.0	8.0	21.6	21.6	38.1	38.1	10.9	24.0	121.0	15



NPT

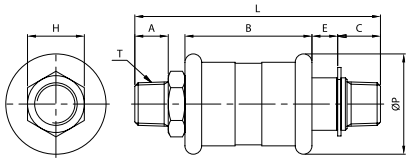
MODEL	T1	T2	H1 (Hex)	H2 (Hex)	ØC	N	E	A1	A2	K1	K2	L1	L2	M1	M2	WEIGHT (g)	BOX (EA)
HVM N1-N1	NPT 1/8	NPT 1/8	9/16	9/16	16.3	18.0	40.3	8.5	8.5	23.1	23.1	37.1	37.1	8.2	19.0	40.0	25
HVM N2-N1	NPT 1/4	NPT 1/8	9/16	9/16	16.3	18.0	40.3	10.5	8.5	25.1	23.1	39.1	37.1	8.2	19.0	47.0	25
HVM N2-N2	NPT 1/4	NPT 1/4	9/16	9/16	16.3	18.0	40.3	10.5	10.5	25.1	25.1	39.1	39.1	8.2	19.0	54.0	25
HVM N3-N2	NPT 3/8	NPT 1/4	11/1	11/1	19.3	21.2	40.5	11.5	10.5	24.5	25.1	41.0	39.1	10.9	24.0	88.0	20
HVM N3-N3	NPT 3/8	NPT 3/8	6	6	19.3	21.2	40.5	11.5	11.5	24.5	24.5	41.0	41.0	10.9	24.0	92.0	20
HVM N4-N3	NPT 1/2	NPT 3/8	6	11/1	19.3	21.2	40.5	14.5	11.5	29.1	24.5	45.6	41.0	10.9	24.0	106.0	15
HVM N4-N4	NPT 1/2	NPT 1/2	7/8	6	19.3	21.2	40.5	14.5	14.5	29.1	29.1	45.6	45.6	10.9	24.0	119.0	15



HSV
BSPT(R)



MODEL	ØP	T	L	E	C	A	B	H (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
HSV M5	19.0	M5×0.8p	45.0	6.0	7.0	4.1	23.0	9	2.6	24.0	50
HSV 01	24.0	R 1/8	54.0	7.2	10.8	8.0	24.0	14	5.0	45.0	25
HSV 02	30.0	R 1/4	73.5	7.7	12.8	10.0	38.0	17	8.0	112.0	12
HSV 03	41.0	R 3/8	83.0	8.0	14.0	11.0	44.0	27	10.0	276.0	6
HSV 04	41.0	R 1/2	89.0	8.0	17.0	14.0	44.0	27	13.0	270.0	6
HSV 06	49.0	R 3/4	104.5	12.5	18.0	15.0	48.0	32	18.8	407.0	4



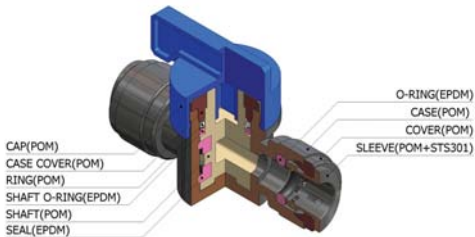
용 도 Applications

- 압축공기 및 물의 공급을 개폐 (on/off) 하는 밸브 입니다
- 공기 및 물에 사용 가능

특 징 Features

- 소형이어서 작은 공간에서도 사용이 편리 합니다
- TUBE SIZE에 맞게 사용 가능하며 TUBE SIZE 만큼의 유효 단면적을 확보 할 수 있습니다.

Structural Diagram

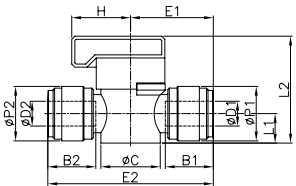


HBVU

Metric
Equal Straight



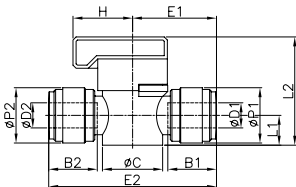
MODEL	ØD1	ØD2	B1	B2	ØP1	ØP2	L1	L2	E1	E2	H	ØC	WEIGHT (g)	BOX (EA)
HBVU 0606	6	6	16.1	16.1	15.5	15.5	9.5	34.5	25.9	51.7	19	19.2	16	25
HBVU 0808	8	8	17.5	17.5	17.6	17.6	9.5	34.5	26.8	53.5	19	19.2	17.4	25
HBVU 1010	10	10	20.1	20.1	20	20	12.5	42.3	31.5	63	26.3	24.2	29	15
HBVU 1212	12	12	23.7	23.7	23	23	12.5	42.3	35.2	70.4	26.3	24.2	35.4	15



Inch
Equal Straight



MODEL	ØD1	ØD2	B1	B2	ØP1	ØP2	L1	L2	E1	E2	H	ØC	WEIGHT (g)	BOX (EA)
HBVU 1/4~1/4	1/4	1/4	16.1	16.1	15.5	15.5	9.5	34.5	25.9	51.7	19	19.2	16	25
HBVU 5/16~5/16	5/16	5/16	17.5	17.5	17.6	17.6	9.5	34.5	26.8	53.5	19	19.2	17.4	25
HBVU 3/8~3/8	3/8	3/8	20.2	20.2	20	20	12.5	42.3	31.6	63.2	26.3	24.2	29	15
HBVU 1/2~1/2	1/2	1/2	23.9	23.9	23	23	12.5	42.3	35.4	70.8	26.3	24.2	35.4	15



Stop Fittings



Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Speed Controller with Pilot Check Valves
- Hand Valves
- **Stop Fittings**
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings (Brass)

METRIC - BSPT(R)

page	162	164	166
Model	SPC	SPL	SPU

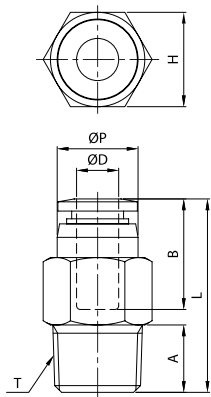
METRIC - BSPP(G)

page	162	164
Model	SPC-G	SPL-G

STOP FITTINGS

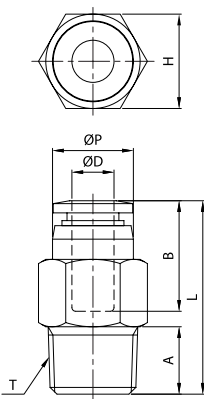
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SPC
Metric-BSPT(R)



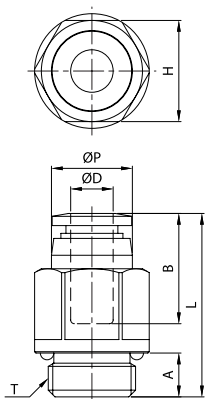
MODEL	ØD	ØP	T	L	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
SPC 04-01	4	10.0	R 1/8	26.1	8.0	15.3	10	10.0	100
SPC 06-01	6	12.0	R 1/8	28.7	8.0	16.9	12	13.0	100
SPC 06-02	6	12.0	R 1/4	28.7	10.0	16.9	14	20.0	50
SPC 08-02	8	14.0	R 1/4	33.3	10.0	18.6	14	20.0	50
SPC 08-03	8	14.0	R 3/8	33.3	11.0	18.6	17	36.0	50
SPC 10-02	10	17.0	R 1/4	36.4	10.0	20.3	17	48.0	50
SPC 10-03	10	17.0	R 3/8	37.6	11.0	20.3	17	36.0	50
SPC 10-04	10	17.0	R 1/2	38.4	14.0	20.3	21	60.0	50
SPC 12-02	12	19.0	R 1/4	44.7	10.0	22.6	19	48.0	50
SPC 12-03	12	19.0	R 3/8	44.6	11.0	22.6	19	49.0	25
SPC 12-04	12	19.0	R 1/2	44.6	14.0	22.6	21	64.0	25

Inch-NPT



MODEL	ØD	ØP	T	L	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
SPC 5/32-N1	5/32	10.0	NPT 1/8	26.1	8.5	15.3	7/16	11.8	100
SPC 3/16-N1	3/16	11.0	NPT 1/8	27.3	8.5	16.3	7/16	13.8	100
SPC 3/16-N2	3/16	11.0	NPT 1/4	27.3	10.5	16.3	9/16	21.8	100
SPC 1/4-N1	1/4	12.7	NPT 1/8	29.8	8.5	17.3	1/2	14.8	100
SPC 1/4-N2	1/4	12.7	NPT 1/4	29.8	10.5	17.3	9/16	22.8	50
SPC 5/16-N1	5/16	14.0	NPT 1/8	33.4	8.5	18.7	9/16	18.7	50
SPC 5/16-N2	5/16	14.0	NPT 1/4	33.4	10.5	18.7	9/16	17.7	50
SPC 5/16-N3	5/16	14.0	NPT 3/8	33.4	11.5	18.7	11/16	37.7	50
SPC 3/8-N2	3/8	16.7	NPT 1/4	36.4	10.5	19.9	11/16	29.4	50
SPC 3/8-N3	3/8	16.7	NPT 3/8	37.6	11.5	19.9	11/16	36.4	50
SPC 3/8-N4	3/8	16.7	NPT 1/2	38.4	14.5	19.9	7/8	59.4	50
SPC 1/2-N3	1/2	20.6	NPT 3/8	45.0	11.5	23.0	7/8	62.1	25
SPC 1/2-N4	1/2	20.6	NPT 1/2	45.0	14.5	23.0	7/8	70.1	25

SPC-G
Metric-BSPP(G)

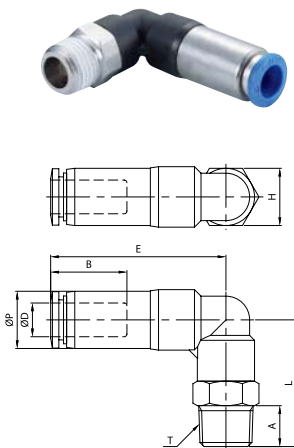


MODEL	ØD	ØP	T	L	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
SPC 04-G01	4	10.3	G 1/8	25.5	5.0	15.3	12	10.0	100
SPC 06-G01	6	12.0	G 1/8	27.7	5.0	16.9	12	13.0	100
SPC 06-G02	6	12.0	G 1/4	27.2	6.5	16.9	15	20.0	50
SPC 08-G02	8	14.0	G 1/4	31.9	6.5	18.6	15	20.0	50
SPC 08-G03	8	14.0	G 3/8	31.9	6.5	18.6	17	36.0	50
SPC 10-G02	10	17.0	G 1/4	34.9	6.5	20.3	17	48.0	50
SPC 10-G03	10	17.0	G 3/8	36.4	6.5	20.3	17	36.0	50
SPC 10-G04	10	17.0	G 1/2	37.4	8.0	20.3	21	60.0	50
SPC 12-G02	12	19.0	G 1/4	43.2	6.5	22.6	19	48.0	50
SPC 12-G03	12	19.0	G 3/8	43.2	6.5	22.6	21	49.0	25
SPC 12-G04	12	19.0	G 1/2	43.7	8.0	22.6	21	64.0	25

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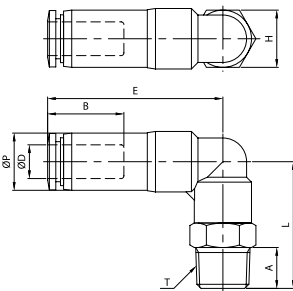
SPL

Metric-BSPT(R)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
SPL 04-M5	4	10.0	M5×0.8p	20.5	29.5	4.0	14.8	10	13.0	100
SPL 04-M6	4	10.0	M6×1.0p	20.6	29.5	4.1	14.8	10	14.0	100
SPL 04-01	4	10.0	R 1/8	24.5	29.5	8.0	14.8	10	15.0	50
SPL 06-M5	6	12.0	M5×0.8p	22.5	32.8	4.0	16.4	12	19.0	100
SPL 06-01	6	12.0	R 1/8	26.5	32.8	8.0	16.4	12	22.0	50
SPL 06-02	6	12.0	R 1/4	29.5	32.8	10.0	16.4	14	27.0	50
SPL 08-01	8	14.0	R 1/8	28.0	42.9	8.0	18.4	14	32.0	50
SPL 08-02	8	14.0	R 1/4	31.0	42.9	10.0	18.4	14	38.0	50
SPL 08-03	8	14.0	R 3/8	32.0	42.9	11.0	18.4	17	44.0	50
SPL 10-02	10	17.0	R 1/4	31.5	49.0	10.0	20.2	17	57.0	25
SPL 10-03	10	17.0	R 3/8	32.5	49.0	11.0	20.2	17	64.0	25
SPL 10-04	10	17.0	R 1/2	35.5	49.0	14.0	20.2	21	80.0	25
SPL 12-03	12	19.0	R 3/8	35.4	57.5	11.0	22.4	19	78.0	25
SPL 12-04	12	19.0	R 1/2	38.4	57.5	14.0	22.4	21	91.0	25

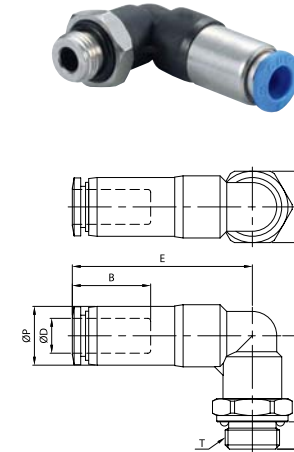
Inch-NPT



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
SPL 5/32-U	5/32	10.0	UNF 10/32	21.4	29.5	3.5	14.8	7/16	15.8	100
SPL 5/32-N1	5/32	10.0	NPT 1/8	25.0	29.5	8.5	14.8	7/16	19.8	50
SPL 3/16-U	3/16	11.0	UNF 10/32	21.4	30.5	3.5	15.8	7/16	19.8	100
SPL 3/16-N1	3/16	11.0	NPT 1/8	25.0	30.5	8.5	15.8	7/16	20.8	50
SPL 3/16-N2	3/16	11.0	NPT 1/4	28.0	30.5	10.5	15.8	9/16	30.8	50
SPL 1/4-U	1/4	12.6	UNF 10/32	25.9	33.3	3.5	16.9	1/2	22.8	100
SPL 1/4-N1	1/4	12.6	NPT 1/8	27.8	33.3	8.5	16.9	1/2	24.8	50
SPL 1/4-N2	1/4	12.6	NPT 1/4	30.5	33.3	10.5	16.9	9/16	31.8	50
SPL 5/16-N1	5/16	14.0	NPT 1/8	29.5	43.0	8.5	18.5	9/16	29.7	50
SPL 5/16-N2	5/16	14.0	NPT 1/4	31.5	43.0	10.5	18.5	9/16	36.7	50
SPL 5/16-N3	5/16	14.0	NPT 3/8	32.5	43.0	11.5	18.5	11/16	47.7	50
SPL 3/8-N2	3/8	17.0	NPT 1/4	32.0	48.9	10.5	20.0	11/16	56.4	25
SPL 3/8-N3	3/8	17.0	NPT 3/8	33.0	48.9	11.5	20.0	11/16	66.4	25
SPL 3/8-N4	3/8	17.0	NPT 1/2	36.0	48.9	14.5	20.0	7/8	76.4	25
SPL 1/2-N3	1/2	20.0	NPT 3/8	36.5	56.3	11.5	22.7	3/4	82.1	25
SPL 1/2-N4	1/2	20.0	NPT 1/2	39.5	56.3	14.5	22.7	7/8	103.1	25

SPL-G

Metric-BSPP(G)



MODEL	ØD	ØP	T	L	E	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
SPL 04-G01	4	10.0	G 1/8	21.5	29.5	5.0	14.8	14	15.0	50
SPL 06-G01	6	12.0	G 1/8	23.5	32.8	5.0	16.4	14	22.0	50
SPL 06-G02	6	12.0	G 1/4	25.5	32.8	6.5	16.4	17	27.0	50
SPL 08-G02	8	14.0	G 1/4	27.0	42.9	6.5	18.4	17	38.0	50
SPL 08-G03	8	14.0	G 3/8	26.5	42.9	6.5	18.4	20	44.0	50
SPL 10-G02	10	17.0	G 1/4	27.5	49.0	6.5	20.2	17	57.0	25
SPL 10-G03	10	17.0	G 3/8	27.0	49.0	6.5	20.2	20	64.0	25
SPL 10-G04	10	17.0	G 1/2	28.5	49.0	8.0	20.2	24	80.0	25
SPL 12-G03	12	19.0	G 3/8	29.9	57.5	6.5	22.4	20	78.0	25
SPL 12-G04	12	19.0	G 1/2	31.4	57.5	8.0	22.4	24	91.0	25

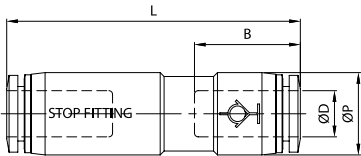
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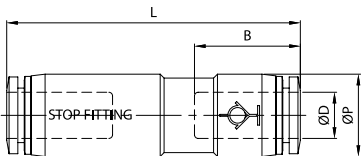


MODEL	ØD	ØP	L	B	WEIGHT (g)	BOX (EA)
SPU 04	4	10.5	41.7	16.2	5.0	50
SPU 06	6	12.5	45.9	17.4	8.0	50
SPU 08	8	14.8	52.8	18.9	11.0	50
SPU 10	10	17.5	58.3	20.4	19.0	50
SPU 12	12	20.5	67.1	23.0	30.0	25



Inch

MODEL	ØD	ØP	L	B	WEIGHT (g)	BOX (EA)
SPU 5/32	5/32	10.5	41.8	16.2	6.6	50
SPU 3/16	3/16	11.5	43.4	16.8	7.4	50
SPU 1/4	1/4	13.0	46.9	18.0	8.4	50
SPU 5/16	5/16	14.8	52.9	19.0	12.4	50
SPU 3/8	3/8	17.5	58.4	20.3	21.4	50
SPU 1/2	1/2	21.0	67.7	23.4	36.0	25



STOP FITTINGS

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Check Valves



Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Speed Controller with Pilot Check Valves
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings (Brass)

METRIC - BSPT(R)

page	172	174	175	175
Model	CVPC	CVPF	CVPU	CVFF
				

METRIC - BSPP(G)

page	172	174	175
Model	CVPC-G	CVPF-G	CVFF-G
			

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Check Valves

용도 Applications

- 공기의 흐름이 단 방향으로만 통과를 하는 곳에 사용합니다.
- 배기쪽의 공기 압력이 일정하게 유지되기를 원하는 곳에 사용합니다.

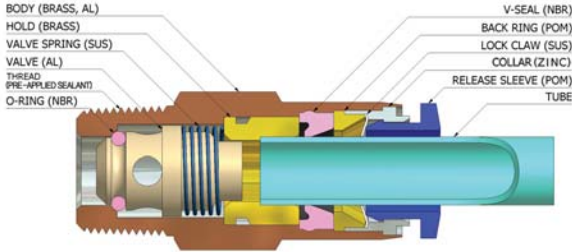
특징 Features

- 저압상태에서 사용되는 기기들의 배관에 적합합니다.
- 한 쪽 방향으로 입력된 압축공기는 흐르게 하고 반대 방향의 공기흐름을 차단하여 진공라인의 보호, 유지 및 저압조건에 환경에 용이하게 사용 가능합니다.
- 양 방향이 암나사이며 메탈 바디 타입(CVFF)

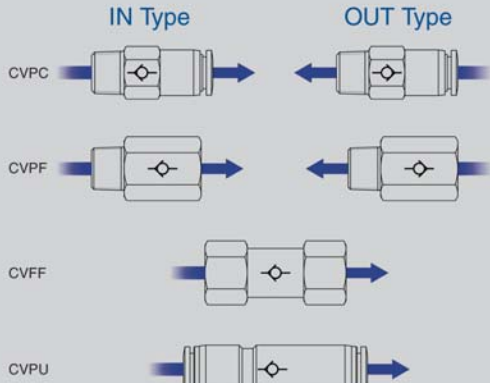
사양 Specifications

- 사용유체 Fluid type : 압축공기 Air(No other gases or liquids)
Do not use with water application
- 사용압력 Working pressure: 150PSI / 9.9kgf/cm²(990kPa)
※적용Tube와의 조합에 있어서 Tube의 최고 사용압력에 의거합니다
- Cracking pressure: 150PSI / 0.1~0.2kgf/cm²
- 부압: -29.5 in Hg / -750mmHg(750Torr)
- 사용온도 범위 Working temperature: 32~140° F / 0~60°C
- 사용호스 종류 Applicable Tube: Polyurethane and Nylon

Structural Diagram



사용예



⚠ 주의사항

- 사용하시기 전에 반드시 안전상의 주의 및 경고표시의 분류방법(P9)과 피팅제품의 공통적 주의사항(P10)을 참조하여 주십시오.
- 피팅의 체결 적정 토오크를 참조하여 조립하기 바랍니다. (P9)
- 기준으로는 손으로 체결한 후 공구로 2 - 3회전 하는 것에 해당합니다. 과도하게 체결할 시 밸브 본체 작동불량의 원인이 될 가능성이 있으므로 주의하여 사용하기 바랍니다.

⚠ 경고사항

- 몸체 나 피팅부에 강제적인 충격 및 회전을 시키지 마십시오.
- 밸브 본체에 절한 작동 빈도수가 많으면 본체에 열이 날 수 있으며, 이러한 경우에는 열로 인해 화상을 입을 수 있으므로 주의하기 바랍니다

주문형식 Product Code System

METRIC - BSPT(R)

CVPC 08-01-MO

CHECK VALVES		Tube Dia		Thread Size		Control Method
CODE	φD	CODE	SIZE	CODE	SIZE	METER-OUT CODE No Signal METER-IN CODE IN
04	φ4	M5	M5×0.8			
06	φ6	01	R1/8			
08	φ8	02	R1/4			
10	φ10	03	R3/8			
12	φ12	04	R1/2			

METRIC - BSPP(G)

CVPC 08-G01-MO

CHECK VALVES		Tube Dia		Thread Size		Control Method
CODE	φD	CODE	SIZE	CODE	SIZE	METER-OUT CODE No Signal METER-IN CODE IN
04	φ4	G01	G1/8			
06	φ6	G02	G1/4			
08	φ8	G03	G3/8			
10	φ10	G04	G1/2			
12	φ12					

INCH - NPT

CVPC 5/16-N1-MO

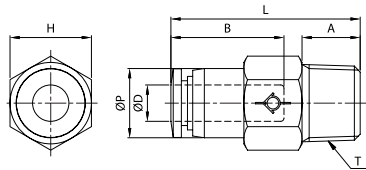
CHECK VALVES		Tube Dia		Thread Size		Control Method
CODE	SIZE	CODE	SIZE	CODE	SIZE	METER-OUT CODE No Signal METER-IN CODE IN
1/4	1/4"	U	10-32UNF			
5/16	5/16"	N1	NPT1/8			
3/8	3/8"	N2	NPT1/4			
1/2	1/2"	N3	NPT3/8			
		N4	NPT1/2			

CVPC

Metric-**BSPT(R)**

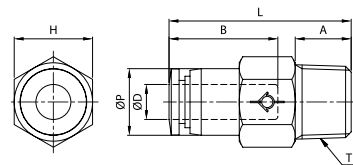


MODEL	ØD	ØP	T	L	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
CVPC 04-M5	4	10.0	M5×0.8p	31.4	3.6	14.8	10	11.0	100
CVPC 04-M6	4	10.0	M6×1.0p	30.4	4.6	14.8	10	11.0	100
CVPC 04-01	4	10.0	R 1/8	27.3	8.0	14.8	10	11.0	100
CVPC 06-01	6	11.9	R 1/8	32.5	8.0	16.4	12	16.0	100
CVPC 06-02	6	11.9	R 1/4	32.5	10.0	16.4	14	24.0	50
CVPC 08-01	8	14.0	R 1/8	34.9	8.0	18.4	14	21.0	50
CVPC 08-02	8	14.0	R 1/4	37.2	10.0	18.4	14	24.0	50
CVPC 10-03	10	23.0	R 3/8	56.3	11.0	20.2	22	35.0	20
CVPC 10-04	10	23.0	R 1/2	58.3	14.0	20.2	22	41.0	20
CVPC 12-03	12	25.0	R 3/8	62.2	11.0	22.9	24	40.0	20
CVPC 12-04	12	25.0	R 1/2	65.2	14.0	22.9	24	40.0	20



Inch-NPT

MODEL	ØD	ØP	T	L	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
CVPC 5/32-U	5/32	10.0	UNF 10/32	31.4	3.6	14.8	3/8	11.8	100
CVPC 5/32-N1	5/32	10.0	NPT 1/8	27.3	8.5	14.8	7/16	10.8	100
CVPC 3/16-U	3/16	11.0	UNF 10/32	32.6	3.6	15.8	7/16	11.8	100
CVPC 3/16-N1	3/16	11.0	NPT 1/8	28.5	8.5	15.8	7/16	13.8	100
CVPC 3/16-N2	3/16	11.0	NPT 1/4	28.5	10.5	15.8	9/16	19.8	100
CVPC 1/4-N1	1/4	12.7	NPT 1/8	33.1	8.5	16.9	1/2	17.8	100
CVPC 1/4-N2	1/4	12.7	NPT 1/4	33.1	10.5	16.9	9/16	21.8	50
CVPC 5/16-N1	5/16	14.0	NPT 1/8	35.0	8.5	18.5	9/16	20.7	50
CVPC 5/16-N2	5/16	14.0	NPT 1/4	37.3	11.5	18.5	9/16	22.7	50
CVPC 3/8-N3	3/8	23.0	NPT 3/8	56.3	11.5	20.1	7/8	45.4	20
CVPC 3/8-N4	3/8	23.0	NPT 1/2	58.3	14.5	20.1	7/8	63.4	20
CVPC 1/2-N3	1/2	25.0	NPT 3/8	61.5	11.5	23.2	15/16	48.1	20
CVPC 1/2-N4	1/2	25.0	NPT 1/2L	65.5	14.5	23.2	15/16	68.1	20

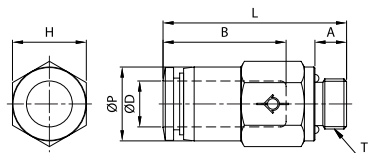


CVPC-G

Metric-**BSPP(G)**



MODEL	ØD	ØP	T	L	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
CVPC 04-G01	4	10.0	G 1/8	27.3	6.0	14.8	10	11.0	100
CVPC 06-G01	6	11.9	G 1/8	32.5	6.0	16.4	12	16.0	100
CVPC 06-G02	6	11.9	G 1/4	32.5	7.0	16.4	15	24.0	50
CVPC 08-G01	8	14.0	G 1/8	34.8	6.0	18.4	14	21.0	50
CVPC 08-G02	8	14.0	G 1/4	36.9	7.0	18.4	15	24.0	50
CVPC 10-G03	10	23.0	G 3/8	54.0	8.0	20.2	22	35.0	20
CVPC 10-G04	10	23.0	G 1/2	55.3	9.0	20.2	24	41.0	20
CVPC 12-G03	12	25.0	G 3/8	58.9	8.0	22.9	24	40.0	20
CVPC 12-G04	12	25.0	G 1/2	60.2	9.0	22.9	24	40.0	20



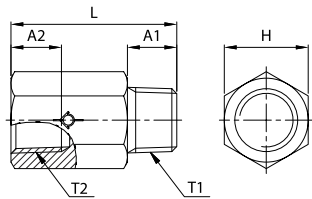
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CVPF

BSPT(R)



MODEL	T1	T2	L	A1	A2	H (Hex)	WEIGHT (g)	BOX (EA)
CVPF 01-01	R 1/8	Rc 1/8	27.6	8.0	8.5	12	16.0	100
CVPF 02-02	R 1/4	Rc 1/4	33.6	10.0	11.0	17	38.0	50
CVPF 03-03	R 3/8	Rc 3/8	53.3	12.0	13.0	22	107.0	25
CVPF 04-04	R 1/2	Rc 1/2	61.5	14.0	15.0	24	131.0	25

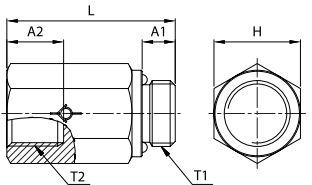


CVPF-G

BSPP(G)

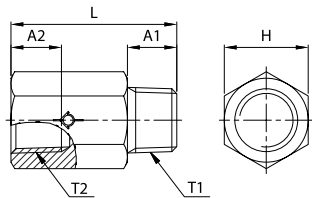


MODEL	T1	T2	L	A1	A2	H (Hex)	WEIGHT (g)	BOX (EA)
CVPF G01-G01	G 1/8	G 1/8	27.6	5.0	8.5	14	23.0	100
CVPF G02-G02	G 1/4	G 1/4	33.3	6.5	11.0	17	39.0	50
CVPF G03-G03	G 3/8	G 3/8	50.5	6.5	13.0	22	102.0	25
CVPF G04-G04	G 1/2	G 1/2	56.7	8.0	15.0	24	121.0	25



NPT

MODEL	T1	T2	L	A1	A2	H (Hex)	WEIGHT (g)	BOX (EA)
CVPF N1-N1	NPT 1/8	NPT 1/8	28.1	8.5	9.0	1/2	19.0	100
CVPF N2-N2	NPT 1/4	NPT 1/4	34.1	10.5	11.5	11/16	40.0	50
CVPF N3-N3	NPT 3/8	NPT 3/8	53.8	12.5	13.5	7/8	110.0	25
CVPF N4-N4	NPT 1/2	NPT 1/2	61.0	14.5	15.5	15/16	135.0	25



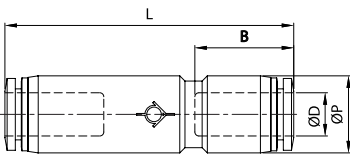
CVPU

Metric

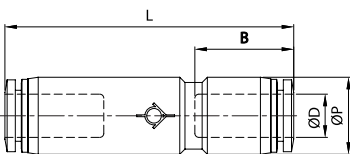


Inch

MODEL	ØD	ØP	L	B	WEIGHT (g)	BOX (EA)
CVPU 04	4	10.5	41.9	14.8	5.0	100
CVPU 06	6	12.5	47.4	16.4	10.0	50
CVPU 08	8	14.8	55.5	18.3	14.0	50
CVPU 10	10	23.0	65.2	20.2	21.0	25
CVPU 12	12	25.0	72.9	22.9	31.0	25



MODEL	ØD	ØP	L	B	WEIGHT (g)	BOX (EA)
CVPU 5/32	5/32	10.5	42.3	14.8	5.6	100
CVPU 3/16	3/16	11.5	44.1	15.8	7.4	100
CVPU 1/4	1/4	13.0	48.4	16.8	8.4	50
CVPU 5/16	5/16	14.8	55.6	18.4	13.4	50
CVPU 3/8	3/8	23.0	64.9	20.1	43.4	25
CVPU 1/2	1/2	25.0	72.2	23.2	58.0	25

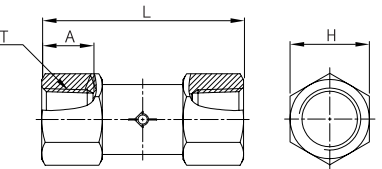


CVFF

BSPT(R)



MODEL	T	L	A	H (Hex)	WEIGHT (g)	BOX (EA)
CVFF 01-01	Rc 1/8	35.6	9	12	20	100
CVFF 02-02	Rc 1/4	43.3	11	17	49.2	50
CVFF 03-03	Rc 3/8	53.2	12	22	93.9	25
CVFF 04-04	Rc 1/2	60.5	14	24	113.7	25

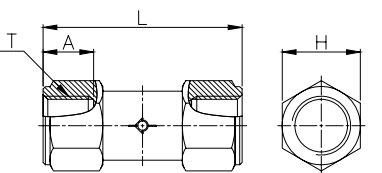


CVFF-G

BSPP(G)



MODEL	T	L	A	H (Hex)	WEIGHT (g)	BOX (EA)
CVFF G01-G01	G 1/8	35.6	9	14	-	100
CVFF G02-G02	G 1/4	43.3	11	17	-	50
CVFF G03-G03	G 3/8	53.2	12	22	-	25
CVFF G04-G04	G 1/2	60.5	14	24	-	25



CHECK VALVES

O

C

S

P

H

S

C

T

S

T

A

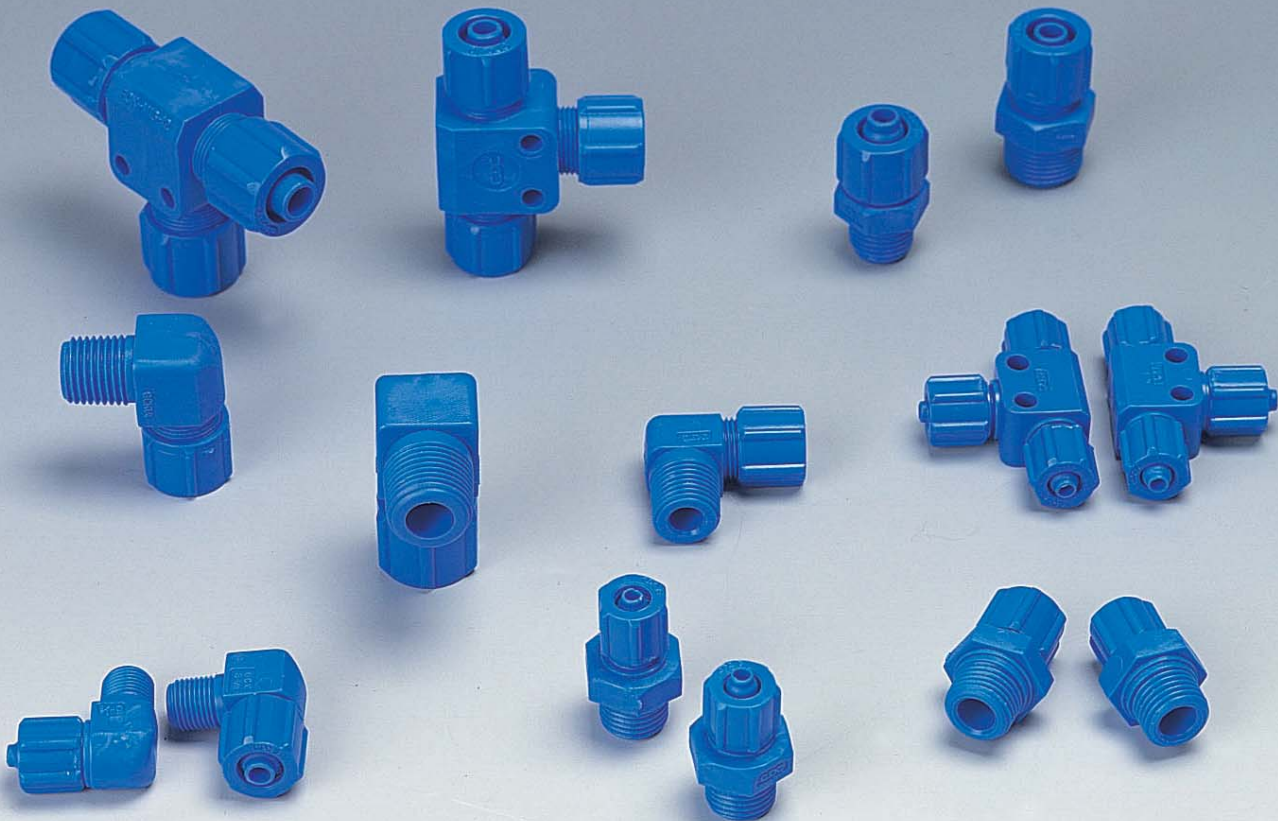
O

C

T

F

Two-Touch Fittings



Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Speed Controller with Pilot Check Valves
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings (Brass)

page
Model

179
CK



179
GCK



179
FCK



Two-Touch Fittings

용도 Applications

- 기기의 공기압 배관에 사용하는 너트 조임식 관 연결구입니다.

특징 Features

- 튜브의 체결방식이 너트 조임식이어서 진동이 심한 곳에서 효과가 좋습니다.
- 플라스틱 재질을 사용하여 수명이 반영구적이며 내부식성, 내화학성 등이 우수합니다.
- 낮은 공기압으로 운영되는 공기압 기기분야에 사용하기 적합합니다.

사양 Specifications

- 사용유체 Fluid type : Air(No other gases or liquids)
- 사용압력 Working pressure: 0~150PSI / 0~9.9kgf/cm²(0~990kPa)
※적용Tube와의 조합에 있어서 Tube의 최고사용압력에 의거합니다
- 부압 Negative pressure: -29.5 in Hg / -750mmHg(750Torr)
- 사용온도 범위 Working temperature: 32~140° F / 0~60°C
- 사용호스 종류 Applicable Tube: Polyurethane and Nylon

⚠ 주의사항

- 사용하시기 전에 반드시 안전상의 주의 및 경고표시의 분류방법 (P9)과 피팅제품의 공통적 주의사항 (P10)을 참조하여 주십시오.
- 제품재질이 플라스틱이어서 나사부에 테프론 코팅가공처리가 되어 있지 않아 Air누설방지를 막기위해 테프론 테이프를 처리하여 기계에 장착하는 것이 최대 효과를 볼 수 있습니다.
- 제품의 잡아당김, 구부림, 비틀림 등 부하가 가해지지 않도록 주의하여 주십시오.
본체파손 및 에어누설현상이 발생할 수 있습니다.
- 튜브조립시 튜브를 끝까지 밀어넣은 후 Cap를 완전히 체결하여 사용하기 바랍니다.
- 분리된 튜브를 재사용할 때는 튜브의 눌린부분을 직각으로 절단하여 조립하기 바랍니다.
- 플라스틱 제품이므로 무리하게 나사 체결시 본체파손의 우려가 있으니 참조하여 조립하기 바랍니다.

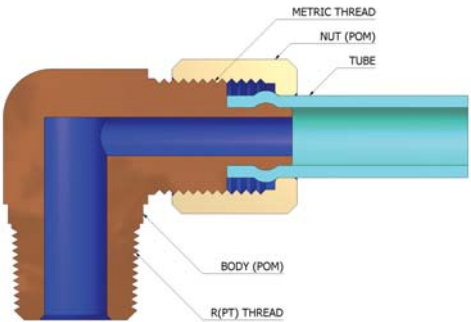
주문형식 Product Code System

METRIC - BSPT(R)

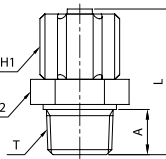
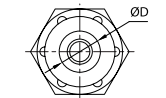
CK 06-01

TWO TOUCH FITTING	Tube Dia		Thread Size	
	CODE	O.D	R(PT) THREAD	SIZE
	04	Ø4	Ø2.5	
	06	Ø6	Ø4	01 R1/8
	08	Ø8	Ø5.5	02 R1/4
	10	Ø10	Ø6.5	03 R3/8
	12	Ø12	Ø8	04 R1/2

Structural Diagram



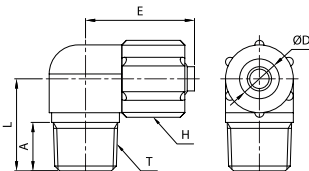
CK



MODEL

MODEL	ØD	T	L	A	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
CK 04-01	4	R 1/8	24.5	8.0	10	12	2.0	100
CK 06-01	6	R 1/8	28.5	7.0	12	13	3.0	100
CK 06-02	6	R 1/4	30.5	9.0	12	15	4.0	100
CK 08-01	8	R 1/8	30.0	9.0	14	14	5.0	100
CK 08-02	8	R 1/4	29.0	9.0	14	17	5.0	100
CK 08-03	8	R 3/8	31.7	10.2	14	19	6.0	100
CK 10-02	10	R 1/4	33.4	9.2	17	17	7.0	100
CK 10-03	10	R 3/8	34.9	10.2	17	19	7.0	50
CK 12-02	12	R 1/4	39.0	9.2	19	17	9.0	50
CK 12-03	12	R 3/8	41.2	10.2	19	19	9.0	50
CK 12-04	12	R 1/2	45.0	15.0	19	22	13.0	25

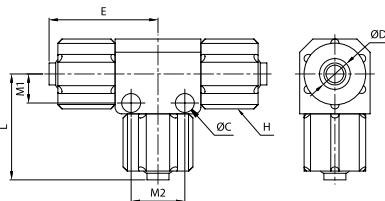
GCK



MODEL

MODEL	ØD	T	L	E	A	H (Hex)	WEIGHT (g)	BOX (EA)
GCK 04-01	4	R 1/8	16.5	16.0	8.0	12	3.0	100
GCK 06-01	6	R 1/8	18.0	21.5	8.5	12	5.0	100
GCK 06-02	6	R 1/4	18.7	23.5	9.0	12	7.0	100
GCK 08-01	8	R 1/8	17.0	21.0	8.0	14	6.0	100
GCK 08-02	8	R 1/4	19.0	22.5	10.0	14	8.0	100
GCK 08-03	8	R 3/8	20.5	23.8	10.2	14	10.0	50
GCK 10-02	10	R 1/4	22.0	24.1	12.0	17	10.0	50
GCK 10-03	10	R 3/8	23.0	27.1	12.0	17	12.0	50
GCK 12-02	12	R 1/4	23.0	32.2	11.0	19	14.0	50
GCK 12-03	12	R 3/8	25.0	32.2	12.0	19	16.0	50
GCK 12-04	12	R 1/2	28.0	34.0	15.0	19	19.0	25

FCK



MODEL

MODEL	ØD	L	E	ØC	M1	M2	H (Hex)	WEIGHT (g)	BOX (EA)
FCK 04	4	19.0	18.0	2.5	5.7	9.5	10	4.0	100
FCK 06	6	24.3	24.2	4.3	5.7	11.2	12	11.0	50
FCK 08	8	24.1	24.8	4.3	6.6	12.2	14	14.0	50
FCK 10	10	30.0	27.0	4.3	8.3	13.4	17	24.0	25
FCK 12	12	36.9	34.0	4.3	9.3	13.7	19	26.0	20

Silencers



Silencers

용도 Applications

- 기기의 배기 포트에 설치하여 대기로 배출되는 공기압의 소음을 감소하는데 사용합니다.

특징 Features

- 내부식성 소재인 플라스틱을 사용하여 수명이 길고 경량입니다.
- 제품 단가가 저렴하며 내구성이 좋습니다.
- 공압 배기구에 부착되어 배기 때의 소음 효과가 뛰어납니다.
- 컴팩트형이어서 협소한 장소에서도 설치가 용이합니다.

사양 Specifications

Code	ST01	ST02	ST03	ST04	ST06	ST08
최대사용압력 Maximum working pressure	7kgf/cm ² (700kPa)/100PSI			9.9kgf/cm ² (990kPa)/150PSI		

Metal Silencers

용도 Applications

- 금속재질 필터는 고온 고압에서도 사용 가능하며 충격에 강합니다.
- 용접 등의 접합이 용이하여 공업 전반에 사용됩니다.

특징 Features

- 건조한 조건하에서 소음감소와 필터링 효과가 뛰어납니다.

사양 Specifications

Code	STBM5	STB01	STB02	STB03	STB04	STB06	STB08
최대사용압력	15kgf/cm ² /220PSI						
사용온도범위	0~80°C(32~176°F)						
유량을	250	300	320	340	370	400	420

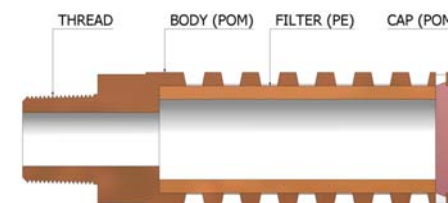
사용예 Applied example

- 나사체결 조립 시 외부의 육각부를 스페너공구 사용하여 조립하기 바랍니다.
- 엘레먼트가 막히면 배기저항이 커지므로 제품파손 및 시스템 성능저하 현상이 발생할 수 있으므로 이런 현상 발생시 제품을 신제품으로 교환하여 사용하기 바랍니다.

⚠ 주의사항

- 사용하기 전에 반드시 안전상의 주의 및 경고표시의 분류방법(P9) 과 피팅제품의 공통적 주의사항(P10)을 참조하여 주십시오.
- 장기간 사용 시 먼지 및 이물질로 인해 엘레먼트가 막히면 배기저항이 증가해 시스템 성능저하 및 소음효과에 악영향을 줄 수 있으니 주기적으로 교환하여 기기의 파손을 막아야 합니다.
- 제품 재질이 플라스틱이어서 나사부에 테프론 코팅가공처리가 되어 있지 않아 Air누설 방지를 막기위해 테프론 테이프를 처리하여 기계에 장착하는 것이 최대 효과를 볼 수 있습니다.
- 플라스틱 제품이므로 무리하게 나사 체결 시 본체 파손의 우려가 있으니 참조하여 조립하기 바랍니다.

Structural Diagram



ST
SILENCER

01
Thread Size(T)

Code	Size
01	R1/8
02	R1/4
03	R3/8
04	R1/2
06	R3/4
08	R1

STB
METAL SILENCER

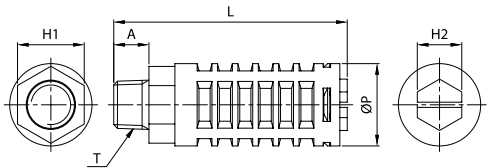
01
Thread Size(T)

Code	Size
M5	M5×0.8
01	R1/8
02	R1/4
03	R3/8
04	R1/2
06	R3/4
08	R1

ST



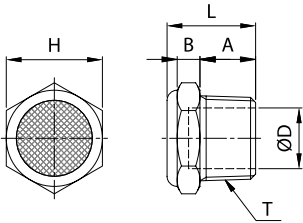
MODEL	ØP	T	L	A	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
ST-01	10.5	R 1/8	35.3	8.0	-	6	1.9	100
ST-02	22.2	R 1/4	63	9.5	18	12	14.1	30
ST-03	25	R 3/8	83.2	13.7	21	15	22.2	20
ST-04	30	R 1/2	88	15.5	26	19	31.1	15
ST-06	45	R 3/4	101	16.8	33	-	63.7	6
ST-08	45	R1	103.5	16.8	33	-	65.4	6
STM-02	15	R 1/4	45	7.6	-	-	4.4	50
STM-03	22	R 3/8	63.7	10	18	-	16.1	40



STB(V)



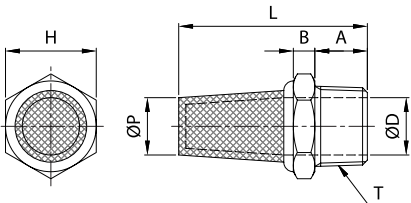
MODEL	T	L	ØD	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
STB M5(vent)	M5×0.8p	9.0	2.5	5.0	3.0	9	2.0	100
STB 01(vent)	R 1/8	11.8	6.0	7.0	3.5	12	5.3	100
STB 02(vent)	R 1/4	15.3	8.5	9.5	4.0	15	10.5	100
STB 03(vent)	R 3/8	17.5	12.0	10.5	4.5	19	16.9	50
STB 04(vent)	R 1/2	20.3	14.5	12.0	5.5	22	28.8	50
STB 06(vent)	R 3/4	20.9	20.0	12.0	6.0	27	39.1	50
STB 08(vent)	R 1	24.8	26.0	14.5	7.0	36	80.1	25



STB



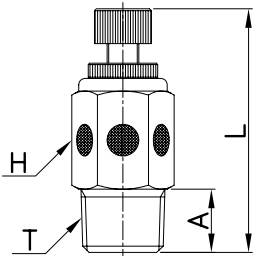
MODEL	ØP	T	L	ØD	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
STB(B)-M5	4.0	M5×0.8p	19.7	2.6	5.0	3.0	9	2.6	100
STB(B)-01	8.0	R 1/8	24.8	6.0	7.0	3.5	12	6.9	100
STB(B)-02	10.0	R 1/4	31.3	8.5	9.5	4.0	15	13.4	100
STB(B)-03	12.0	R 3/8	39.7	12.0	10.5	4.5	19	23.4	50
STB(B)-04	15.0	R 1/2	47.2	14.5	12.0	5.5	22	36.9	25
STB(B)-06	19.0	R 3/4	55.8	20.0	12.0	6.0	27	54.2	20
STB(B)-08	27.0	R1	71.0	26.0	14.5	7.0	36	111.3	8



STC



MODEL	T	L	A	H (Hex)	WEIGHT (g)	BOX (EA)
STC 01	R 1/8	34.2	7	13	20	50
STC 02	R 1/4	38.5	9.5	14	27.5	50
STC 03	R 3/8	44	10.5	17	45.7	50
STC 04	R 1/2	48.5	12	22	69.5	25



Tubes



용도 Applications

- 각종 공기압 기기의 배관용으로 많이 사용할 수 있습니다.

특징 Features

- 저온에서의 유연성이 뛰어납니다.
- 가벼운 무게에 내마모성, 내화학성이 뛰어나며 가격이 저렴합니다.
- 나일론 튜브보다 유연성이 좋아 배관이 용이합니다.
- 작업환경에 맞게 여러 가지 색상의 튜브를 선정하여 사용할 수 있습니다.

사양 Specifications

- 사용유체 Fluid type : 압축공기 Air(No other gases or liquids)
Do not use with water application
- 사용압력 Working pressure: 0~150PSI / 0~9.9kgf/cm² (0~990kPa).
- 부압 Negative pressure: -29.5in Hg / -750mmHg(750Torr)
- 사용온도 범위 Working temperature: 32~140°F / 0~60°C

TUBE COLOR CODE

COLOR	White	Black	Red	Blue	Yellow	Green	Clear	Silver	Translucent Blue
CODE	WT	BK	RD	BU	YL	GR	CL	SL	TB

주문형식 Product Code System

Polyurethane Tube

PU 08 50 BK

Polyurethane Tube	Tube Dia (O.D & I.D)		Tube Color	
	METRIC TUBE	INCH TUBE	COLOR	CODE
	CODE O.D I.D	CODE O.D	White	WT
	0320 Ø3 Ø2	1/8 1/8"	Black	BK
	0420 Ø4 Ø2	5/32 5/32"	Red	RD
	0425 Ø4 Ø2.5	3/16 3/16"	Blue	BU
	0640 Ø6 Ø4	1/4 1/4"	Yellow	YL
	0850 Ø8 Ø5	5/16 5/16"	Green	GN
	0855 Ø8 Ø5.5	3/8 3/8"	Clear	CR
	1065 Ø10 Ø6.5	1/2 1/2"	Translucent Blue	TB
	1280 Ø12 Ø8		Silver	SL
	1290 Ø12 Ø9			
	1611 Ø16 Ø11			
	1612 Ø16 Ø12			

Polyurethane Coil Tube

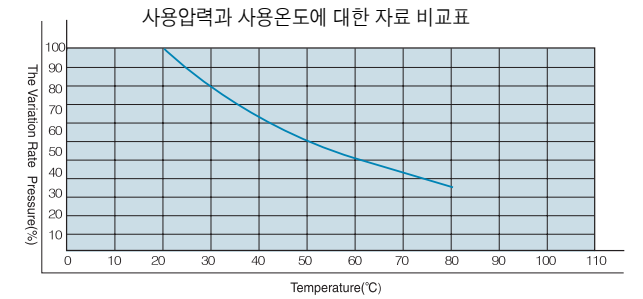
UC 08 50-5 BK

Polyurethane Coil Tube	Tube Dia (O.D & I.D)		Length	Tube Color	
	METRIC TUBE			COLOR	CODE
	CODE O.D I.D			Yellow	YL
	0640 Ø6 Ø4			Blue	BU
	0850 Ø8 Ø5			Black	BK
	1065 Ø10 Ø6.5				
	1280 Ø12 Ø8				

사용예

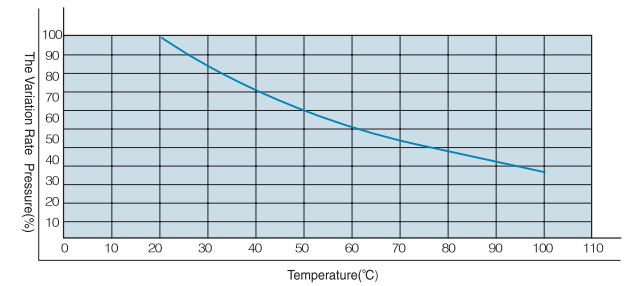
폴리우레탄 튜브

- 폴리우레탄튜브는 사용온도에 따라 최고 사용압력이 달라짐으로 그래프를 참조하시기 바랍니다.
- 상온 그 외의 환경조건에서 튜브를 적용할시 튜브사용 온도는 -40°C에서 80°C까지가 허용범위이므로 허용범위 조건 외의 사용은 금하여 주십시오.



나일론 튜브

- 나일론튜브는 사용 온도에 따라 최고 사용압력이 달라짐으로 그래프를 참조하기 바랍니다.
- 상온 그 외의 환경조건에서 튜브를 적용할시 최고사용 압력 변화를 참조하고 허용범위 조건 외의 사용은 금하여 주십시오.



튜브제품의 공통적 주의사항

⚠ 주의사항

- 피팅에 튜브를 끝단 부위까지 밀어 넣었는지 확인 후 사용하여 주십시오. 에어누설현상 및 튜브찢힘현상이 발생할 수 있습니다.
- 피팅에 튜브장착시 튜브의 절단면을 직각으로 절단하여 속까지 끼운 후에 튜브를 가볍게 당겨빠지지 않는지 확인하십시오.
- 튜브를 배관할 시에는 추후의 길이변화를 고려하여 여유를 가지고 배관하여 주십시오.
- Tube 이탈에 의하여 사람 또는 재산에 손해를 미칠 우려가 있는 곳의 배관은 반드시 튜브를 고정하여 주십시오.

⚠ 경고사항

- 공기, 물(제품에 따라 일부 제품만 가능함) 이외의 유체에는 사용하지 마십시오. 다른 유체를 사용할 시 당사에 문의하여 사용하기 바랍니다.
- 튜브의 타원형 형상 및 튜브의 외경파손, 굽힘자국이 있을 경우에는 Air누설현상, 튜브찢힘현상이 발생할 소지가 있으니 꼭 확인한 후 사용하기 바랍니다.
- 60°C이상의 온도, 높은 유체사용시 열 및 튜브 재질상 가수분해현상이 발생하여 튜브변형에 문제가 발생할 수 있으니 사용을 금합니다.
- 스파터(Spatter)가 발생하는 장소에서는 스파터로 인하여 화재의 위험요소가 높으니 사용을 자제하여 주십시오.
- 물에서 사용할 경우는 서지압력으로 파괴될 경우가 있으므로 그 점을 주의하십시오.
- 절삭유, 윤활유, 쿨런트유 등의 액체가 직접 닿는 환경에서는 사용하지 마십시오.
- 정전기 발생 및 대전방지(帶電防止)가 발생하는 장소에서는 사용하지 마십시오.
- 산소, 수소, LPG등 활성가스에는 부적합함으로 사용을 자제하여 주십시오.

튜브 접속방법

준비

사용에 필요한 Tube 및 Tube Cutter, Fitting 접속 공구 (Spanner 또는 Monkey)를 준비하여 주십시오.

TUBE의 절단

Tube Cutter 를 사용하여 Tube 를 축방향과 수직으로 절단하여 주십시오

Fitting의 접속

Spanner 또는 Monkey를 이용하여, 하기의 권장조임Torque 범위내에서 단단히 조여 주십시오.

TUBE의 삽입

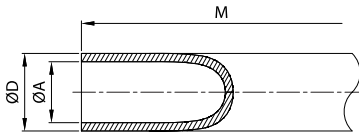
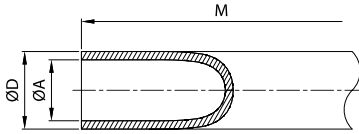
Tube에 Tube삽입길이를 Marking한 후, Fitting본체에 대해서도 직선으로 삽입하여 주십시오 이때 Marking위치가 개방 Sleeve단면에 있는지를 확인하여 주십시오

PU

Polyurethane Tube
Metric Size



MODEL	ØD	ØA	M	WEIGHT (g)	COLOR
PU 0320	3	2	200M	2400	WT-White BK-Black RD-Red BU-Blue YL-Yellow GR-Green CL-Clear SL-Silver TB-Translucent Blue
PU 0420	4	2	200M	2860	
PU 0425	4	2.5	200M	2480	
PU 0640	6	4	100M	2550	
PU 0850	8	5	100M	4460	
PU 0855	8	5.5	100M	3750	
PU 1065	10	6.5	100M	6520	
PU 1280	12	8	100M	8080	
PU 1290	12	9	100M	7200	
PU 1410	14	10	50M	7300	
PU 1611	16	11	50M	7490	
PU 1612	16	12	50M	6440	



Inch Size

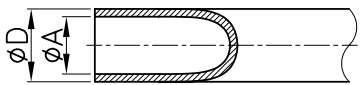
MODEL	ØD	ØA	M	WEIGHT (g)	COLOR
PU 1/8	1/8	2	200M	2400	WT-White BK-Black RD-Red BU-Blue YL-Yellow GR-Green CL-Clear SL-Silver TB-Translucent Blue
PU 5/32	5/32	2.5	200M	2480	
PU 3/16	3/16	3	100M	2520	
PU 1/4	1/4	4.15	100M	2550	
PU 5/16	5/16	5	100M	4460	
PU 3/8	3/8	6	100M	6630	
PU 1/2	1/2	8.5	100M	7920	

NA

Nylon Tube-Polyamide
Metric Size



MODEL	ØD	ØA	M	COLOR
NA 0420	4	2	200M	Natural Black
NA 0425	4	2.5	200M	
NA 0640	6	4	100M	
NA 0860	8	6	100M	
NA 1008	10	8	100M	
NA 1209	12	9	100M	

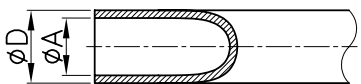


PE

Polyethylene Tube
Metric Size

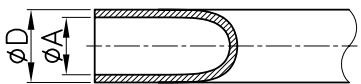


MODEL	ØD	ØA	COLOR
PE 0425	4	2.5	Natural
PE 0640	6	4	Black
PE 0806	8	6	White
PE 1007	10	7	Red
PE 1290	12	9	Blue



Inch Size

MODEL	ØD	ØA	COLOR
PE 5/32	4	2.5	Natural Black White Red Blue
PE 3/16	4.76	3.17	
PE 1/4	6.35	4.32	
PE 5/16	8	5.48	
PE 3/8	9.52	6.35	
PE 1/2	12.7	9.52	



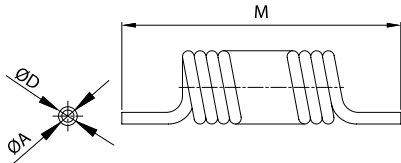
UC

Polyurethane Coil Tube

Metric Size

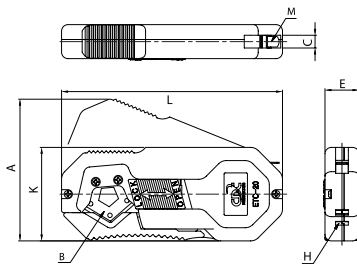


MODEL	ØD	ØA	M	WEIGHT (g)	COLOR
UC 0640-3	6.0	4.0	3M	100	YL-Yellow
UC 0640-5	6.0	4.0	5M	120	
UC 0850-5	8.0	5.0	5M	185	
UC 0850-7.5	8.0	5.0	7.5M	279	
UC 0850-10	8.0	5.0	10M	390	
UC 1065-5	10.0	6.5	5M	268	
UC 1065-7.5	10.0	6.5	7.5M	389	
UC 1065-10	10.0	6.5	10M	531	
UC 1280-5	12.0	8.0	5M	382	
UC 1280-7.5	12.0	8.0	7.5M	581	
UC 1280-10	12.0	8.0	10M	755	



ETC

MODEL	K	L	A	E	C	B	H	M	WEIGHT (g)
ETC - 20	44	104	66.7	16	6	Pentagon blade	Strap hole	Measuring tape	47.5



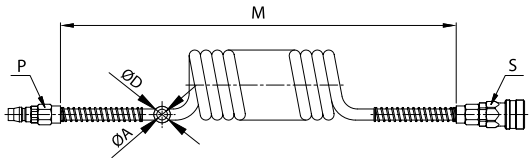
UC C

Metric Size



MODEL	ØD	ØA	M	P	S	WEIGHT (g)	COLOR
UC 0850-5 C	8.0	5.0	5M	PN08	SN08	330	YL-Yellow
UC 0850-7.5 C	8.0	5.0	7.5M	PN08	SN08	421	
UC 0850-10 C	8.0	5.0	10M	PN08	SN08	532	
UC 1065-5 C	10.0	6.5	5M	PN10	SN10	425	
UC 1065-7.5 C	10.0	6.5	7.5M	PN10	SN10	546	
UC 1065-10 C	10.0	6.5	10M	PN10	SN10	688	
UC 1280-5 C	12.0	8.0	5M	PN12	SN12	573	
UC 1280-7.5 C	12.0	8.0	7.5M	PN12	SN12	772	
UC 1280-10 C	12.0	8.0	10M	PN12	SN12	946	

※ 카플러 장착



TUBES

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Air Guns

용도 Applications

- 기계설비, 제품의 세척 및 구석진 곳 등에 대한 청소 시에 많이 사용됩니다.

특징 Features

- 제품 디자인이 심플하게 설계되어 있습니다.
- 사용자의 편의에 맞게 설계되어 공기분사량 조절이 용이합니다.
- 노즐의 길이가 다양하게 제작되어 광범위하게 사용할 수 있습니다.
- 엔지니어링 플라스틱을 사용하여 가볍고 내충격성이 강합니다.

사양 Specifications

- 사용유체 Fluid type : 압축공기 Air(No other gases or liquids)
Do not use with water application
- 사용압력 Working pressure: 0~150PSI / 0~9.9kgf/cm²(0~990kPa).
- 부압 Negative pressure: -29.5in Hg / -750mmHg(750Torr)
- 사용온도 범위 Working temperature: 32~140°F / 0~60°C

⚠ 주의사항

- 사용하기 전에 반드시 안전상의 주의 및 경고표시의 분류방법(P9)과 피팅제품의 공통적 주의사항(P10)을 참조하여 주십시오.
- 제품품체가 플라스틱이므로 과도한 충격, 회전, 구부림에 주의하여 사용하기 바랍니다.
- 제품세척 및 기계의 이물질, 먼지제거 용도로 사용함으로 각종 기계류 청소시 기계작동을 완전히 멈춘 후 사용하십시오.

주문형식 Product Code System

CA

Air Gun

01

Nozzle Size(L)

METRIC TYPE	
Code	Length
00	0mm
01	100mm
02	200mm
03	300mm

F

Coupling Form

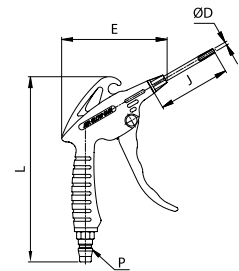
CODE	TYPE
Blank	PLUG
F	Rc1/4
G	G1/4

| Air Guns

CA



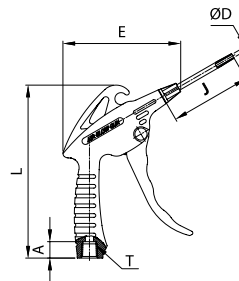
MODEL	P	ØD	L	E	J	WEIGHT (g)	BOX (EA)
CA0050	PM 20	3.0	169.9	96.8	50.0	116.0	40
CA0100	PM 20	3.0	169.9	96.8	100.0	129.0	40
CA0200	PM 20	3.0	169.9	96.8	200.0	136.0	30
CA0300	PM 20	3.0	169.9	96.8	300.0	151.0	25



CA-G (F)



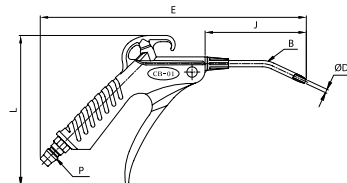
MODEL	T	ØD	L	E	A	J	WEIGHT (g)	BOX (EA)
CA0050G(F)	G1/4, Rc1/4	3.0	142.1	96.8	13.5	50.0	93.0	40
CA0100G(F)	G1/4, Rc1/4	3.0	142.1	96.8	13.5	100.0	106.0	40
CA0200G(F)	G1/4, Rc1/4	3.0	142.1	96.8	13.5	200.0	113.0	30
CA0300G(F)	G1/4, Rc1/4	3.0	142.1	96.8	13.5	300.0	128.0	25



CB01



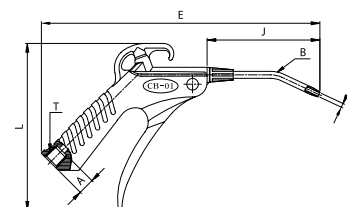
MODEL	P	ØD	L	E	J	B	WEIGHT (g)	BOX (EA)
CB01-100	PM 20	3.5	143.6	258.2	100.0	Bent	141.0	40
CB01-200	PM 20	3.5	143.6	358.2	200.0	Straight	155.0	30
CB01-300	PM 20	3.5	143.6	458.2	300.0	Straight	170.0	25



CB01-G(F)



MODEL	T	ØD	L	E	A	J	B	WEIGHT (g)	BOX (EA)
CB01-100G(F)	G1/4, Rc1/4	3.5	143.6	242.7	13.5	100.0	Bent	118.0	40
CB01-200G(F)	G1/4, Rc1/4	3.5	143.6	342.7	13.5	200.0	Straight	132.0	30
CB01-300G(F)	G1/4, Rc1/4	3.5	143.6	442.7	13.5	300.0	Straight	147.0	25



Oil Ejector Lines

용도 Applications

- 공작 기계에 부착하여 절삭유의 흐름을 제어하는데 사용합니다.

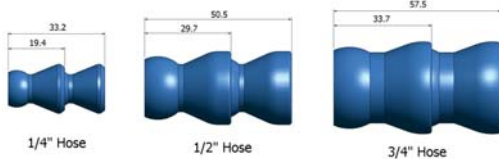
특징 Features

- 내부식성, 내화학성, 비전도성이 좋습니다.
- 여러 방향으로 유체의 흐름을 변경시킬 수 있습니다.
- 플라스틱으로 제작되어 반영구적이며, 가볍습니다.
- 제품종류가 여러 가지이므로 사용용도에 맞게 적용하여 사용할 수 있습니다.

주의사항

- 사용하기 전에 반드시 안전상의 주의 및 경고표시의 분류방법(P9)과 피팅제품의 공통적 주의사항(P9)을 참조하여 주십시오.
- 제품소재가 플라스틱이므로 과다한 충격, 회전, 구부림에 주의하여 사용하기 바랍니다.
- 절삭유공급 및 세척공정 용도로 사용함으로 기기보수 및 점검 시 기계작동을 완전히 멈춘 후 사용하십시오.

Structural Diagram



주문형식 Product Code System

OEL

OIL Ejector line
오일자바라

01

Thread Size(T)

R(PT) THREAD	
Code	Size
01	R1/8
02	R1/4
03	R3/8
04	R1/2
06	R3/4

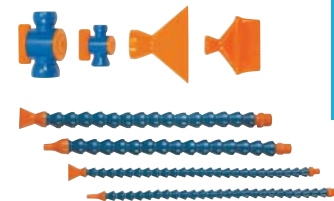
R

Nozzle Type(L)

CODE	TYPE
R	Round
F	Flare

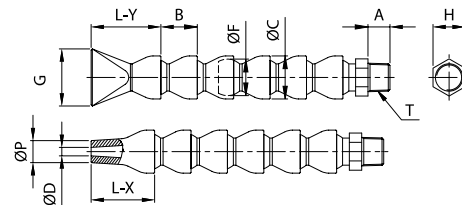
| Oil Ejector Lines

OEL



MODEL

MODEL	T	L X	L Y	ØD	ØP	G	ØF	ØC	B	A	H (HEX)
OEL 01	R 1/8	28.5	29.5	3.1	6.5	27.0	12.5	16.7	13.7	11.0	13.5
OEL 02	R 1/4	28.5	29.5	3.1	6.5	27.0	12.5	16.7	13.7	11.0	14
OEL 03	R 3/8	37.5	41.2	6.1	10.2	33.7	21.5	25.4	21.5	15.0	19
OEL 04	R 1/2	37.5	41.2	6.1	10.2	33.7	21.5	25.4	21.5	15.0	22
OEL 06	R 3/4	43.9	53.2	16.1	19.6	79.9	27.8	31.0	27.8	16.5	28



AIR GUNS

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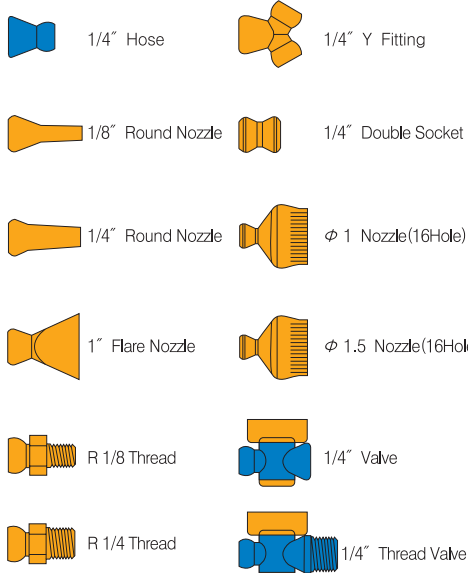
O

C

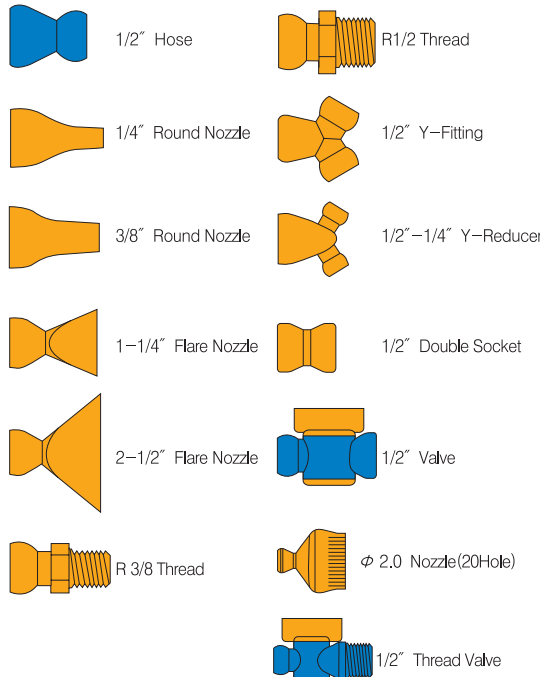
T

F

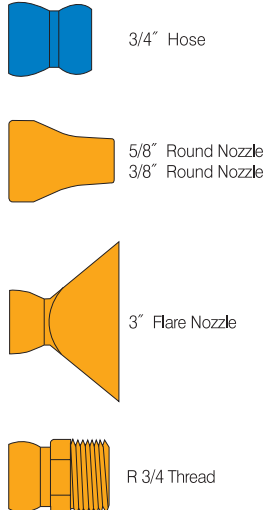
1/4" SYSTEM



1/2" SYSTEM



3/4" SYSTEM



Couplers



Coupler Series

- Couplers(Steel)
- One-Touch Couplers
- Coupler(Brass)
- Mold Coupler(Brass)
- Line Coupler
- SP Coupler
- Rotary Coupler

Couplers(Steel)

page Model	198 SH	198 SM	199 SF	199 SN	200 PH	200 PM

One-Touch Couplers

201 PF	201 PN	202 OSH	202 OSM	203 OSF	203 OSN

Coupler(Brass)

page Model	204 BSH	204 BSM	204 BSF	205 BPH	205 BPM	205 BPF

Mold Coupler(Brass)

page Model	206 KSH	206 KSM	206 KSF	207 KPH	207 KPM	207 KPF

Line Coupler

page Model	208 LC2A	208 LC3A	209 LC03	209 OLC2A	209 OLC3A

SP Coupler

page Model	211 S	211 P	211 TS	211 TP	213 RPM20-D	213 RPM20-S

Rotary Coupler

Couplers

용 도 Applications

- 압축공기의 배관 연결 시에 사용합니다.
- 공기압 공구의 호스연결, 공장의 공기배관용 등 폭 넓게 사용이 가능합니다.

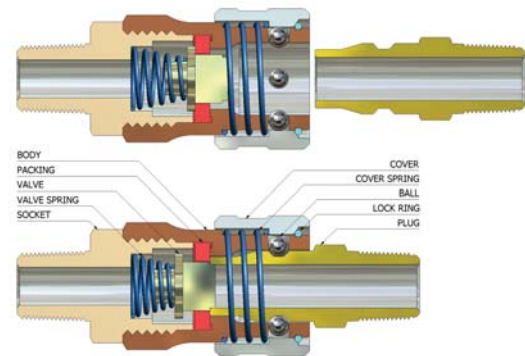
특 징 Features

- 홀(Hole)에 자동개폐밸브를 내장한 단방향 개폐형 카플러입니다.
- 재질 및 형태가 다양함으로 사용용도 및 환경에 맞게 카플러를 선정하여 사용할 수 있습니다.
- 플러그와 소켓의 체결 및 분리가 부드러워 사용하기가 편리합니다.

사 양 Specifications

- 사용유체 Fluid type : 압축공기 Air(No other gases or liquids) Do not use with water application
- 재질 Material: Steel, Brass
- 사용압력 Working pressure: 0~150PSI / 0~9.9kgf/cm²(0~990kPa)
- 사용온도범위 Working temperature: 32~140°F / 0~60℃

Structural Diagram



카플러제품의 공통적 주의사항

⚠ 주의사항

- Packing의 마모나 노화에 의하여 에어누설이 발생할 경우에는 본체를 새로운 것으로 교환하여 사용하십시오.
- Packing면에 이물질 및 먼지부착이 심하면 누수원인이 되므로 주의하십시오.
- Packing재질의 선택을 잘못하면 누수의 원인이 됩니다. 유체의 종류 및 온도에 대한 고무재질의 적합성을 고려한 후 제품을 선택하여 사용하십시오.
- 카플러 체결시 필요 이상의 힘으로 체결하면 기기파손 및 제품파손의 위험성이 있으니 주의하십시오.
- 금속가루 및 모래가루, 분진이 많은 장소에서는 사용을 피하십시오. 카플러 작동불량의 Claim이 발생하며, 고장의 원인이 되므로 가급적 사용을 피하십시오.

⚠ 경고사항

- 가압상태에서 카플러의 착탈은 매우 위험하므로 피해 주십시오. 기기의 파손 및 인명의 피해가 있으므로 유의하시기 바랍니다.
- 인위적인 곡률, 인장, 충격이 가해지면 파손될 수가 있으므로 주의하여 주십시오.
- 카플러를 회전관 이음이나 스위블관 이음의 대체품으로 회전시키는 것은 피해 주십시오.
- 카플러는 큰진동, 충격을 가하는 공구나 기기에서의 사용은 피해주기 바랍니다.
- 카플러에 잔류압이 있으면 체결하기가 어려울 수 있으므로 잔류압을 완전히 제거 한후 체결하십시오.
- 카플러를 임의적으로 분해하여 사용하지 마십시오.

주문형식 Product Code System

OSH 20

① ② ③

④

①

H : HI Coupler
O : One Touch Coupler
B : Brass Coupler

② Coupling Form

CODE	TYPE
S	Socket
P	Plug

③ Screw Form

CODE	TYPE
H	Hose Stem
M	Male Thread
F	Female Thread
N	Nut

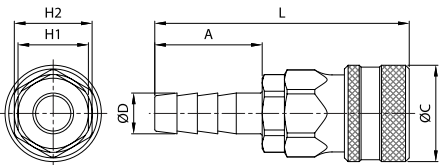
④ Thread Size

SIZE	H	M	F	N
20	9	R 1/4	Rc 1/4	-
30	11	R 3/8	Rc 3/8	-
40	15	R 1/2	Rc 1/2	-
400	15	R 1/2	Rc 1/2	-
600	21	R 3/4	Rc 3/4	-
800	27	R 1	Rc 1	-
08	-	-	-	8×5
10	-	-	-	10×6.5
12	-	-	-	12×8

SH



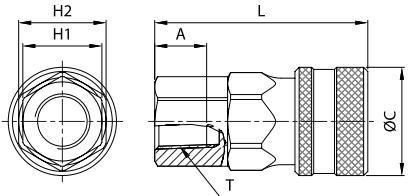
MODEL	ØC	ØD	L	A	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
SH 20	26.0	9.0	67.5	27.0	19	21	96.0	25
SH 30	26.0	11.0	69.5	29.0	19	21	99.0	25
SH 40	26.0	14.5	73.5	33.0	19	21	113.0	25
SH 400	35.0	15.0	83.1	36.0	30	32	219.0	12
SH 600	35.0	21.0	92.1	45.0	30	32	243.6	12
SH 800	35.0	27.0	102.1	55.0	30	32	312.0	12



SF



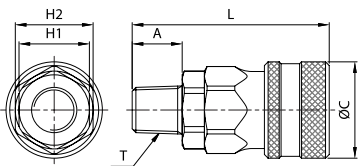
MODEL	ØC	T	L	A	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
SF 20	26.0	Rc 1/4	52.0	15.5	19	21	105.0	25
SF 30	26.0	Rc 3/8	52.5	14.0	21	21	102.0	25
SF 40	26.0	Rc 1/2	54.5	17.0	25	21	118.0	25
SF 400	35.0	Rc 1/2	57.1	14.0	30	32	221.5	12
SF 600	35.0	Rc 3/4	61.1	16.0	35	32	257.4	12
SF 800	35.0	Rc 1	68.1	21.0	41	32	329.0	8



SM



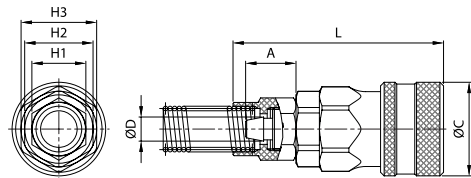
MODEL	ØC	T	L	A	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
SM 20	26.0	R 1/4	54.0	13.5	19	21	97.0	25
SM 30	26.0	R 3/8	55.5	14.0	19	21	98.0	25
SM 40	26.0	R 1/2	58.0	15.5	21	21	109.0	25
SM 400	35.0	R 1/2	63.1	16.0	30	32	211.2	12
SM 600	35.0	R 3/4	65.1	18.0	30	32	232.4	12
SM 800	35.0	R 1	70.1	23.0	35	32	272.6	12



SN



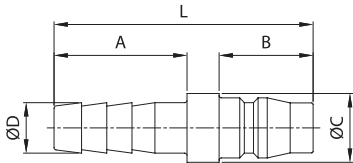
MODEL	ØC	ØD	L	A	H1 (Hex)	H2 (Hex)	H3 (Hex)	WEIGHT (g)	BOX (EA)
SN 08	26.0	6.7	57.5	14.0	15	19	21	94.0	25
SN 10	26.0	8.4	61.5	16.0	16	19	21	100.0	20
SN 12	26.0	10.0	66.0	19.0	19	19	21	110.0	15



PH



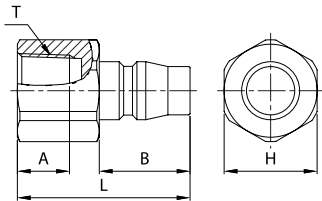
MODEL	ØC	ØD	L	A	B	WEIGHT (g)	BOX (EA)
PH 20	15.0	9.0	54.5	27.0	20.5	24.0	100
PH 30	15.0	11.0	56.5	29.0	20.5	29.0	100
PH 40	17.0	14.5	59.5	33.0	20.5	47.0	50
PH 400	22.0	15.0	65.9	32.0	23.9	69.0	25
PH 600	28.0	21.0	76.9	43.0	23.9	122.6	25
PH 800	32.0	27.0	80.9	47.0	23.9	156.1	12



PF



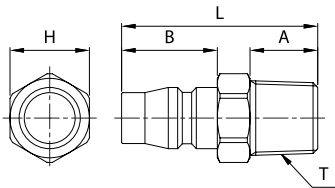
MODEL	T	L	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
PF 20	Rc 1/4	36.5	13.5	20.5	17	26.0	100
PF 30	Rc 3/8	39.0	14.5	20.5	21	42.0	50
PF 40	Rc 1/2	40.5	15.5	20.5	25	52.0	50
PF 400	Rc 1/2	41.9	14.0	23.9	30	93.5	25
PF 600	Rc 3/4	45.9	17.0	23.9	35	129.9	20
PF 800	Rc 1	54.9	22.0	23.9	41	221.0	12



PM



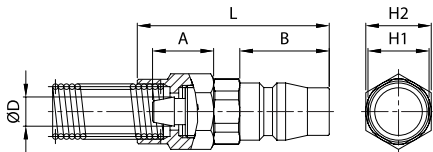
MODEL	T	L	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
PM 20	R 1/4	40.0	13.5	20.5	14	23.0	100
PM 30	R 3/8	42.0	14.5	20.5	17	36.0	50
PM 40	R 1/2	42.5	15.0	20.5	21	43.0	50
PM 400	R 1/2	50.9	16.0	23.9	22	72.3	25
PM 600	R 3/4	55.9	18.0	23.9	30	128.5	25
PM 800	R 1	61.4	23.0	23.9	35	201.4	16



PN



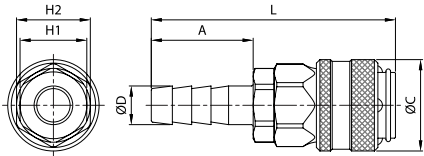
MODEL	ØD	L	A	B	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
PN 08	6.7	43.0	14.0	20.5	14	15	34.0	50
PN 10	8.4	47.0	16.0	20.5	14	16	51.0	40
PN 12	10.0	52.0	19.0	20.5	19	19	59.0	30



OSH



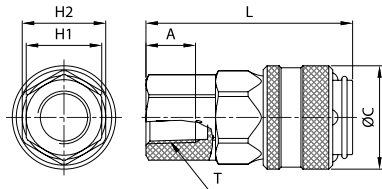
MODEL	ØC	ØD	L	A	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
OSH 20	26.0	9.0	67.5	27.0	19	21	96.0	25
OSH 30	26.0	11.0	69.5	29.0	19	21	99.0	25
OSH 40	26.0	14.5	73.5	33.0	19	21	113.0	25



OSF



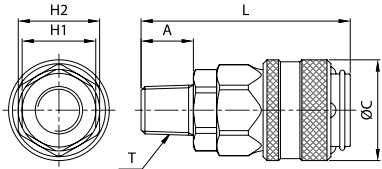
MODEL	ØC	T	L	A	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
OSF 20	26.0	Rc 1/4	52.0	15.5	19	21	105.0	25
OSF 30	26.0	Rc 3/8	52.5	14.0	21	21	102.0	25
OSF 40	26.0	Rc 1/2	54.5	17.0	25	21	118.0	25



OSM



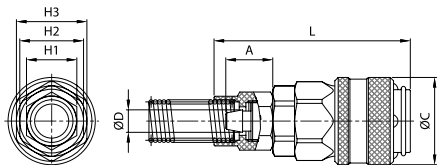
MODEL	ØC	T	L	A	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
OSM 20	26.0	R 1/4	54.0	13.5	19	21	97.0	25
OSM 30	26.0	R 3/8	55.5	14.0	19	21	98.0	25
OSM 40	26.0	R 1/2	58.0	15.5	21	21	109.0	25



OSN



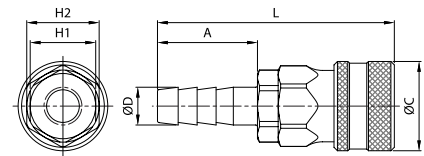
MODEL	ØC	ØD	L	A	H1 (Hex)	H2 (Hex)	H3 (Hex)	WEIGHT (g)	BOX (EA)
OSN 08	26.0	6.7	57.5	14.0	15	19	21	105.0	25
OSN 10	26.0	8.4	61.5	16.0	16	19	21	116.0	20
OSN 12	26.0	10.0	66.0	19.0	19	19	21	126.0	15



BSH



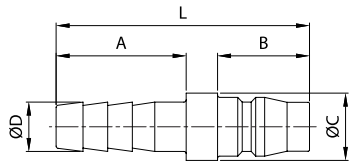
MODEL	ØC	ØD	L	A	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
BSH 20	26.0	9.0	67.5	27.0	19	21	111.0	25
BSH 30	26.0	11.0	69.5	29.0	19	21	111.6	25
BSH 40	26.0	14.5	73.5	33.0	19	21	129.5	25



BPH



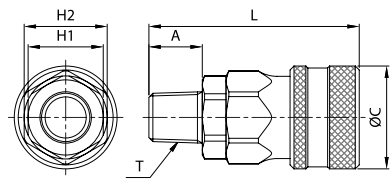
MODEL	ØC	ØD	L	A	B	WEIGHT (g)	BOX (EA)
BPH 20	15.0	9.0	54.5	27.0	20.5	32.0	100
BPH 30	15.0	11.0	56.5	29.0	20.5	34.0	100
BPH 40	17.0	14.5	59.5	33.0	20.5	47.0	50



BSM



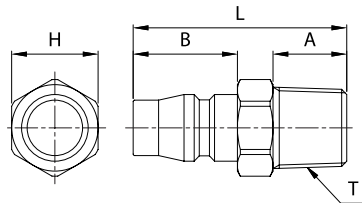
MODEL	ØC	T	L	A	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
BSM 20	26.0	R 1/4	54.0	13.5	19	21	106.3	25
BSM 30	26.0	R 3/8	55.5	14.0	19	21	117.5	25
BSM 40	26.0	R 1/2	58.0	15.5	21	21	133.7	25



BPM



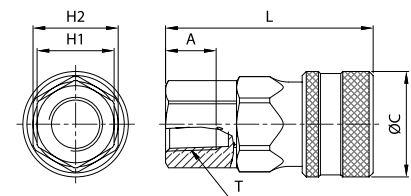
MODEL	T	L	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
BPM 20	Rc 1/4	40.0	13.5	20.5	14	28.0	100
BPM 30	Rc 3/8	42.0	14.5	20.5	17	39.0	50
BPM 40	Rc 1/2	42.5	15.0	20.5	21	50.0	50



BSF



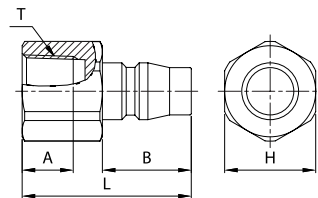
MODEL	ØC	T	L	A	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
BSF 20	26.0	Rc 1/4	52.0	15.5	19	21	109.2	25
BSF 30	26.0	Rc 3/8	52.5	14.0	21	21	112.8	25
BSF 40	26.0	Rc 1/2	54.5	17.0	25	21	120.1	25



BPF



MODEL	T	L	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
BPF 20	Rc 1/4	36.5	13.5	20.5	17	34.0	100
BPF 30	Rc 3/8	39.0	14.5	20.5	21	47.0	50
BPF 40	Rc 1/2	40.5	15.5	20.5	25	50.0	50

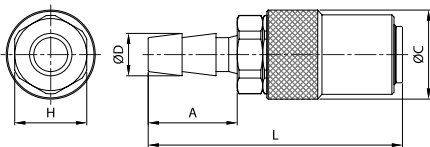


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KSH



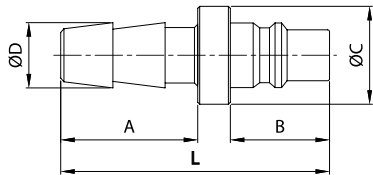
MODEL	ØC	ØD	L	A	H (Hex)	WEIGHT (g)	BOX (EA)
KSH 20	21	8	60	21	17	68.3	25
KSH 30A	21	10	60	21	17	69.1	25
KSH 30	21	12	60	21	17	71.7	25



KPH



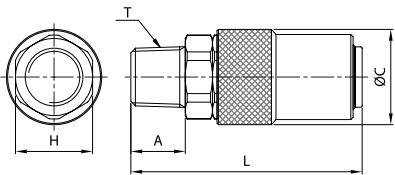
MODEL	ØC	ØD	L	A	B	WEIGHT (g)	BOX (EA)
KPH 20	12	8	41.1	21	15.1	14.6	100
KPH 30A	15	10	41.1	21	15.1	19.1	100
KPH 30	14	12	41.1	21	15.1	19.7	100



KSM



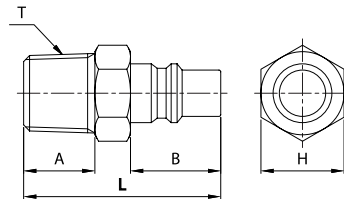
MODEL	ØC	T	L	A	H (Hex)	WEIGHT (g)	BOX (EA)
KSM 10	21	R 1/8	48	9	17	64.6	25
KSM 20	21	R 1/4	51	12	17	70.2	25
KSM 30	21	R 3/8	51	12	17	72	25



KPM



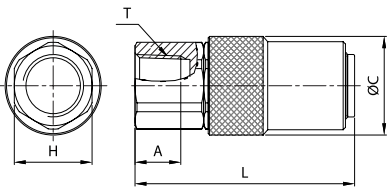
MODEL	T	L	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
KPM 10	R 1/8	29.1	9	15.1	12	12.8	100
KPM 20	R 1/4	32.1	11	15.1	14	16.9	100
KPM 30	R 3/8	33.1	12	15.1	17	24.8	100



KSF



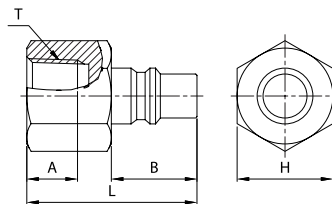
MODEL	ØC	T	L	A	H (Hex)	WEIGHT (g)	BOX (EA)
KSF 10	21	Rc 1/8	47	10	17	74.2	25
KSF 20	21	Rc 1/4	47.8	13	17	69.1	25
KSF 30	21	Rc 3/8	47.8	13	21	77.5	25



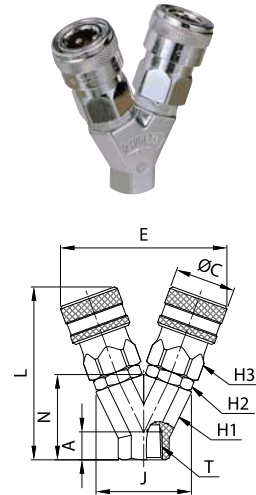
KPF



MODEL	T	L	A	B	H (Hex)	WEIGHT (g)	BOX (EA)
KPF 10	Rc 1/8	26.1	9	15.1	14	15.7	100
KPF 20	Rc 1/4	28.1	11	15.1	17	21.5	100
KPF 30	Rc 3/8	29.1	12	15.1	19	30.1	50

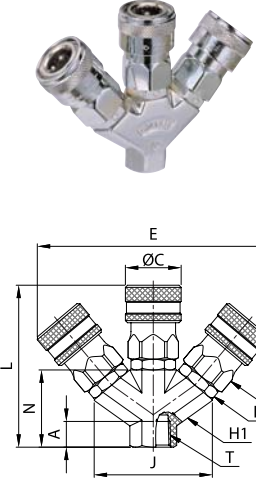


LC2A



MODEL	ØC	T	L	E	A	N	J	H1 (Hex)	H2 (Hex)	H3 (Hex)	WEIGHT (g)	BOX (EA)
LC 2A	26.0	Rc1/4	73.0	72.5	12.0	36.5	39.5	19	18	21	227.0	10

LC3A



MODEL	ØC	T	L	E	A	N	J	H1 (Hex)	H2 (Hex)	H3 (Hex)	WEIGHT (g)	BOX (EA)
LC 3A	26.0	Rc1/4	75.0	103.5	12.0	36.0	52.5	19	18	21	322.0	8

LC03



MODEL	ØC	T	L	E	A	N	ØP	H1 (Hex)	H2 (Hex)	H3 (Hex)	WEIGHT (g)	BOX (EA)
LC 03	26.0	Rc1/4	84.0	74.7	12.0	36.0	37.0	26	19	21	368.0	6

OLC2A



MODEL	ØC	T	L	E	A	N	J	H1 (Hex)	H2 (Hex)	H3 (Hex)	WEIGHT (g)	BOX (EA)
OLC 2A	26.2	Rc 1/4	75	68	12	36.5	39.5	19	19	22	228.3	10

OLC3A



MODEL	ØC	T	L	E	A	N	J	H1 (Hex)	H2 (Hex)	H3 (Hex)	WEIGHT (g)	BOX (EA)
OLC 3A	26.2	Rc 1/4	80	107	12	36	52.5	19	19	22	338.7	8

O
C
S
P
H
S
C
T
S
T
A
O
C
T
F

SP Couplers / TSP Couplers

용도 Applications

- 스팀, 기름, 약품, 공기 등 배관 및 장비에 사용하는 카플러입니다

특징 Features

- 유체의 취급이 용이하고 또 분리 시의 내진공도로 10mmHg로 광범위하게 진공응도에 사용됩니다.
- 소켓과 슬러그 양쪽에 개폐밸브가 내장되어 있으며 기존 카플러에 비해 내구성 및 기밀성이 매우 높은 중, 고압용 카플러입니다.
- 양로 개폐형 형식의 카플러이므로 안전성이 뛰어납니다.

사양 Specifications

- 사용유체 Fluid type: Air, Water, Gasoline, Oil, Steam
- 재질 Material: Brass
- 사용압력 Working pressure
Rc1/8 ~ Rc3/8 : 0~50kgf/cm² (5000kPa)
Rc1/2 ~ Rc1 : 0~30kgf/cm² (3000kPa)
- 사용온도유체 Working temperature: -20 ~ 80℃

▶호환성

사이즈가 다른 카플러의 경우 접속이 불가능합니다

▶카플러의 취부 및 체결방향

플러그, 소켓 어느 쪽이라도 유체가 흐릅니다.

최소 단면적 (mm²)

품명	01 SP	02 SP	03 SP	04 SP	06 SP	08 SP	Note
최소단면적	10	25	43	90	180	305	FKM(Viton)

주의사항

- 사용하기 전에 반드시 카플러제품의 주의사항 및 경고사항을 참조하여 사용하기 바랍니다.
- SP 카플러의 제조업체별로 제작 사양이 틀림으로 인해 체결이 되지 않는 경우가 있습니다. 제품사용시 본사에 문의후 제품을 선정하여 사용하기 바랍니다.

주문형식 Product Code System

SP 01 S

① ② ③

① SP Coupler

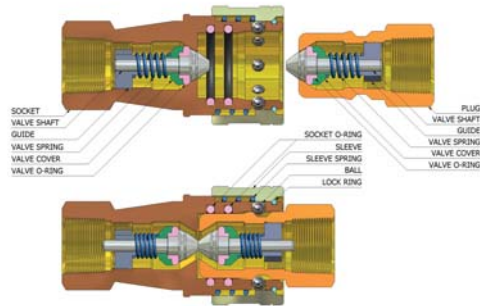
② Thread Size

SIZE	S	P
01	Rc 1/8	Rc 1/8
02	Rc 1/4	Rc 1/4
03	Rc 3/8	Rc 3/8
04	Rc 1/2	Rc 1/2
06	Rc 3/4	Rc 3/4
08	Rc 1	Rc 1

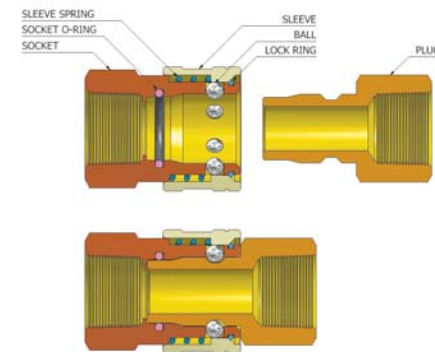
③ Coupling Form

CODE	TYPE
S	Socket
P	Plug

Structural Diagram SP Couplers



Structural Diagram TSP Couplers

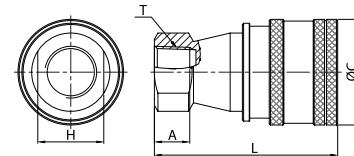


S



MODEL

MODEL	ØC	T	L	A	H (Hex)	WEIGHT (g)	BOX (EA)
SP 01S	24.0	Rc1/8	47.9	8.5	2Hex14×Ø18	90.0	25
SP 02S	28.0	Rc1/4	58.2	11.0	2Hex19×Ø22	141.0	25
SP 03S	34.8	Rc3/8	64.9	12.0	2Hex22×Ø26	223.0	15
SP 04S	43.2	Rc1/2	75.0	15.0	2Hex27×Ø32	408.0	8
SP 06S	53.3	Rc3/4	90.4	16.0	2Hex33×Ø40	685.0	5
SP 08S	62.4	Rc1	105.1	20.0	2Hex41×Ø48	1062.0	2

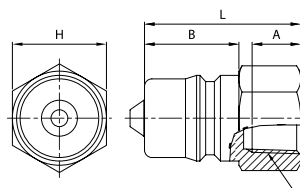


P



MODEL

MODEL	T	L	B	A	H (Hex)	WEIGHT (g)	BOX (EA)
SP 01P	Rc1/8	28.7	19.0	8.5	14	21.0	100
SP 02P	Rc1/4	36.0	22.0	11.0	17	38.0	50
SP 03P	Rc3/8	39.7	25.4	12.0	21	68.0	25
SP 04P	Rc1/2	46.5	28.1	15.0	27	126.0	25
SP 06P	Rc3/4	54.2	36.2	16.0	35	229.0	12
SP 08P	Rc1	64.0	40.5	20.0	41	348.0	6

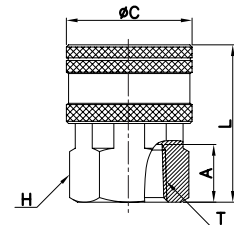


TS



MODEL

MODEL	ØC	T	L	A	H (Hex)	WEIGHT (g)	BOX (EA)
TSP 01TS	17.5	Rc 1/8	27	8.5	14	26.9	50
TSP 02TS	24	Rc 1/4	32	11	19	61.1	25
TSP 03TS	28	Rc 3/8	35	12	23	88.8	25
TSP 04TS	35	Rc 1/2	42	15	29	162.8	15
TSP 06TS	45	Rc 3/4	48	16	38	-	-
TSP 08TS	58	Rc 1	59	20	50	-	-

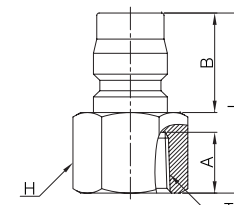


TP



MODEL

MODEL	T	L	B	A	H (Hex)	WEIGHT (g)	BOX (EA)
TSP 01TP	Rc 1/8	26	15.5	8.5	14	14.8	100
TSP 02TP	Rc 1/4	34	18	11	17	30.6	50
TSP 03TP	Rc 3/8	38	21	12	21	47.1	25
TSP 04TP	Rc 1/2	45	24	15	29	113.4	25
TSP 06TP	Rc 3/4	51	28	16	35	-	-
TSP 08TP	Rc 1	60	36	20	41	-	-



Rotary Couplers

용도 및 특징

- 360도 회전이 자유로움.
- 튜브의 꼬임을 방지.
- 45도 각도에서도 자유로운 회전구연이 가능.
- 경량화 및 유선형 디자인.
- 제품의 크롬도금으로 오랜 사용 가능.
- 손목터널증후군예방 및 부상위험 최소화.

사용장소

- 자동화 라인설비.
- 전지 조립 라인.
- 상업 및 주거 건물 건축설비.
- 자동 수리 설비.

사 양 Specifications

- 사용유체 : Air (No other gases or Liquids)
- 사용온도 범위 : -20~60°C
- 사용압력 : 0~145PSI / 0~9.9kgf/cm² (0~990kPa)

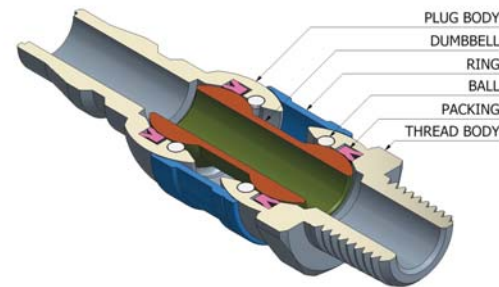
⚠ 주의사항

- Packing의 마모나 노화에 의하여 에어누설이 발생할 경우에는 본체를 새로운 것으로 교환하여 사용하십시오.
- Packing면에 이물질 및 먼지부착이 심하면 누수원인이 되므로 주의하십시오.
- Packing재질의 선택을 잘못하면 누수의 원인이 됩니다. 유체의 종류 및 온도에 대한 고무재질의 적합성을 고려한 후 제품을 선택하여 사용하십시오.
- 카플러 체결시 필요 이상의 힘으로 체결하면 기기파손 및 제품파손의 위험성이 있으니 주의하십시오.
- 금속가루 및 모래가루, 분진이 많은 장소에서는 사용을 피해주십시오. 카플러 작동불량의 Claim이 발생하며, 고장의 원인이 되므로 가급적 사용을 피해주십시오.

⚠ 경고사항

- 가압상태에서 카플러의 착탈은 매우 위험하므로 피해 주십시오. 기기의 파손 및 인명의 피해가 있으므로 유의하시기 바랍니다.
- 인위적인 곡률, 인장, 충격이 가해지면 파손될 수가 있으므로 주의하여 주십시오.
- 카플러를 회전관 이음이나 스위블관 이음의 대체품으로 회전시키는 것은 피해 주십시오.
- 카플러는 큰진동, 충격을 가하는 공구나 기기에서의 사용은 피해주기 바랍니다.
- 카플러에 잔류압이 있으면 체결하기가 어려울 수 있으므로 잔류압을 완전히 제거 한후 체결하십시오.
- 카플러를 임의적으로 분해하여 사용하지 마십시오.

Structural Diagram

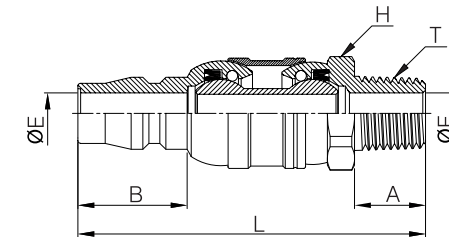


| Couplers

RPM20-D



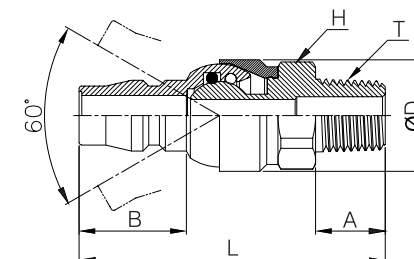
MODEL	T	L	A	B	H	ØE	ØF	WEIGHT (g)	BOX (EA)
RPM 20-D	R 1/4	63	13	20	19	7.5	7.5	59.3	25



RPM20-S



MODEL	T	L	A	B	H(Hex)	ØD	WEIGHT (g)	BOX (EA)
RPM 20-S	R 1/4	57.3	13	20	19	20.8	53.6	25



주문형식 Product Code System

RPM 20 S

① ② ③

① Rotary Coupler

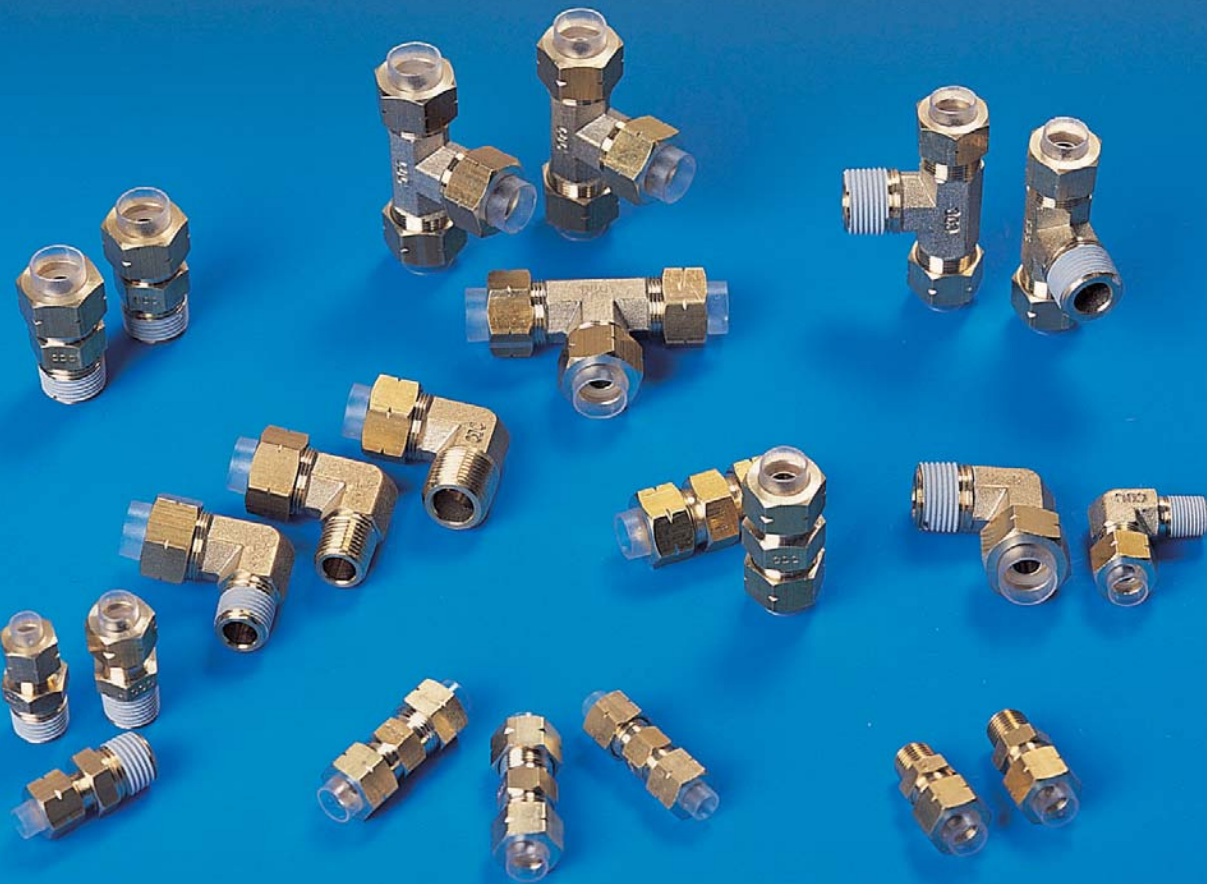
② Thread Size

SIZE	ROTARY
20	R 1/4

③ Coupling Form

CODE	TYPE
S	Single
D	Double

Two-Touch Fittings (Brass)



Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Speed Controller with Pilot Check Valves
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings (Brass)

METRIC

page Model	218 CC	219 CL	220 CT	221 CUC	221 CUL	222 CUT
	222 CSM	223 CSN	223 NUT			



INCH

page Model	218 CC	219 CL	221 CUC	222 CUT	223 CSN	223 NUT

Two-Touch Fittings(Brass)

용 도 Applications

- 콤팩트한 배관 공간에서 튜브의 유지력이 크고 탈착이 용이한 나사식 조임피팅입니다.
- 충격 및 진동이 심한 장비 및 배관환경에서 사용이 용이합니다.

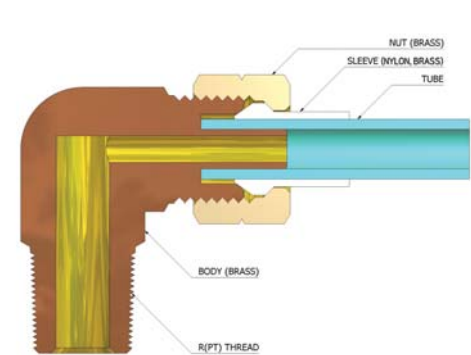
특 징 Features

- 인서트가 붙어있는 타입이므로 내압,내진동성이 뛰어납니다.
- 튜터치방식의 피팅이므로 튜브를 보다 확실하게 연결, 고정시킬 수 있습니다.
- 나사부에 코팅처리가 되어 있어 배관에 효율적입니다.

사 양 Specifications

- 사용유체 Fluid type : Air, Oil, Water
- 사용압력 Working pressure: 0~150PSI / 0~9.9kgf/cm²(0~990kPa).
- 부압 Negative pressure : -750mmHg(750 Torr)
- 사용온도 범위 Working temperature
 - Air: -40℃ ~ +80℃
 - Water : 0℃ ~ +70℃
 - Oil: -40℃ ~ +80℃

Structural Diagram



⚠ 주의사항

- 사용하기 전에 반드시 안전상의 주의 및 경고표시의 분류방법(P9)과 피팅제품의 공통적 주의사항(P10)을 참조하여 주십시오.
- 피팅의 체결 적정 토크를 참조하여 조립하기 바랍니다. (P9)
- 기준으로는 손으로 체결한 후 공구로 2~3회전 하는 것에 해당합니다. 너무 세게 조립할 경우 나사가 파손되므로 주의 하십시오.
- 튜브의 삽입부가 더러워져 있는 경우에는 표면의 더러운 곳을 깨끗이 닦아낸 후 사용하시기 바랍니다.
- 본 제품의 Sleeve는 재(再)사용할 수 없으므로 1회 사용 후 다른 Sleeve로 교환하여 사용하기 바랍니다.

⚠ 경고사항

- 본제품은 필요에 의해 2차가공을 하거나 본체를 분해, 개조한 제품은 사용을 하지마십시오.
- 장력이 걸린 상태에서의 배관은 피하고, 피팅의 튜브 삽입구에서는 급작스런 곡률 배관을 피하여 주의하여 사용하시기 바랍니다.
- 인화성GAS, 부식성GAS 등과 같은 환경에서는 사용을 금합니다.
- 유체가 고온일 경우, 튜브 및 피팅에 닿지 않도록 주의하십시오. 인체에 화상의 원인이 될 수도 있습니다.

주문형식 Product Code System

METRIC - BSPT(R)

CC 6 × 4 - 01

Two Touch
Fitting Brass

Tube Dia			Thread Size	
CODE	O.D	I.D	R(PT) THREAD	SIZE
4×2	φ4	φ2	01	R1/8
4×2.5	φ4	φ2.5	02	R1/4
6×4	φ6	φ4	03	R3/8
8×5	φ8	φ5	04	R1/2
10×6.5	φ10	φ6.5		
10×8	φ10	φ8		
12×8	φ12	φ8		
12×9	φ12	φ9		
16×12	φ16	φ12		
16×13	φ16	φ13		

INCH - BSPT(R)

CC 1/4 - 01

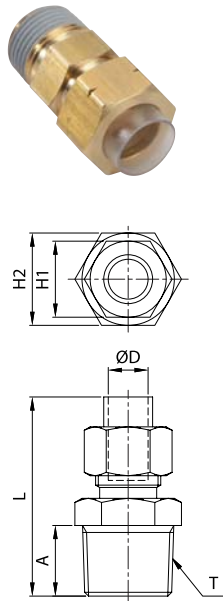
Two Touch
Fitting Brass

Tube Dia (Nylon Tube)			Thread Size	
CODE	O.D	I.D	R(PT) THREAD	SIZE
1/8	φ3.18	φ2.0	01	R1/8
3/16	φ4.76	φ3.0	02	R1/4
1/4	φ6.35	φ4.57	03	R3/8
5/16	φ8.0	φ5.0	04	R1/2
3/8	φ9.53	φ6.99		
1/2	φ12.7	φ9.56		

| Two -Touch Fittings (Brass)

CC

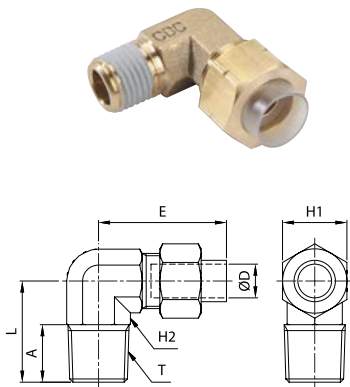
Metric-BSPT(R)



MODEL	ØD	T	L	A	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
CC 4x2-01	1/4	R 1/8	29.4	8.0	10	10	1.0	10.0	100
CC 4x2-02	1/4	R 1/4	34.4	12.0	10	14	1.0	20.0	100
CC 4x2.5-01	1/4	R 1/8	32.4	11.0	10	10	1.3	13.0	100
CC 6x4-01	1/6	R 1/8	30.2	8.0	12	10	2.5	14.0	100
CC 6x4-02	1/6	R 1/4	34.7	12.0	12	14	2.5	22.0	100
CC 6x4-03	1/6	R 3/8	35.7	13.0	12	17	2.5	31.0	50
CC 8x5-01	8	R 1/8	30.3	8.0	14	12	3.5	17.0	100
CC 8x5-02	8	R 1/4	34.8	12.0	14	14	3.5	24.0	100
CC 8x5-03	8	R 3/8	35.8	13.0	14	17	3.5	34.0	50
CC 8x6-01	8	R 1/8	30.3	8.0	14	12	4.5	17.0	100
CC 8x6-02	8	R 1/4	34.8	12.0	14	14	4.5	24.0	100
CC 8x6-03	8	R 3/8	35.8	13.0	14	17	4.5	34.0	50
CC 10x6.5-02	10	R 1/4	35.3	12.0	17	15	5.0	29.0	50
CC 10x6.5-03	10	R 3/8	36.3	13.0	17	17	5.0	38.0	50
CC 10x6.5-04	10	R 1/2	41.3	15.0	17	22	5.0	60.0	25
CC 10x8-02	10	R 1/4	35.3	12.0	17	15	6.5	29.0	50
CC 10x8-03	10	R 3/8	36.3	13.0	17	17	6.5	39.0	50
CC 10x8-04	10	R 1/2	41.3	15.0	17	22	6.5	59.0	25
CC 12x8-02	12	R 1/4	36.3	12.0	19	17	6.5	35.0	50
CC 12x8-03	12	R 3/8	40.3	13.0	19	17	6.5	47.0	25
CC 12x8-04	12	R 1/2	42.3	15.0	19	22	6.5	62.0	25
CC 12x9-02	12	R 1/4	36.3	12.0	19	17	7.5	36.0	50
CC 12x9-03	12	R 3/8	40.3	13.0	19	17	7.5	46.0	25
CC 12x9-04	12	R 1/2	42.3	15.0	19	22	7.5	62.0	25
CC 16x12-03	16	R 3/8	47.7	13.0	27	22	10.0	85.0	12
CC 16x12-04	16	R 1/2	49.7	15.0	27	22	10.0	99.0	12
CC 16x13-03	16	R 3/8	47.7	13.0	27	22	10.0	89.0	12
CC 16x13-04	16	R 1/2	49.7	15.0	27	22	10.0	94.0	12

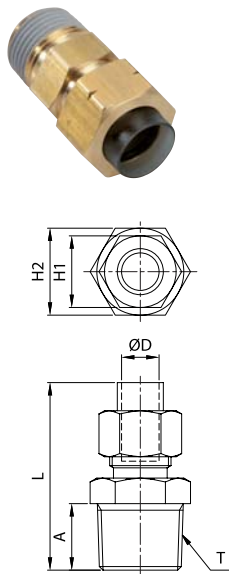
CL

Metric-BSPT(R)



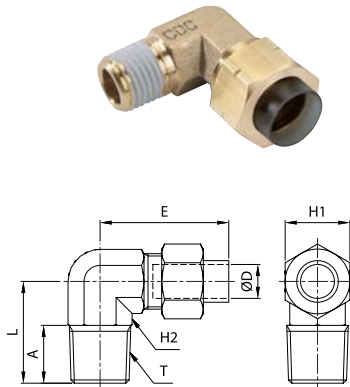
MODEL	ØD	T	L	E	A	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
CL 4x2-01	4	R 1/8	18.0	24.4	10.0	10	10	1.0	19.0	100
CL 4x2-02	4	R 1/4	22.0	27.4	12.5	10	12	1.0	26.0	100
CL 4x2.5-01	4	R 1/8	18.0	24.4	10.0	10	10	1.3	21.0	100
CL 6x4-01	6	R 1/8	19.0	25.7	10.0	12	10	2.5	21.0	100
CL 6x4-02	6	R 1/4	22.0	27.1	12.5	12	12	2.5	28.0	50
CL 6x4-03	6	R 3/8	25.0	28.2	14.0	12	14	2.5	45.0	50
CL 8x5-01	8	R 1/8	19.5	27.8	10.0	14	12	3.5	30.0	50
CL 8x5-02	8	R 1/4	22.0	27.8	12.5	14	12	3.5	32.0	50
CL 8x5-03	8	R 3/8	25.0	28.3	14.0	14	14	3.5	45.0	50
CL 8x6-01	8	R 1/8	19.5	27.8	10.0	14	12	4.5	29.0	50
CL 8x6-02	8	R 1/4	22.0	27.8	12.5	14	12	4.5	31.0	50
CL 8x6-03	8	R 3/8	25.0	28.3	14.0	14	14	4.5	45.0	50
CL 10x6.5-02	10	R 1/4	25.0	30.8	13.0	17	14	5.0	49.0	25
CL 10x6.5-03	10	R 3/8	26.0	30.8	14.0	17	14	5.0	50.0	25
CL 10x6.5-04	10	R 1/2	33.0	32.3	19.0	17	14	5.0	77.0	25
CL 10x8-02	10	R 1/4	25.0	30.8	13.0	17	14	6.5	48.0	25
CL 10x8-03	10	R 3/8	26.0	30.8	14.0	17	14	6.5	49.0	25
CL 10x8-04	10	R 1/2	33.0	32.3	19.0	17	14	6.5	75.0	25
CL 12x8-02	12	R 1/4	25.0	32.3	13.0	19	14	6.5	51.0	25
CL 12x8-03	12	R 3/8	25.0	32.3	14.0	19	14	6.5	52.0	25
CL 12x8-04	12	R 1/2	33.0	33.3	19.0	19	14	6.5	78.0	25
CL 12x9-02	12	R 1/4	25.0	32.3	13.0	19	14	7.5	50.0	25
CL 12x9-03	12	R 3/8	25.0	32.3	14.0	19	14	7.5	52.0	25
CL 12x9-04	12	R 1/2	33.0	33.3	19.0	19	14	7.5	76.0	25
CL 16x12-03	16	R 3/8	30.0	42.5	15.0	27	18	10.0	110.0	12
CL 16x12-04	16	R 1/2	33.0	42.5	19.0	27	18	10.0	120.0	12
CL 16x13-03	16	R 3/8	30.0	42.5	15.0	27	18	10.0	109.0	12
CL 16x13-04	16	R 1/2	33.0	42.5	19.0	27	18	10.0	119.0	12

Inch-BSPT(R)



MODEL	ØD	T	L	A	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
CC 1/4-01	1/4	R 1/8	29.1	8.0	12	10	3.2	14.0	100
CC 1/4-02	1/4	R 1/4	34.1	12.0	12	14	3.2	22.0	100
CC 1/4-03	1/4	R 3/8	35.1	13.0	12	17	3.2	32.0	50
CC 1/4-04	1/4	R 1/2	40.0	15.0	12	22	3.2	55.0	50
CC 5/16-01	5/16	R 1/8	30.4	8.0	14	12	4.5	17.0	100
CC 5/16-02	5/16	R 1/4	34.9	12.0	14	14	4.5	24.0	50
CC 5/16-03	5/16	R 3/8	36.4	13.0	14	17	4.5	35.0	50
CC 5/16-04	5/16	R 1/2	40.0	15.0	14	22	4.5	58.0	25
CC 3/8-01	3/8	R 1/8	30.8	8.0	17	14	5.5	24.0	100
CC 3/8-02	3/8	R 1/4	35.8	12.0	17	14	5.5	30.0	50
CC 3/8-03	3/8	R 3/8	36.8	13.0	17	17	5.5	39.0	50
CC 3/8-04	3/8	R 1/2	41.8	15.0	17	22	5.5	64.0	25
CC 1/2-02	1/2	R 1/4	36.6	12.0	19	17	8.0	33.0	50
CC 1/2-03	1/2	R 3/8	37.6	13.0	19	17	8.0	41.0	25
CC 1/2-04	1/2	R 1/2	42.6	15.0	19	22	8.0	60.0	25

Inch-BSPT(R)



MODEL	ØD	T	L	E	A	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
CL 1/4-01	1/4	R 1/8	19.0	25.0	10.0	12	10	3.2	23.0	100
CL 1/4-02	1/4	R 1/4	22.0	27.0	12.5	12	12	3.2	29.0	50
CL 1/4-03	1/4	R 3/8	25.0	27.5	14.0	12	14	3.2	44.0	50
CL 1/4-04	1/4	R 1/2	32.0	28.5	18.0	12	14	3.2	70.0	25
CL 5/16-01	5/16	R 1/8	19.5	27.9	10.0	14	12	4.5	32.0	50
CL 5/16-02	5/16	R 1/4	22.0	27.9	12.5	14	12	4.5	35.0	50
CL 5/16-03	5/16	R 3/8	25.0	28.4	14.0	14	14	4.5	45.0	50
CL 5/16-04	5/16	R 1/2	32.0	29.3	18.0	14	14	4.5	72.0	25
CL 3/8-01	3/8	R 1/8	19.5	27.7	10.0	17	12	5.5	36.0	25
CL 3/8-02	3/8	R 1/4	22.0	27.7	12.5	17	12	5.5	37.0	25
CL 3/8-03	3/8	R 3/8	25.0	31.2	14.0	17	14	5.5	52.0	25
CL 3/8-04	3/8	R 1/2	33.0	32.7	19.0	17	14	5.5	77.0	25
CL 1/2-02	1/2	R 1/4	25.0	32.6	13.5	19	14	8.0	50.0	25
CL 1/2-03	1/2	R 3/8	25.0	32.6	14.0	19	14	8.0	55.0	25
CL 1/2-04	1/2	R 1/2	33.0	34.6	19.0	19	14	8.0	78.0	25

TWO-TOUCH FITTINGS (BRASS)

O

C

S

P

H

S

C

T

S

T

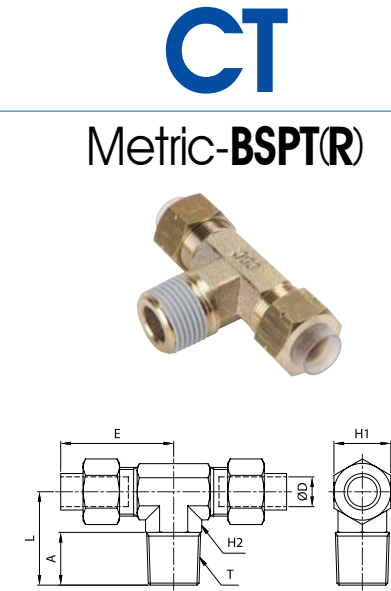
A

O

C

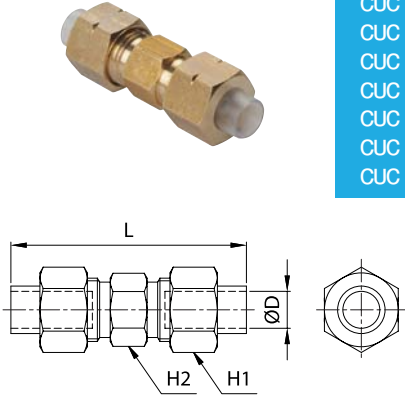
T

F



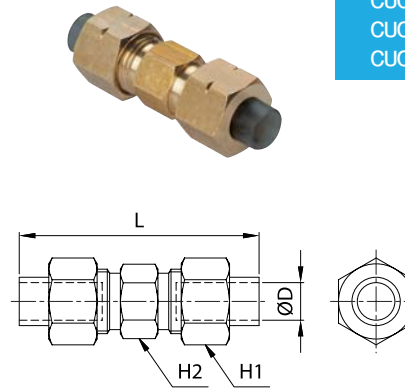
MODEL	ØD	T	L	E	A	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
CT 4x2-01	4	R 1/8	18.0	24.0	10.0	10	10	1.0	27.0	50
CT 4x2-02	4	R 1/4	23.0	26.0	13.0	10	12	1.0	36.0	50
CT 4x2.5-01	4	R 1/8	18.0	24.0	10.0	10	10	1.3	27.0	50
CT 6x4-01	6	R 1/8	18.0	25.2	10.0	12	10	2.5	31.0	50
CT 6x4-02	6	R 1/4	23.0	26.6	13.0	12	12	2.5	41.0	50
CT 6x4-03	6	R 3/8	27.0	28.2	14.0	12	14	2.5	62.0	25
CT 8x5-01	8	R 1/8	20.0	27.8	10.0	14	12	3.5	43.0	25
CT 8x5-02	8	R 1/4	23.0	27.8	13.0	14	12	3.5	42.0	25
CT 8x5-03	8	R 3/8	26.0	28.3	14.0	14	14	3.5	64.0	25
CT 8x6-01	8	R 1/8	20.0	27.8	10.0	14	12	4.5	42.0	25
CT 8x6-02	8	R 1/4	23.0	27.8	13.0	14	12	4.5	43.0	25
CT 8x6-03	8	R 3/8	26.0	28.3	14.0	14	14	4.5	64.0	25
CT 10x6.5-02	10	R 1/4	24.0	31.3	13.0	17	14	5.0	74.0	25
CT 10x6.5-03	10	R 3/8	26.0	31.3	14.0	17	14	5.0	81.0	25
CT 10x6.5-04	10	R 1/2	33.0	33.0	19.0	17	18	5.0	118.0	20
CT 10x8-02	10	R 1/4	24.0	31.3	13.0	17	14	6.5	74.0	25
CT 10x8-03	10	R 3/8	26.0	31.3	14.0	17	14	6.5	78.0	25
CT 10x8-04	10	R 1/2	35.0	31.3	19.0	17	18	6.5	121.0	20
CT 12x8-02	12	R 1/4	23.0	32.3	13.0	19	14	6.5	78.0	12
CT 12x8-03	12	R 3/8	27.0	32.3	14.0	19	14	6.5	86.0	12
CT 12x8-04	12	R 1/2	35.0	35.3	19.0	19	18	6.5	129.0	12
CT 12x9-02	12	R 1/4	23.0	32.3	13.0	19	14	7.5	77.0	12
CT 12x9-03	12	R 3/8	27.0	32.3	14.0	19	14	7.5	83.0	12
CT 12x9-04	12	R 1/2	35.0	35.3	19.0	19	18	7.5	132.0	12

CUC
Metric



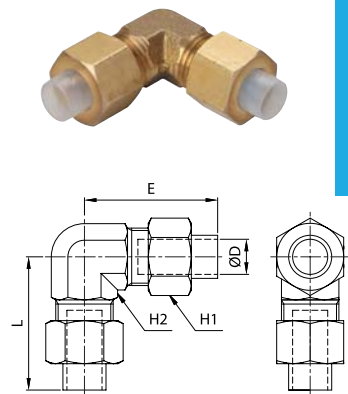
MODEL	ØD	L	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
CUC 4x2	4	39.8	10	10	1.0	16.0	100
CUC 4x2.5	4	39.8	10	10	1.3	16.0	100
CUC 6x4	6	42.3	12	10	2.5	20.0	100
CUC 8x5	8	42.7	14	12	3.5	26.0	100
CUC 8x6	8	42.7	14	12	4.5	25.0	50
CUC 10x6.5	10	44.5	17	17	5.0	45.0	25
CUC 10x8	10	44.5	17	17	6.5	43.0	25
CUC 12x8	12	46.6	19	17	6.5	51.0	25
CUC 12x9	12	46.6	19	17	7.5	49.0	25

Inch



MODEL	ØD	L	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
CUC 1/4	1/4	41.1	12	10	3.2	20.0	100
CUC 3/8	3/8	45.5	17	14	5.0	40.0	25
CUC 1/2	1/2	47.2	19	17	8.0	49.0	25

CUL
Metric



MODEL	ØD	L	E	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
CUL 4x2	4	23.5	23.5	10	10	1.0	23.0	100
CUL 4x2.5	4	23.5	23.5	10	10	1.3	23.0	100
CUL 6x4	6	25.7	25.7	12	10	2.5	26.0	50
CUL 8x5	8	27.8	27.8	14	12	3.5	39.0	50
CUL 8x6	8	27.8	27.8	14	12	4.5	37.0	50
CUL 10x6.5	10	31.3	31.3	17	14	5.0	62.0	25
CUL 10x8	10	31.3	31.3	17	14	6.5	57.0	25
CUL 12x8	12	32.3	32.3	19	14	6.5	64.0	25
CUL 12x9	12	32.3	32.3	19	14	7.5	62.0	25

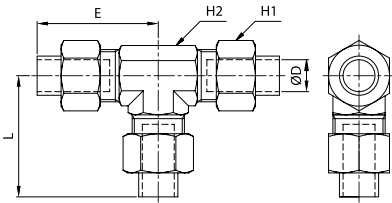
| Two -Touch Fittings (Brass)

CUT

Metric



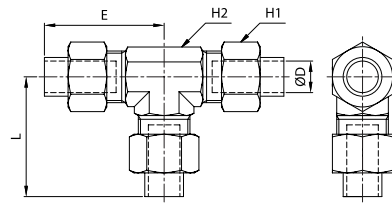
MODEL	ØD	L	E	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
CUT 4x2	4	23.9	23.9	10	10	1.0	30.0	50
CUT 4x2.5	4	23.9	23.9	10	10	1.3	30.0	50
CUT 6x4	6	25.2	25.2	12	10	2.5	36.0	50
CUT 8x5	8	27.8	27.8	14	12	3.5	50.0	25
CUT 8x6	8	27.8	27.8	14	12	4.5	49.0	25
CUT 10x6.5	10	31.3	31.3	17	14	5.0	84.0	25
CUT 10x8	10	31.3	31.3	17	14	6.5	82.0	25
CUT 12x8	12	32.3	32.3	19	14	6.5	91.0	12
CUT 12x9	12	32.3	32.3	19	14	7.5	87.0	12



Inch



MODEL	ØD	L	E	H1 (Hex)	H2 (Hex)	ORIFICE	WEIGHT (g)	BOX (EA)
CUT 1/4	1/4	24.5	24.5	12	10	3.2	35.0	50
CUT 3/8	3/8	31.7	31.7	17	14	5.5	84.0	25
CUT 1/2	1/2	32.6	32.6	19	14	8.0	85.0	12

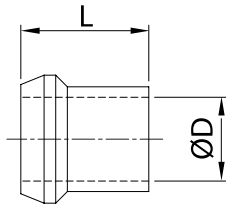


CSM

Metric



MODEL	ØD	L	BOX (EA)
CSM 04	4	11.0	400
CSM 06	6	11.0	400
CSM 08	8	11.0	400
CSM 10	10	12.0	400
CSM 12	12	13.0	400
CSM 16	16	17.0	100

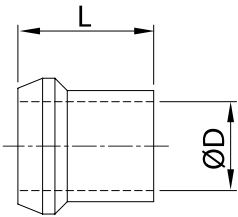


CSN

Metric



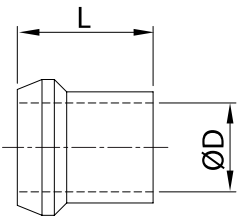
MODEL	ØD	L	BOX (EA)
CSN 04	4	11.0	400
CSN 06	6	11.0	400
CSN 08	8	11.0	400
CSN 10	10	12.0	400
CSN 12	12	13.0	400
CSN 16	16	17.0	100



Inch



MODEL	ØD	L	BOX (EA)
CSN 1/8	1/8	11.0	400
CSN 3/16	3/16	10.0	400
CSN 1/4	1/4	11.0	400
CSN 5/16	5/16	11.0	400
CSN 3/8	3/8	12.0	400
CSN 1/2	1/2	13.0	400

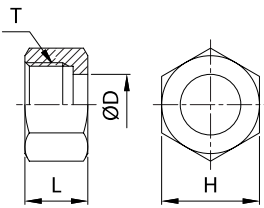


NUT

Metric



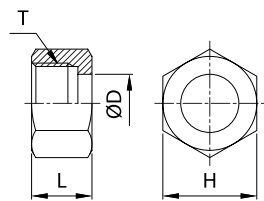
MODEL	ØD	L	T	H (Hex)	WEIGHT (g)	BOX (EA)
NUT 04	4	9.0	M8×0.75p	10	3.0	100
NUT 06	6	9.0	M10×1.0p	12	5.0	100
NUT 08	8	9.0	M12×1.0p	14	6.0	100
NUT 10	10	10.0	M15×1.0p	17	9.0	100
NUT 12	12	11.0	M17×1.0p	19	10.0	100
NUT 16	16	13.0	M22×1.0p	27	32.0	50



Inch



MODEL	ØD	L	T	H (Hex)	WEIGHT (g)	BOX (EA)
NUT 3/16	3/16	9.0	M8×0.75p	10	4.0	100
NUT 1/4	1/4	9.0	M10×1.0p	12	5.0	100
NUT 5/16	5/16	9.0	M12×1.0p	14	6.0	100
NUT 3/8	3/8	10.0	M14×1.0p	17	10.0	100
NUT 1/2	1/2	11.5	M17×1.0p	19	11.0	100



Fittings For Water Application



Naturally high-quality, improved by technology.

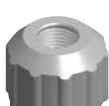
Fluidfit Series

- Metric Fittings
- Inch Fittings
- Large Size Fittings
- Check Valves
- Flow Control Valves
- Ball Valves
- Accessories
- Tube

www.fluidfit.net

Fittings For Water Application

METRIC

page Model	230 HPC	230 HPC-G	232 HCF-G	232 HCF-UNF	232 HCF-UNS	232 HCF-NH
						
	234 HCJ	234 HCJ-G	235 HPL	236 HLJ	237 HGJ	238 HMM
						
	239 HUC	240 HUL	241 HUT	242 HUY	242 HZA	243 HPF
						
	244 HPP	244 HCB	244 HUFF	245 HCAS-F	245 HCAS-H	
						

INCH

page Model	231 HPC	231 HPC-G	231 HPC-R	231 HPC-MFL	233 HCF	233 HCF-G
						
	233 HCF-UNF	233 HCF-UN	234 HCJ	235 HPL	236 HLJ	237 HGJ
						
	238 HMM	239 HUC	240 HUL	241 HUT	242 HUY	243 HBU
						

243 HPF	244 HPP
	

LARGE SIZE FITTING

page Model	246 HPC-G	246 HCJ-G	246 HLJ	247 HGJ	247 HUC	247 HUL
						
page Model	248 HUT	248 HPF	248 HPP	248 HCB		
						

SINGLE CHECK VALVES

page Model	249 HCVU	249 HCVU	250 HSLB	250 HSLB
				

FLOW CONTROL VALVES

BALL VALVES

page Model	251 HBVU	251 HBVU	251 HCVB
			

ACCESSORIES

page Model	252 HCP	252 HCP	253 PE
			

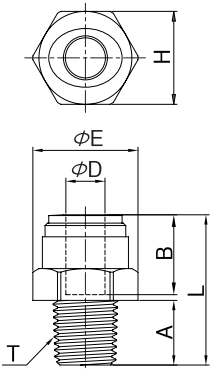
POLYETHYLENE TUBE

HPC

Metric-BSPT(R)



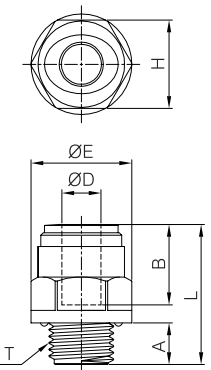
MODEL	ØD	T (BSPT,R)	A	B TUBE DEEP	ØE	H(Hex)	L	WEIGHT (g)	BOX (EA)
HPC 04R01	4	1/8	9.1	14.7	18.5	17	26.0	4.1	100
HPC 06R01	6	1/8	9.1	16.1	18.5	17	26.2	3.9	100
HPC 06R02	6	1/4	13.1	16.1	18.5	17	26.7	4.2	100
HPC 06R03	6	3/8	13.5	16.1	21.0	19	26.6	5.9	50
HPC 08R01	8	1/8	9.1	17.5	21.0	19	28.1	5.2	100
HPC 08R02	8	1/4	13.1	17.5	21.0	19	30.6	5.8	50
HPC 08R03	8	3/8	13.5	17.5	21.0	19	27.0	5.7	50
HPC 10R03	10	3/8	13.5	20.1	23.2	21	28.8	6.7	50
HPC 10R04	10	1/2	16.3	20.1	24.4	22	32.1	9.6	50
HPC 12R03	12	3/8	13.5	24.7	26.5	24	32.2	8.9	50
HPC 12R04	12	1/2	16.3	24.7	26.5	24	34.3	11.0	50



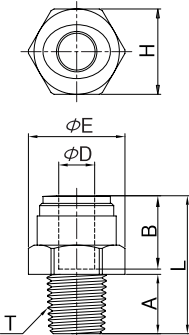
Metric-BSPP(G)
Straight Adaptor



MODEL	ØD	T (BSPP,G)	A	B TUBE DEEP	ØE	H(HEX)	L	WEIGHT (g)	BOX (EA)
HPC 04G01	4	1/8	6.0	14.7	16.6	15.0	21.9	3.3	100
HPC 04G02	4	1/4	8.5	14.7	20.5	18.0	23.9	4.9	100
HPC 06G01	6	1/8	6.0	16.1	16.6	15.0	24.1	3.3	100
HPC 06G02	6	1/4	8.5	16.1	20.5	18.0	24.1	4.8	100
HPC 08G01	8	1/8	6.0	17.5	18.5	17.0	27.0	5.2	100
HPC 08G02	8	1/4	8.5	17.5	20.5	18.0	28.5	6.1	50
HPC 08G03	8	3/8	9.0	17.5	24.0	21.0	26.5	7.0	50
HPC 08G04	8	1/2	12.5	17.5	28.5	26.0	29.5	11.9	50
HPC 10G02	10	1/4	8.5	20.1	21.1	19.0	30.8	7.2	50
HPC 10G03	10	3/8	9.0	20.1	24.2	21.0	26.3	7.0	50
HPC 10G04	10	1/2	12.5	20.1	28.5	26.0	29.8	11.3	25
HPC 12G03	12	3/8	9.0	24.7	27.0	24.0	34.2	11.6	25
HPC 12G04	12	1/2	12.5	24.7	28.5	26.0	32.7	12.4	25



Inch-NPTF



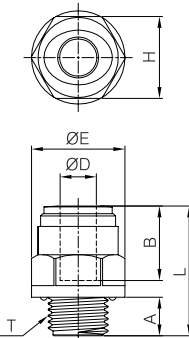
MODEL	ØD	T (NPTF)	A	B TUBE DEEP	ØE	H (INCH)	L	WEIGHT (g)	BOX (EA)
HPC 5/32-N01	5/32	1/8	9.1	14.7	17.8	15.8(5/8)	22.2	3.2	100
HPC 5/32-N02	5/32	1/4	13.2	14.7	17.8	15.8(5/8)	25.3	4.3	100
HPC 3/16-N01	3/16	1/8	9.1	15.0	17.8	15.8(5/8)	22.4	3.1	100
HPC 3/16-N02	3/16	1/4	13.2	15.0	17.8	15.8(5/8)	25.5	4.2	100
HPC 1/4-N01	1/4	1/8	9.1	16.9	17.8	15.8(5/8)	27.0	3.9	100
HPC 1/4-N02	1/4	1/4	13.2	16.9	17.8	15.8(5/8)	27.0	4.3	100
HPC 1/4-N03	1/4	3/8	13.8	16.9	21.4	19.0(3/4)	26.1	6.1	50
HPC 5/16-N01	5/16	1/8	9.1	17.5	21.4	19.0(3/4)	28.4	5.6	100
HPC 5/16-N02	5/16	1/4	13.2	17.5	21.4	19.0(3/4)	27.9	5.2	50
HPC 5/16-N03	5/16	3/8	13.8	17.5	21.4	19.0(3/4)	26.5	6.0	50
HPC 5/16-N04	5/16	1/2	17.8	17.5	25	22.2(7/8)	33.5	11.5	50
HPC 3/8-N01	3/8	1/8	9.1	20.2	23	20.6(13/16)	30.4	6.7	50
HPC 3/8-N02	3/8	1/4	13.2	20.2	23	20.6(13/16)	34.3	7.9	50
HPC 3/8-N03	3/8	3/8	13.8	20.2	23	20.6(13/16)	29.9	7.5	50
HPC 3/8-N04	3/8	1/2	17.8	20.2	25	22.2(7/8)	33.9	11.0	50
HPC 1/2-N03	1/2	3/8	13.8	25.1	27.4	24.5(31/32)	38.4	11.7	50
HPC 1/2-N04	1/2	1/2	17.8	25.1	27.4	24.5(31/32)	37.9	12.7	50

Inch-BSPT(R)

MODEL	ØD	T (BSPT,R)	A	B TUBE DEEP	ØE	H (IHEX)	L	WEIGHT (g)	BOX (EA)
HPC 1/4-R01	1/4	1/8	8.1	16.4	18.5	17	26.2	4.0	100
HPC 1/4-R03	1/4	3/8	13.5	16.9	21.0	19	26.6	5.8	50
HPC 3/8-R03	3/8	3/8	13.5	20.2	23.2	21	28.9	6.8	50



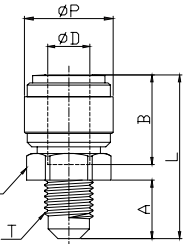
Inch-BSPP(G)



MODEL	ØD	T (BSPP,G)	A	B TUBE DEEP	ØE	H(HEX)	L	WEIGHT (g)	BOX (EA)
HPC 3/16-G01	3/16	1/8	6.0	15.0	16.5	15	24.1	3.3	100
HPC 1/4-G01	1/4	1/8	6.0	16.9	16.5	15	24.1	3.6	100
HPC 1/4-G02	1/4	1/4	8.5	16.9	20.5	18	24.1	4.7	100
HPC 5/16-G01	5/16	1/8	6.0	17.5	18.5	17	27.0	5.2	100
HPC 5/16-G02	5/16	1/4	8.5	17.5	20.5	18	28.5	6.1	50
HPC 5/16-G03	5/16	3/8	9.0	17.5	24.0	21	26.5	7.0	50
HPC 3/8-G02	3/8	1/4	8.5	20.2	21.1	19	30.9	7.3	50
HPC 3/8-G03	3/8	3/8	8.5	20.2	24.2	21	26.4	7.1	50
HPC 1/2-G04	1/2	1/2	12.5	24.9	28.4	26	32.9	12.3	25



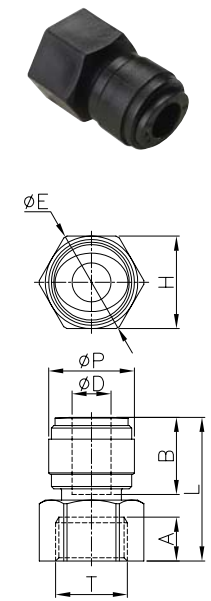
Inch-MFL



MODEL	ØD	T (MFL)	A	B TUBE DEEP	ØP	H (HEX)	L	WEIGHT (g)	BOX (EA)
HPC 3/8-MFL02	3/8	1/4	13.2	20.2	20	17	36.9	7.3	50

※MFL 1/4 Corresponds to a UNF7/16-20

HCF



Metric-BSPP(G)

MODEL	ØD	ØP	T (BSPP,G)	L	A	B TUBE DEEP	H(HEX)	ØE	WEIGHT (g)	BOX (EA)
HCF 04G01	4	17.6	1/8	26.9	6.0	14.7	17	19.2	6.6	50
HCF 06G01	6	17.6	1/8	27.1	6.0	16.1	17	19.2	6.1	50
HCF 06G02	6	17.6	1/4	29.1	8.5	16.1	19	21.5	7.0	50
HCF 06G03	6	17.6	3/8	30.6	9.0	16.1	24	27.3	9.9	50
HCF 08G01	8	17.6	1/8	27.5	6.0	17.5	17	19.2	6.0	50
HCF 08G02	8	17.6	1/4	29.5	8.5	17.5	19	21.5	6.7	50
HCF 08G03	8	17.6	3/8	31.0	9.0	17.5	24	27.3	9.7	50
HCF 08G04	8	20.0	1/2	38.0	12.5	17.5	27	30.0	13.8	25
HCF 08G06	8	20.0	3/4	36.6	10.0	17.5	36.7	41.6	39.2	20
HCF 10G02	10	23.0	1/4	34.5	8.5	20.1	19	21.5	10.8	50
HCF 10G03	10	23.0	3/8	37.0	9.0	20.1	24	27.3	13.7	25
HCF 10G04	10	20.0	1/2	38.3	12.5	20.1	27	30.0	13.3	25
HCF 10G06	10	20.0	3/4	36.9	10.0	20.1	36.7	41.6	38.6	20
HCF 12G02	12	23.0	1/4	35.2	8.5	24.7	19	21.5	10.3	50
HCF 12G03	12	23.0	3/8	37.7	9.0	24.7	24	27.3	13.0	25
HCF 12G04	12	23.0	1/2	41.7	12.5	24.7	27	30.0	15.4	25

Metric-UNF

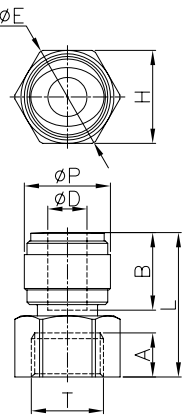
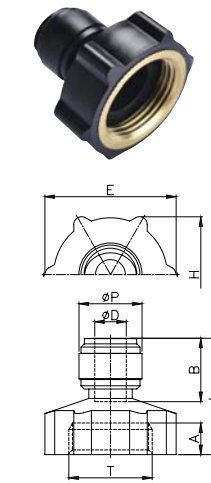
MODEL	ØD	ØP	T (UNF)	L	A	B TUBE DEEP	H(HEX)	ØE	WEIGHT (g)	BOX (EA)
HCF 06-UNF7/16	6	17.6	7/16-20	30.1	9.5	16.1	17	19	6.5	50
HCF 08-UNF7/16	8	17.6	7/16-20	30.5	9.5	17.5	17	19	6.5	50
HCF 10-UNF7/16	10	20	7/16-20	33.1	9.5	20.1	17	19	7.5	50

Metric-UNS

MODEL	ØD	ØP	T (UNS)	L	A	B TUBE DEEP	H(HEX)	ØE	WEIGHT (g)	BOX (EA)
HCF 06-UNS7/16	6	17.6	7/16-24	27.1	6.7	16.1	17	19	6.1	50
HCF 08-UNS7/16	8	17.6	7/16-24	27.5	6.7	17.5	17	19	6.1	50

Metric-NH

MODEL	ØD	ØP	T (NH)	L	A	B TUBE DEEP	H	E	WEIGHT (g)	BOX (EA)
HCF 06-NH06	6	15.5	3/4	34.2	10.0	16.1	36.7	41.6	34.9	-
HCF 08-NH06	8	20	3/4	36.6	10.0	17.5	36.7	41.6	36.5	-



Inch-NPTF

MODEL	ØD	ØP	T (NPTF)	L	A	B TUBE DEEP	H(HEX)	ØE	WEIGHT (g)	BOX (EA)
HCF 1/4-N01	1/4	15.5	1/8	30.9	11.5	16.9	17	19	6.1	50
HCF 1/4-N02	1/4	15.5	1/4	30.9	11.5	16.9	19	21.5	6.5	50
HCF 3/8-N02	3/8	20	1/4	34.2	11.5	20.2	19	21.5	8.5	50

Inch-BSPP(G)

MODEL	ØD	ØP	T (BSPP,G)	L	A	B TUBE DEEP	H(HEX)	ØE	WEIGHT (g)	BOX (EA)
HCF 1/4-G04	1/4	20	1/2	37.6	12.5	16.9	27	30	13.9	25
HCF 3/8-G04	3/8	20	1/2	38.4	12.5	20.2	27	30	13.4	25
HCF 3/8-G05	3/8	20	5/8	38.2	13.5	20.2	29	32	14.8	25
HCF 3/8-G05H	3/8	20	5/8	35.2	9.5	20.2	28	30.4	13.2	25
HCF 3/8-G06	3/8	20	3/4	37.0	10.0	20.2	36.7	41.6	39.3	20
HCF 1/2-G04	1/2	23	1/2	41.9	12.5	25.1	27	30	15.5	25

Inch-UNF

MODEL	ØD	ØP	T (UNF)	L	A	B TUBE DEEP	H(HEX)	ØE	WEIGHT (g)	BOX (EA)
HCF 5/16-UNF7/16	5/16	17.6	7/16-20	30.5	9.5	17.5	17	19	6.5	50
HCF 3/8-UNF7/16	3/8	20	7/16-20	33.2	9.5	20.2	17	19	7.5	50

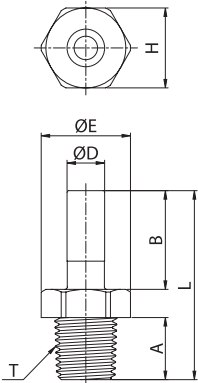
Inch-UN

MODEL	ØD	ØP	T (UN)	L	A	B TUBE DEEP	H(HEX)	ØE	WEIGHT (g)	BOX (EA)
HCF 3/8-UN1/2	3/8	20	1/2-16	36.7	12.5	20.2	19	21.5	8.9	50

HCJ



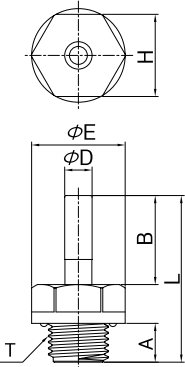
MODEL	ØD	T (BSPT,R)	A	B	ØE	H(HEX)	L	WEIGHT (g)	BOX (EA)
HCJ 04R01	4	1/8	9.1	18.0	14.4	13	33.1	1.8	100
HCJ 04R02	4	1/4	13.1	18.0	18.5	17	37.1	3.5	100
HCJ 06R01	6	1/8	9.1	19.5	14.4	13	34.6	2.0	100
HCJ 06R02	6	1/4	13.1	19.5	18.5	17	38.6	3.7	100
HCJ 08R01	8	1/8	9.1	21.0	14.4	13	36.1	2.2	100
HCJ 08R02	8	1/4	13.1	21.0	18.5	17	40.1	3.8	50
HCJ 08R03	8	3/8	13.5	21.0	23	21	40.5	5.3	50
HCJ 10R02	10	1/4	13.1	24.0	18.5	17	43.1	4.5	50
HCJ 10R03	10	3/8	13.5	24.0	23	21	44.0	6.1	50
HCJ 10R04	10	1/2	16.5	24.0	26.5	24	47.0	9.7	25
HCJ 12R03	12	3/8	13.5	28.0	23	21	48.0	6.8	50
HCJ 12R04	12	1/2	16.5	28.0	26.5	24	51.0	10.2	25



Metric-BSPP(G)



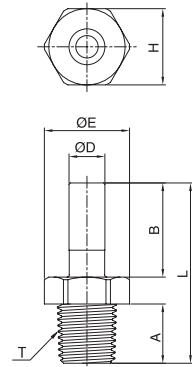
MODEL	ØD	T (BSPP,G)	A	B	ØE	H(HEX)	L	WEIGHT (g)	BOX (EA)
HCJ 04G01	4	1/8	6.0	18.0	16.6	15	32.5	2.7	100
HCJ 04G02	4	1/4	8.5	18.0	20.5	18	35.0	4.2	100
HCJ 06G01	6	1/8	6.0	19.5	16.6	15	34.0	2.8	100
HCJ 06G02	6	1/4	8.5	19.5	20.5	18	36.5	4.3	100
HCJ 08G01	8	1/8	6.0	21.0	16.6	15	35.5	3.0	100
HCJ 08G02	8	1/4	8.5	21.0	20.5	18	38.0	4.6	50
HCJ 08G03	8	3/8	9.0	21.0	24.2	22	38.5	6.2	50
HCJ 10G02	10	1/4	8.5	24.0	20.5	18	41.0	5.2	50
HCJ 10G03	10	3/8	9.0	24.0	24.2	22	41.5	6.8	50
HCJ 10G04	10	1/2	12.5	24.0	28.5	26	45.0	10.7	25
HCJ 12G03	12	3/8	9.0	28.0	24.2	22	45.5	7.3	50
HCJ 12G04	12	1/2	12.5	28.0	28.5	26	49.0	11.2	25



Inch-NPTF



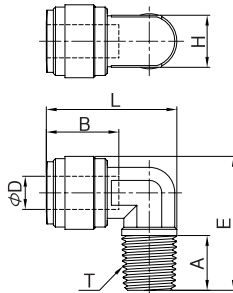
MODEL	ØD	T (NPTF)	A	B	ØE	H(HEX)	L	WEIGHT (g)	BOX (EA)
HCJ 5/32-N01	5/32	1/8	9.1	18.0	14.1	12.7(1/2)	33.1	1.9	100
HCJ 5/32-N02	5/32	1/4	13.2	18.0	17.8	15.8(5/8)	37.2	3.6	100
HCJ 3/16-N01	3/16	1/8	9.1	18.0	14.1	12.7(1/2)	33.1	2.0	100
HCJ 1/4-N01	1/4	1/8	9.1	19.0	14.1	12.7(1/2)	34.1	2.1	100
HCJ 1/4-N02	1/4	1/4	13.2	19.0	17.8	15.8(5/8)	38.2	3.8	100
HCJ 5/16-N01	5/16	1/8	9.1	20.0	14.1	12.7(1/2)	35.1	2.8	100
HCJ 5/16-N02	5/16	1/4	13.2	20.0	17.8	15.8(5/8)	39.2	3.9	50
HCJ 5/16-N03	5/16	3/8	13.8	20.0	21.5	19.0(3/4)	40.3	5.9	50
HCJ 3/8-N02	3/8	1/4	13.2	23.0	17.8	15.8(5/8)	42.2	4.5	50
HCJ 3/8-N03	3/8	3/8	13.8	23.0	21.5	19.0(3/4)	43.3	6.5	50
HCJ 1/2-N03	1/2	3/8	13.8	27.0	21.5	19.0(3/4)	47.3	6.9	50
HCJ 1/2-N04	1/2	1/2	17.8	27.0	26.8	23.8(15/16)	51.3	11.4	25



HPL



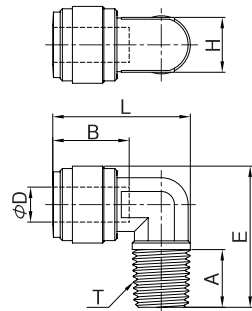
MODEL	ØD	ØP	T (BSPT,R)	A	B TUBE DEEP	E	H	L	WEIGHT (g)	BOX (EA)
HPL 04R01	4	15	1/8	9.1	14.7	25.6	10	25.2	4.2	100
HPL 06R01	6	15	1/8	9.1	16.1	25.6	10	25.4	4.1	100
HPL 06R02	6	15	1/4	13.1	16.1	30.6	10	27.0	5.1	50
HPL 06R03	6	17.6	3/8	13.5	16.1	32.6	13	33.1	8.4	50
HPL 08R02	8	17.6	1/4	13.1	17.5	32.2	13	31.5	7.0	50
HPL 08R03	8	17.6	3/8	13.5	17.5	32.6	13	33.5	8.0	50
HPL 10R02	10	23.6	1/4	13.1	20.1	38.3	17	37.5	14.1	25
HPL 10R03	10	20	3/8	13.5	20.1	35.7	14	33.9	9.2	50
HPL 12R02	12	23.6	1/4	13.1	24.7	38.3	17	38.2	13.1	25
HPL 12R03	12	23	3/8	13.5	24.7	38.3	17	38.4	13.2	25
HPL 12R04	12	23	1/2	16.3	24.7	41.4	17	40.7	15.6	25



Inch-NPTF



MODEL	ØD	ØP	T (NPTF)	A	B TUBE DEEP	E	H (INCH)	L	WEIGHT (g)	BOX (EA)
HPL 5/32-N01	5/32	15.5	1/8	9.1	14.7	26.4	11.0(7/16)	25.4	4.9	100
HPL 3/16-N01	3/16	15.5	1/8	9.1	15	26.4	11.0(7/16)	25.6	4.7	100
HPL 1/4-N01	1/4	15.5	1/8	9.1	16.9	26.4	11.0(7/16)	25.6	4.2	100
HPL 1/4-N02	1/4	15.5	1/4	13.2	16.9	31.9	11.0(7/16)	27.0	5.7	50
HPL 1/4-N03	1/4	15.5	3/8	13.8	16.9	32.7	11.0(7/16)	28.9	7.1	50
HPL 5/16-N02	5/16	20	1/4	13.2	17.5	35.2	14.3(9/16)	31.4	9.0	50
HPL 5/16-N03	5/16	20	3/8	13.8	17.5	35.8	14.3(9/16)	33.5	10.3	50
HPL 3/8-N02	3/8	20	1/4	13.2	20.2	35.2	14.3(9/16)	31.8	8.6	50
HPL 3/8-N03	3/8	20	3/8	13.8	20.2	35.8	14.3(9/16)	33.9	9.9	50
HPL 1/2-N03	1/2	23.6	3/8	13.8	25.1	39.3	17.4(11/16)	39.7	13.3	25
HPL 1/2-N04	1/2	23.6	1/2	17.8	25.1	43.3	17.4(11/16)	41.5	16.2	25

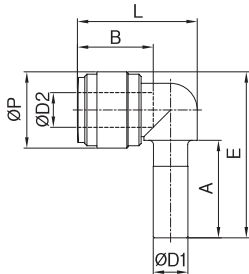


HLJ

Metric-BSPT(R)



MODEL	ØD1	ØD2	ØP	A	B2 TUBE DEEP	E	L	WEIGHT (g)	BOX (EA)
HLJ 0404	4	4	13.2	18.0	14.7	30.1	21.9	2.5	100
HLJ 0606	6	6	15.5	21.0	16.1	34.8	25.1	3.7	100
HLJ 0608	6	8	17.6	21.0	17.5	36.8	26.0	4.7	100
HLJ 0808	8	8	17.6	22.5	17.5	38.3	27.7	5.3	50
HLJ 1006	10	6	20.0	24.8	16.1	43.2	30.6	7.8	50
HLJ 1008	10	8	20.0	24.8	17.5	43.2	31.0	8.2	50
HLJ 1010	10	10	20.0	24.8	20.1	43.2	31.3	7.4	50
HLJ 1212	12	12	23.6	29.5	24.7	51.2	39.0	12.6	25

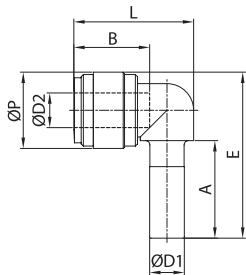


Inch-NPTF

StemElbow



MODEL	ØD1	ØD2	ØP	A	B2 TUBE DEEP	E	L	WEIGHT (g)	BOX (EA)
HLJ 5/32-5/32	5/32	5/32	13.2	18.0	14.7	30.1	21.9	2.5	100
HLJ 3/16-3/16	3/16	3/16	13.8	18.5	15.0	31.4	22.5	2.9	100
HLJ 1/4-1/4	1/4	1/4	15.5	21.0	16.9	34.8	25.1	3.7	100
HLJ 5/16-5/16	5/16	5/16	17.6	22.5	17.5	38.3	27.7	5.4	50
HLJ 3/8-1/4	3/8	1/4	15.5	24.8	16.9	38.6	25.1	4.5	50
HLJ 3/8-5/16	3/8	5/16	20.0	24.8	17.5	43.2	31.0	8.1	50
HLJ 3/8-3/8	3/8	3/8	20.0	24.8	20.2	43.2	31.4	7.9	50
HLJ 1/2-1/2	1/2	1/2	23.6	29.5	25.1	51.2	39.2	12.7	25

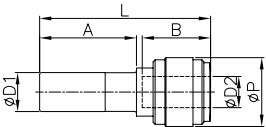


HGJ

Metric



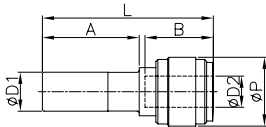
MODEL	ØD1	ØD2	ØP	L	A	B TUBE DEEP	WEIGHT (g)	BOX (EA)
HGJ 0604	6	4	13.2	36.7	21.0	14.7	2.4	100
HGJ 0804	8	4	15.5	40.4	22.5	14.7	3.7	100
HGJ 0806	8	6	15.5	40.6	22.5	16.1	3.5	100
HGJ 0810	8	10	20.0	44.9	22.5	20.1	5.4	50
HGJ 1006	10	6	17.6	43.4	24.8	16.1	5.2	50
HGJ 1008	10	8	17.6	43.8	24.8	17.5	5.1	50



Inch



MODEL	ØD1	ØD2	ØP	L	A	B	WEIGHT (g)	BOX (EA)
HGJ 1/4-5/32	1/4	5/32	13.2	36.7	21	14.7	2.4	100
HGJ 5/16-1/4	5/16	1/4	15.5	40.6	22.5	16.9	3.4	100
HGJ 3/8-1/4	3/8	1/4	17.6	43.9	24.8	16.9	4.7	50
HGJ 3/8-5/16	3/8	5/16	17.6	44.3	24.8	17.5	4.6	50
HGJ 1/2-3/8	1/2	3/8	20	51.7	29.5	20.2	7.1	50

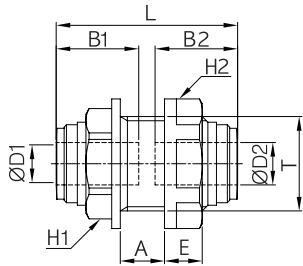


HMM

Metric-BSPT(R)



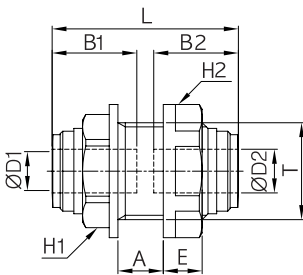
MODEL	ØD1	ØD2	T	L	E	A	B1 TUBE DEEP	B2 TUBE DEEP	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
HMM 0404	4	4	M15×1.5p	32.4	6.5	8.1	14.7	14.7	17	18	6.9	50
HMM 0604	6	4	M17×1.5p	35.5	7.0	9.4	16.1	14.7	19	21	9.8	50
HMM 0606	6	6	M17×1.5p	35.7	7.0	9.4	16.1	16.1	19	21	9.6	50
HMM 0806	8	6	M20×1.75p	38.1	8.0	9.4	17.5	16.1	21	25.5	14.3	25
HMM 0808	8	8	M20×1.75p	38.5	8.0	9.4	17.5	17.5	21	25.5	14.0	25
HMM 1010	10	10	M24×1.75p	42.2	8.5	11.1	20.1	20.1	24	28.5	19.5	25
HMM 1212	12	12	M27×2.0p	51.4	9.0	16.4	24.7	24.7	27	31	28.2	20



Inch



MODEL	ØD1	ØD2	T	L	E	A	B1 TUBE DEEP	B2 TUBE DEEP	H1 (Hex)	H2 (Hex)	WEIGHT (g)	BOX (EA)
HMM 5/32-5/32	5/32	5/32	M15×1.5p	32.4	6.5	8.1	14.7	14.7	17	18	6.9	50
HMM 1/4-1/4	1/4	1/4	M17×1.5p	35.7	7.0	9.4	16.9	16.9	19	21	9.4	50
HMM 1/4-3/8	1/4	3/8	M24×1.75p	47.9	8.5	11.1	16.9	20.2	24	28.5	20.9	25
HMM 5/16-5/16	5/16	5/16	M20×1.75p	38.5	8.0	9.4	17.5	17.5	21	25.5	14.2	25
HMM 3/8-3/8	3/8	3/8	M24×1.75p	42.4	8.5	11.1	20.2	20.2	24	28.5	20.1	25
HMM 1/2-1/2	1/2	1/2	M27×2.0p	51.8	9.0	16.4	25.1	25.1	27	31	27.6	20

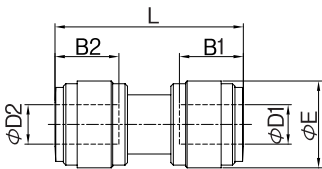


HUC

Metric



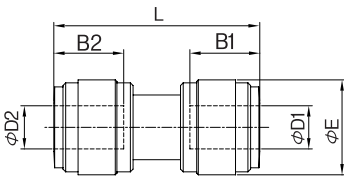
MODEL	ØD1	ØD2	B1 TUBE DEEP	B2 TUBE DEEP	ØE	L	WEIGHT (g)	BOX (EA)
HUC 0404	4	4	14.7	14.7	13.2	31.8	3.8	100
HUC 0604	6	4	16.1	14.7	15	35.0	5.0	100
HUC 0606	6	6	16.1	16.1	15	35.2	4.7	100
HUC 0804	8	4	17.5	14.7	17.6	36.6	6.5	50
HUC 0806	8	6	17.5	16.1	17.6	37.8	7.1	50
HUC 0808	8	8	17.5	17.5	17.6	38.2	6.9	50
HUC 1006	10	6	20.1	16.1	20	42.0	9.8	50
HUC 1008	10	8	20.1	17.5	20	42.4	9.6	50
HUC 1010	10	10	20.1	20.1	20	42.7	9.2	50
HUC 1210	12	10	24.7	20.1	23	51.7	15.0	25
HUC 1212	12	12	24.7	24.7	23	52.4	14.4	25



Inch



MODEL	ØD1	ØD2	B1 TUBE DEEP	B2 TUBE DEEP	ØE	L	WEIGHT (g)	BOX (EA)
HUC 5/32-5/32	5/32	5/32	14.7	14.7	13.2	31.8	3.8	100
HUC 3/16-3/16	3/16	3/16	15.0	15.0	13.8	32.5	4.0	100
HUC 1/4-1/4	1/4	1/4	16.9	16.9	15.5	36.2	5.2	100
HUC 5/16-5/32	5/16	5/32	17.5	14.7	17.6	36.6	6.5	50
HUC 5/16-1/4	5/16	1/4	17.5	16.9	17.6	36.8	6.0	50
HUC 5/16-5/16	5/16	5/16	17.5	17.5	17.6	38.2	6.9	50
HUC 3/8-1/4	3/8	1/4	20.2	16.9	20	42.1	9.9	50
HUC 3/8-5/16	3/8	5/16	20.2	17.5	20	42.5	9.9	50
HUC 3/8-3/8	3/8	3/8	20.2	20.2	20	42.9	9.7	50
HUC 1/2-5/16	1/2	5/16	25.1	17.5	23.6	52.0	16.7	25
HUC 1/2-3/8	1/2	3/8	25.1	20.2	23.6	52.4	16.3	25
HUC 1/2-1/2	1/2	1/2	25.1	25.1	23.6	53.2	14.6	25

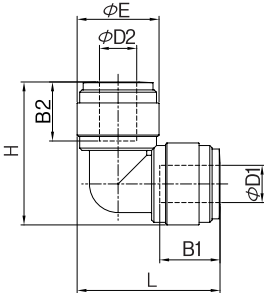


HUL

Metric



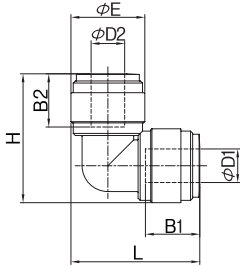
MODEL	ØD1	ØD2	B1 TUBE DEEP	B2 TUBE DEEP	ØE1	ØE2	L	H	WEIGHT (g)	BOX (EA)
HUL 0404	4	4	14.7	14.7	13.2	13.2	24.5	24.5	3.9	100
HUL 0606	6	6	16.1	16.1	15	15	27.6	27.6	5.1	100
HUL 0804	8	4	17.5	14.7	17.6	13.2	28.3	29.7	5.9	50
HUL 0806	8	6	17.5	16.1	17.6	17.6	30.7	30.3	7.7	50
HUL 0808	8	8	17.5	17.5	17.6	17.6	30.7	30.7	7.6	50
HUL 1006	10	6	20.1	16.1	23	17.6	37.8	36.1	12.6	50
HUL 1008	10	8	20.1	17.5	20	20	35.8	35.5	10.2	50
HUL 1010	10	10	20.1	20.1	20	20	35.8	35.8	10.2	50
HUL 1206	12	6	24.7	16.1	23	17.6	38.5	36.1	12.0	50
HUL 1208	12	8	24.7	17.5	23	17.6	38.5	36.5	11.9	50
HUL 1210	12	10	24.7	20.1	23	23	43.2	42.5	17.3	25
HUL 1212	12	12	24.7	24.7	23	23	43.2	43.2	16.4	25



Inch



MODEL	ØD1	ØD2	B1 TUBE DEEP	B2 TUBE DEEP	ØE1	ØE2	L	H	WEIGHT (g)	BOX (EA)
HUL 5/32-5/32	5/32	5/32	14.7	14.7	13.2	13.2	24.5	24.5	4.0	100
HUL 3/16-3/16	3/16	3/16	15.0	15.0	13.8	13.8	25.5	25.5	4.3	100
HUL 1/4-1/4	1/4	1/4	16.9	16.9	15.5	15.5	28.8	28.8	5.5	100
HUL 5/16-5/32	5/16	5/32	17.5	14.7	17.6	13.2	28.3	29.7	5.9	50
HUL 5/16-1/4	5/16	1/4	17.5	16.9	17.6	17.6	30.7	30.3	7.6	50
HUL 5/16-5/16	5/16	5/16	17.5	17.5	17.6	17.6	30.7	30.7	7.5	50
HUL 3/8-5/16	3/8	5/16	20.2	17.5	20	20	35.9	35.5	11.1	50
HUL 3/8-3/8	3/8	3/8	20.2	20.2	20	20	35.9	35.9	10.6	50
HUL 1/2-3/8	1/2	3/8	25.1	20.2	23	23	43.4	42.6	17.5	25
HUL 1/2-1/2	1/2	1/2	25.1	25.1	23	23	43.4	43.4	16.7	25

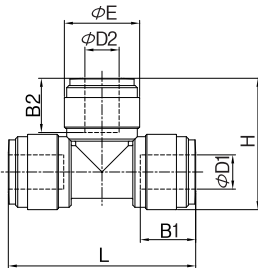


HUT

Metric



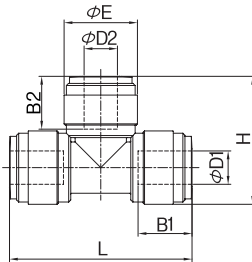
MODEL	ØD1	ØD2	ØD3	B1 TUBE DEEP	B2 TUBE DEEP	B3 TUBE DEEP	ØE1	ØE2	ØE3	H	L	WEIGHT (g)	BOX (EA)
HUT 0404	4	4	4	14.7	14.7	14.7	13.2	13.2	13.2	24.5	35.8	5.8	100
HUT 0606	6	6	6	16.1	16.1	16.1	15	15	15	27.6	40.2	7.3	50
HUT 0808	8	8	8	17.5	17.5	17.5	17.6	17.6	17.6	30.7	43.8	10.6	50
HUT 100608	10	6	8	20.1	16.1	17.5	20	20	20	35.1	51.3	15.6	25
HUT 100610	10	6	10	20.1	16.1	20.1	20	15	20	32.1	51.6	12.0	25
HUT 1010	10	10	10	20.1	20.1	20.1	20	20	20	35.8	51.6	14.6	25
HUT 1212	12	12	12	24.7	24.7	24.7	23	23	23	43.2	63.4	23.2	20



Inch



MODEL	ØD1	ØD2	B1 TUBE DEEP	B2 TUBE DEEP	ØE	H	L	WEIGHT (g)	BOX (EA)
HUT 5/32-5/32	5/32	5/32	14.7	14.7	13.2	24.5	35.8	5.7	100
HUT 3/16-3/16	3/16	3/16	15.0	15.0	13.8	25.5	37.2	6.2	100
HUT 1/4-1/4	1/4	1/4	16.9	16.9	15.5	28.8	42.0	8.1	50
HUT 5/16-5/16	5/16	5/16	17.5	17.5	17.6	30.7	43.8	10.6	50
HUT 3/8-3/8	3/8	3/8	20.2	20.2	20	35.9	51.8	15.4	25
HUT 1/2-1/2	1/2	1/2	25.1	25.1	23	43.4	63.8	23.2	20

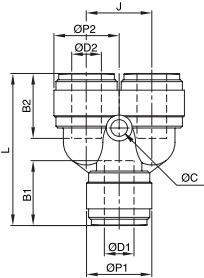


HUY

Metric



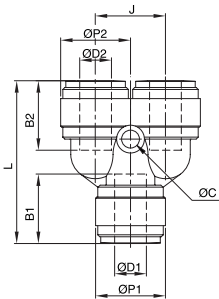
MODEL	ØD1	ØD2	B1 TUBE DEEP	B2 TUBE DEEP	ØP1	ØP2	L	J	ØC	WEIGHT (g)	BOX (EA)
HUY 0404	4	4	14.7	14.7	13.8	13.8	33.7	13.5	3.3	6.7	100
HUY 0606	6	6	16.1	16.1	15.5	15.5	38.8	15.5	3.3	9.2	50
HUY 0808	8	8	17.5	17.5	17.6	17.6	41.0	17.6	4.5	11.6	50
HUY 1008	10	8	20.1	17.5	20	20	45.9	20.0	4.5	16.8	25
HUY 1010	10	10	20.1	20.1	20	20	46.2	20.0	4.5	16.0	25
HUY 1212	12	12	24.7	24.7	23	23	56.4	23.0	4.5	26.3	20



Inch



MODEL	ØD1	ØD2	B1 TUBE DEEP	B2 TUBE DEEP	ØP1	ØP2	L	J	ØC	WEIGHT (g)	BOX (EA)
HUY 5/32-5/32	5/32	5/32	14.7	14.7	13.8	13.8	33.7	13.5	3.3	6.7	100
HUY 3/16-3/16	3/16	3/16	15.0	15.0	13.8	13.8	34.1	13.5	3.3	6.8	50
HUY 1/4-1/4	1/4	1/4	16.9	16.9	15.5	15.5	38.8	15.5	3.3	8.8	50
HUY 5/16-5/16	5/16	5/16	17.5	17.5	17.6	17.6	41.0	17.6	4.5	11.8	50
HUY 3/8-3/8	3/8	3/8	20.2	20.2	20	20	46.4	20.0	4.5	16.7	25
HUY 1/2-1/2	1/2	1/2	25.1	25.1	23	23	56.8	23.0	4.5	25.1	20

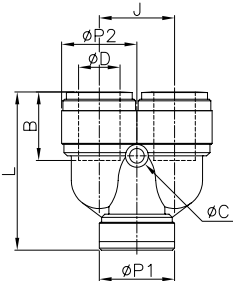


HBU

Inch



MODEL	ØD1	B	ØP1	ØP2	L	J	ØC	WEIGHT (g)	BOX (EA)
HBU 1/2-1/2	1/2	25.1	23	23	48.3	23	4.5	23.9	20

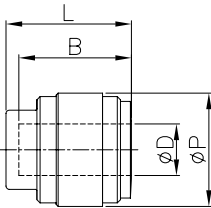


HPF

Metric



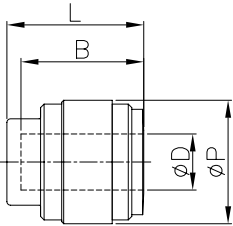
MODEL	ØD	ØP	L	B	WEIGHT (g)	BOX (EA)
HPF 06	6	15.5	18.9	16.1	2.8	100
HPF 08	8	17.6	19.5	17.5	3.6	100
HPF 10	10	20	22.1	20.1	4.7	-
HPF 12	12	23	26.7	24.7	7.3	-



Inch



MODEL	ØD	ØP	L	B	WEIGHT (g)	BOX (EA)
HPF 1/4	1/4	15.5	18.9	16.9	2.7	-
HPF 5/16	5/16	17.6	19.5	17.5	3.6	-
HPF 3/8	3/8	20	22.2	20.2	5.0	-
HPF 1/2	1/2	23	26.9	24.9	7.0	-

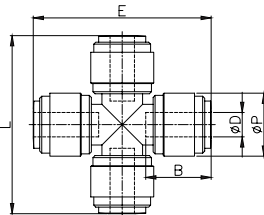


HZA

Metric



MODEL	ØD	ØP	L	E	B TUBE DEEP	WEIGHT (g)	BOX (EA)
HZA 06	6	15.5	43.8	43.8	16.1	9.7	25

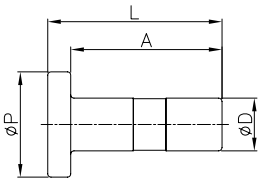


HPP

Metric



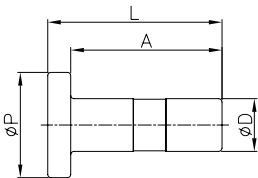
MODEL	ØD	ØP	L	A	WEIGHT (g)	BOX (EA)
HPP 04	4	13	22.5	19.0	0.8	200
HPP 06	6	13	24.5	21.0	1.1	200
HPP 08	8	16	26.5	23.0	1.8	100
HPP 10	10	18	30.0	26.0	2.7	100
HPP 12	12	21	34.0	30.0	4.0	100



Inch



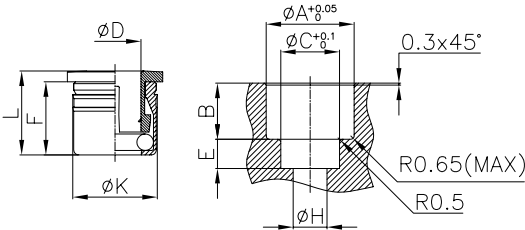
MODEL	ØD	ØP	L	A	WEIGHT (g)	BOX (EA)
HPP 5/32	5/32	13	22.5	19.0	0.8	200
HPP 3/16	3/16	13	22.5	19.0	0.9	200
HPP 1/4	1/4	13	24.5	21.0	1.2	200
HPP 5/16	5/16	16	26.5	23.0	1.8	100
HPP 3/8	3/8	18	30.0	26.0	2.7	100
HPP 1/2	1/2	21.5	34.0	30.0	4.4	100



HCAS-F



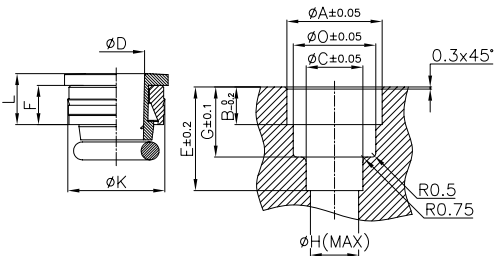
MODEL	ØD	ØK	ØA	ØC	ØH	L	F	B	E	WEIGHT (g)	BOX (EA)
HCAS-F 04	4	10.2	10	4.15	3.2	12.0	10.5	10.3	3.2	3.8	200
HCAS-F 06	6	11.25	11	6.15	5.2	12.6	11.0	10.8	3.7	3.2	200
HCAS-F 08	8	13.25	13	8.15	7.2	13.2	11.5	11.3	4.8	3.9	200
HCAS-F 10	10	15.25	15	10.15	9.2	14.3	12.5	12.2	5.4	4.7	-
HCAS-F 12	12	17.8	17.5	12.15	11.2	16.9	14.8	14.1	7.3	7.2	-



HCAS-H



MODEL	ØD	ØK	ØA	ØO	ØC	ØH (MAX)	L	F	B	G	E	WEIGHT (g)	BOX (EA)
HCAS-H 04	4	12.7	12.5	8.3	4.2	3.3	6.8	5.3	4.9	8.9	12.8	4.2	200
HCAS-H 06	6	13.6	13.4	10	6.2	5	6.6	5.0	4.6	9.8	14.0	3.9	200
HCAS-H 08	8	14.05	13.82	11.95	8.2	7	7.4	5.7	5.46	10.15	15.0	3.5	200
HCAS-H 10	10	16.3	16.05	14	10.2	9	8.8	7.0	6.86	11.8	18.2	5.0	100
HCAS-H 12	12	19.35	19.1	16.55	12.2	11	10.8	8.8	8.65	15.5	23.5	9.0	100

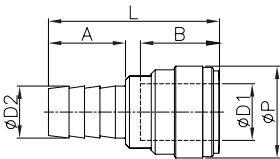


HCBB

Metric

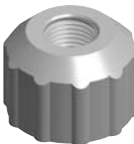


MODEL	ØD1	ØD2	ØP	L	A	B TUBE DEEP	WEIGHT (g)	BOX (EA)
HCBB 1210	12	10	23	46.9	20.0	24.7	8.5	25

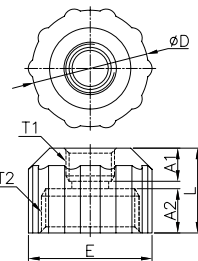


HUFF

Metric



MODEL	ØD	T1	T2	A1	A2	L	E	WEIGHT (g)	BOX (EA)
HCFF G02-G06	31.5	1/4	3/4	9.5	12.0	23.0	33.5	15.6	-
HCFF G03-G06	31.5	3/8	3/4	9.5	12.0	23.0	33.5	14.5	-



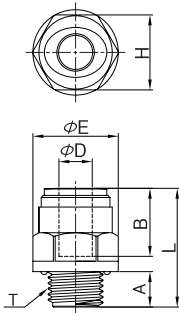
LARGE SIZE FITTINGS

HPC-G

Metric-BSPP(G)
Straight Adaptor



MODEL	ØD	T (BSPP.G)	A	B TUBE DEEP	ØE	H(Hex)	L	WEIGHT (g)	BOX (EA)
HPC 15G04	15	1/2	12.5	29.4	28.8	26.0	43.9	18.4	-
HPC 15G06	15	3/4	14.5	29.4	39.0	33.0	39.0	24.5	-
HPC 22G06	22	3/4	14.5	33.8	39.0	33.0	51.0	31.5	-

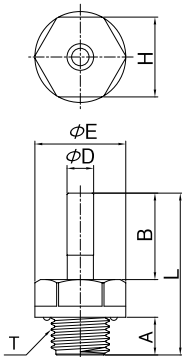


HCJ-G

Metric-BSPP(G)

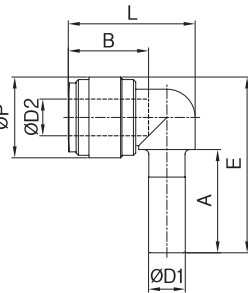


MODEL	ØD	T (BSPP.G)	A	B	ØE	H(Hex)	L	WEIGHT (g)	BOX (EA)
HCJ 15G04	15	1/2	12.5	36.0	28.8	26	57.0	13.1	-



HLJ

Metric-BSPT(R)

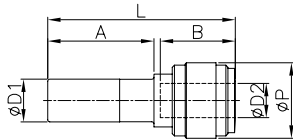


HGJ

Metric



MODEL	ØD1	ØD2	ØP	L	A	B	WEIGHT (g)	BOX (EA)
HGJ 1510	15	10	23.6	61.0	35.0	20.1	12.0	25
HGJ 1512	15	12	23.6	61.7	35.0	24.7	11.3	25

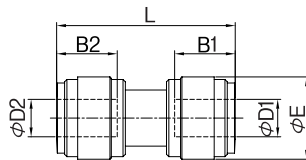


HUC

Metric



MODEL	ØD1	ØD2	B1	B2	ØE	L	WEIGHT (g)	BOX (EA)
HUC 1515	15	15	29.4	29.4	28.0	61.8	23.4	20
HUC 2222	22	22	33.8	33.8	35.5	70.6	37.7	9

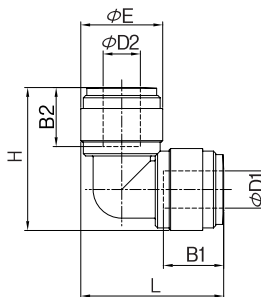


HUL

Metric



MODEL	ØD1	ØD2	B1	B2	ØE	L	H	WEIGHT (g)	BOX (EA)
HUL 1515	15	15	29.4	29.4	28.0	52.2	52.2	27.4	20
HUL 2222	22	22	33.8	33.8	35.5	63.9	63.9	46.8	9



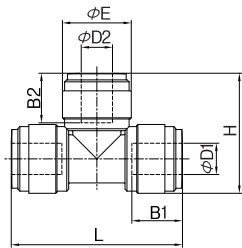
LARGE SIZE FITTINGS

HUT

Metric



MODEL	ØD1	ØD2	B1	B2	ØE1	ØE2	H	L	WEIGHT (g)	BOX (EA)
HUT 1515	15	15	29.4	29.4	28.0	28.0	52.2	76.4	38.2	9
HUT 2222	22	22	33.8	33.8	35.5	35.5	63.9	92.3	64.0	6

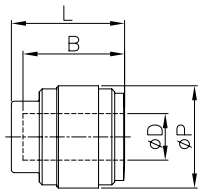


HPF

Metric



MODEL	ØD	ØP	L	B	WEIGHT (g)	BOX (EA)
HPF 15	15	28.0	32.1	29.4	12.6	-
HPF 22	22	35.5	36.6	33.8	20.6	-

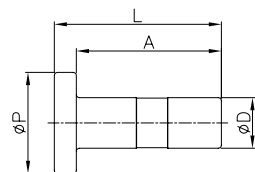


HPP

Metric



MODEL	ØD	ØP	L	A	WEIGHT (g)	BOX (EA)
HPP 15	15	25	40.8	36.0	6.4	-
HPP 22	22	33	45.5	41.0	12.2	-

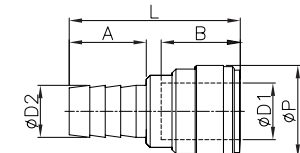


HCBB

Metric



MODEL	ØD1	ØD2	ØP	L	A	B	WEIGHT (g)	BOX (EA)
HCBB 15-1/2	15	1/2	28.0	54.2	22.3	29.4	14.0	-
HCBB 22-1/2	22	1/2	35.7	58.8	22.3	33.8	22.1	-
HCBB 22-3/4	22	3/4	35.7	66.5	30.0	33.8	25.7	-



SINGLE CHECK VALVES (NON-RETURN VALVE)

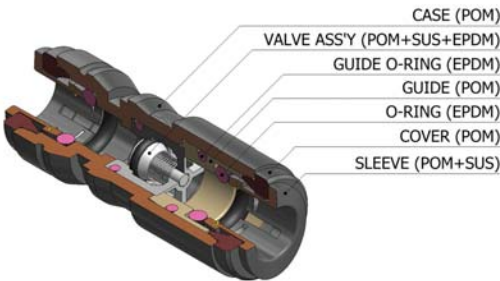
용도 Applications

- 유체를 한쪽 방향으로만 흐르게 하는 역류 방지 밸브입니다.

특징 Features

- 소형이어서 작은 공간에서도 사용하기 편리합니다.
- Cracking Pressure 0.02bar
- 설치가 쉽고 사용이 편리합니다.

Structural Diagram

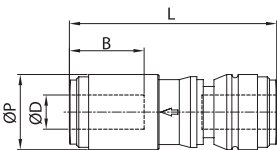


HCVU

Metric
Equal Straight



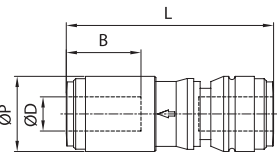
MODEL	ØD	ØP	L	B TUBE DEEP	WEIGHT (g)	BOX (EA)
HCVU 0606	6	15.5	45.5	16.1	7.4	50
HCVU 0808	8	17.6	48.6	17.5	10.0	50
HCVU 1010	10	20	57.6	19.4	14.5	25
HCVU 1212	12	23.6	67.5	23.9	22.1	25



Inch
Equal Straight



MODEL	ØD	ØP	L	B TUBE DEEP	WEIGHT (g)	BOX (EA)
HCVU 1/4-1/4	1/4	15.5	45.5	16.1	7.4	50
HCVU 5/16-5/16	5/16	17.6	48.6	17.5	10.0	50
HCVU 3/8-3/8	3/8	20	57.6	19.5	15.0	25
HCVU 1/2-1/2	1/2	23.6	67.9	24.1	21.5	25



FLOW CONTROL VALVES

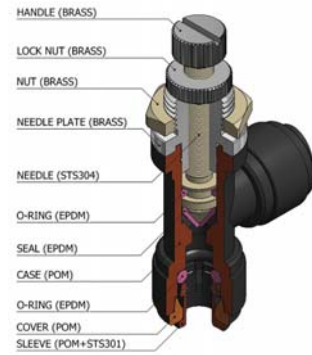
용도 Applications

-소형 유량을 조절하여 일정한 유량을 배출하는 밸브입니다.

특징 Features

- 물, 식음료 등에 사용가능합니다.
- 면적 변화에 의해 유량을 증감 할 수 있습니다.
- 설치가 쉽고 사용이 편리합니다.
- 온도의 변화에도 안정성 있게 사용 할 수 있습니다.

Structural Diagram

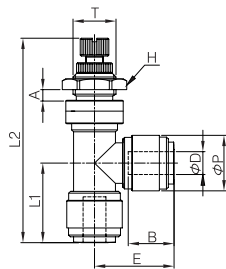


HSLB

Metric



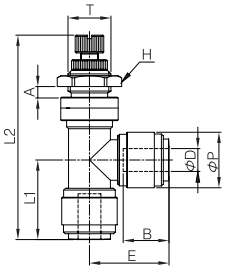
MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E	A	B	H (HEX)	WEIGHT (g)	BOX (EA)
HSLB 0606	6	15.5	M12×p1.0	22.2	57.1	61.3	22.2	5.0	16.1	16	28.7	50



Inch



MODEL	ØD	ØP	T	L1	L2 MIN	L2 MAX	E	A	B	H (HEX)	WEIGHT (g)	BOX (EA)
HSLB 1/4-1/4	1/4	15.5	M12×p1.0	22.2	57.1	61.3	22.2	5.0	16.9	16	28.7	50

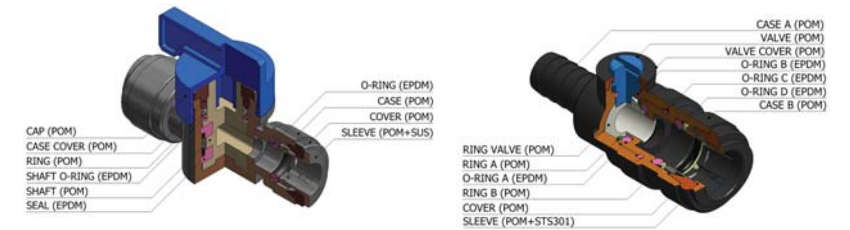


BALL VALVES (SHUT-OFF VALVE)

용도 Applications

- 압축공기, 물의 공급을 개폐(ON/OFF)하는 밸브 입니다.
- 공기 및 물에 사용 가능

Structural Diagram



특징 Features

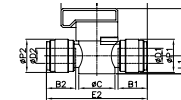
- 소형이어서 작은 공간에서도 사용이 편리 합니다
- TUBE SIZE에 맞게 사용 가능하며 TUBE SIZE 만큼의 유효 단면적을 확보 할 수 있습니다.

HBVU

Metric



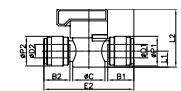
MODEL	ØD1	ØD2	B1	B2	ØP1	ØP2	L1	L2	E1	E2	H	ØC	WEIGHT (g)	BOX (EA)
HBVU 0606	6	6	16.1	16.1	15.5	15.5	9.5	34.5	25.9	51.7	19	19.2	16.0	25
HBVU 0808	8	8	17.5	17.5	17.6	17.6	9.5	34.5	26.8	53.5	19	19.2	17.4	25
HBVU 1010	10	10	20.1	20.1	20	20	12.5	42.3	31.5	63.0	26.3	24.2	29.0	15
HBVU 1212	12	12	23.7	23.7	23	23	12.5	42.3	35.2	70.4	26.3	24.2	35.4	15



Inch



MODEL	ØD1	ØD2	B1	B2	ØP1	ØP2	L1	L2	E1	E2	H	ØC	WEIGHT (g)	BOX (EA)
HBVU 1/4-1/4	1/4	1/4	16.1	16.1	15.5	15.5	9.5	34.5	25.9	51.7	19	19.2	16.0	25
HBVU 5/16-5/16	5/16	5/16	17.5	17.5	17.6	17.6	9.5	34.5	26.8	53.5	19	19.2	17.4	25
HBVU 3/8-3/8	3/8	3/8	20.2	20.2	20	20	12.5	42.3	31.6	63.2	26.3	24.2	29.0	15
HBVU 1/2-1/2	1/2	1/2	23.9	23.9	23	23	12.5	42.3	35.4	70.8	26.3	24.2	35.4	15

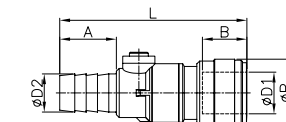


HCVB

Metric



MODEL	ØD1	ØD2	ØP	L	A	B TUBE DEEP	WEIGHT (g)
HCVB 15-1/2	15	1/2	28.5	74.2	22.3	29.4	29.3
HCVB 22-1/2	22	1/2	35.7	87.3	22.3	33.8	38.9
HCVB 22-3/4	22	3/4	35.7	99.0	30.0	33.8	47.7



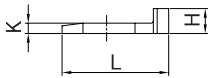
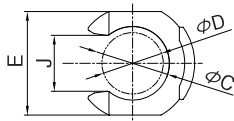
ACCESSORIES

HCP

Metric



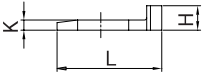
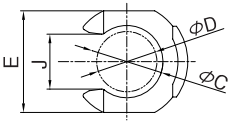
MODEL	ØD TUBE	ØC	E	L	H	J	K	WEIGHT (g)	BOX (EA)
HCP 04	4	6.2	10.2	11.0	2.8	4.3	1.1	0.09	1000
HCP 06	6	8	11.6	11.6	3.1	6.4	1.3	0.12	1000
HCP 08	8	9.6	13.5	13.9	3.3	7.3	1.4	0.16	1000
HCP 10	10	11.8	16.0	16.4	3.4	9.2	1.4	0.23	1000
HCP 12	12	14.4	19.0	19.0	3.6	11.1	1.4	0.3	1000



Inch



MODEL	ØD TUBE	ØC	E	L	H	J	K	WEIGHT (g)	BOX (EA)
HCP 5/32	5/32	6.2	10.2	11.0	2.8	4.3	1.1	0.09	1000
HCP 3/16	3/16	6.2	10.2	11.0	2.8	4.3	1.1	0.09	1000
HCP 1/4	1/4	8	11.6	11.6	3.1	6.4	1.3	0.12	1000
HCP 5/16	5/16	9.6	13.5	13.9	3.3	7.3	1.4	0.16	1000
HCP 3/8	3/8	11.8	16.0	16.4	3.4	9.2	1.4	0.23	1000
HCP 1/2	1/2	14.4	19.0	19.0	3.6	11.1	1.4	0.3	1000



POLYETHYLENE TUBE

용도 Applications

- 정수기, 아이스 제조기, 식음료용 공장라인, 커피머신 등

특징 Features

- 다양한 온도와 압력에 사용 가능합니다.
- 화학적 내구성이 우수합니다.
- 어떤 오염 혹은 인체 유해한 재료를 사용하지 않았으며 FDA 규정에 합당합니다.

사양 Specifications

- 공차 Tube Tolerance : +0.1mm/-0.1mm
- 온도 Temperature : -20°F(-29℃) ~ +150°F(66℃)

최대압력 Maximum Pressure

Size	5/32"	3/16"	1/4"	5/16"	3/8"	1/2"
	4mm	5mm	6mm	8mm	10mm	12mm
Pressure	230 PSI			170 PSI		



색상 및 사이즈 Available Color and Sizes

PE



MODEL(Outer · Inner)											
Tube(Metric)	Color					Tube(Inch)	Color				
PE 0425	Natural	Black	White	Red	Blue	PE 5/32	Natural	Black	White	Red	Blue
PE 0640	Natural	Black	White	Red	Blue	PE 3/16	Natural	Black	White	Red	Blue
PE 0860	Natural	Black	White	Red	Blue	PE 1/4	Natural	Black	White	Red	Blue
PE 1070	Natural	Black	White	Red	Blue	PE 5/16	Natural	Black	White	Red	Blue
PE 1290	Natural	Black	White	Red	Blue	PE 3/8	Natural	Black	White	Red	Blue
						PE 1/2	Natural	Black	White	Red	Blue

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- 귀사의 사용환경, 사용조건, 사용기간등에는 판정기준이 ○라도 적합하지 않은 경우가 있습니다.
- 사용하실 때에는 반드시 귀사에서 실제의 사용조건하에서 확인을 부탁드립니다.

판정기준 ◎ : 매우양호 ○ : 양호 △ : 확인필요 × : 부적합 - : 자료없음

약품명 (중량농도%, 온도℃)	Fitting						Tube 종류				Seal 재질		
	황동	SUS304	SUS316	POM	PBT	PP	Urethane	Nylon	Polyolefin	불소	NBR	EPDM	FKM
Caustic soda 가성소다(10% 20℃)	△	△	○	◎	△	○	×	○	○	◎	○	◎	○
Caustic soda 가성소다(30% 20℃)	-	-	-	◎	×	○	×	○	○	◎	-	-	-
Caustic soda 가성소다(30% 70℃)	-	-	-	○	×	△	×	×	△	○	-	-	-
Gasoline 가솔린	○	○	○	◎	◎	△	○	◎	△	◎	◎	×	◎
Air 공기	◎	◎	◎	◎	◎	◎	○	○	○	○	◎	◎	◎
Sodium perborate 과붕산나트륨	×	-	○	○	○	○	-	○	○	◎	○	◎	◎
Sodium peroxide 과산화나트륨	×	-	○	-	-	○	-	×	○	◎	○	◎	◎
Hydrogen peroxide 과산화수소(5% 20℃)	×	○	○	○	◎	◎	○	◎	◎	◎	-	-	-
Hydrogen peroxide 과산화수소(5% 20℃)	×	○	○	△	○	◎	△	△	◎	◎	-	-	-
Hydrogen peroxide 과산화수소(30% 20℃)	×	○	○	×	○	○	×	×	○	◎	-	-	-
Perchloric acid 과염소산	×	×	×	×	○	○	×	×	○	○	-	○	◎
Grease 그리스	○	◎	◎	◎	◎	△	○	◎	△	◎	◎	×	◎
Sodium silicate 규산나트륨	△	-	○	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Glycerin 글리세린	○	◎	◎	◎	◎	◎	○	◎	◎	◎	◎	◎	◎
Naphtha 나프타	△	○	○	◎	○	△	△	○	△	◎	△	×	◎
Naphthaline 나프탈렌	△	-	△	◎	○	○	△	◎	△	◎	×	×	◎
Nitropropane 니트로프로판	-	-	-	○	-	○	-	-	○	○	-	-	-
Kerosene 등유	◎	◎	◎	◎	◎	△	◎	◎	△	◎	◎	×	◎
Dichloro benzene 디클로로벤젠	△	-	-	△	△	△	×	△	×	◎	-	-	-
Linoleic acid 리놀레인산	-	-	-	○	-	△	-	△	△	○	○	×	○
Maleic acid 말레인산	-	△	△	-	-	◎	△	◎	◎	◎	-	△	◎
Cottonseed oil 면실유	△	○	○	◎	-	○	◎	◎	○	◎	◎	◎	◎
Methane 메탄	○	-	△	◎	◎	◎	◎	◎	◎	◎	◎	×	◎
Methyl alcohol(Methanol) 메틸알코올(메탄올)	◎	△	○	○	○	○	△	○	○	◎	◎	◎	△
Methyl ethyl ketone(MEK) 메틸에틸케톤	◎	△	○	○	○	○	×	○	○	○	×	◎	×
Methyl isobutyl ketone(MIBK) 메틸이소부틸케톤	△	-	△	○	○	○	×	○	○	◎	×	△	×
Monoethanolamine 모노에탄올아민	-	-	△	○	-	○	-	○	△	○	×	○	×
Monochlorobenzene 모노클로로벤젠	-	-	-	○	-	×	×	×	×	○	×	×	◎
Chloroacetic acid 모노클로로초산	-	-	-	△	△	×	×	×	×	○	-	-	-
Hydrofluoric acid Anhydride 무수불화수소산	×	-	×	×	-	×	×	×	×	○	-	○	-
Acetic Anhydride 무수초산	×	○	○	×	-	△	×	×	△	○	△	○	×
Water 물 (24℃)	○	○	○	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Water 물 (100℃)	×	○	○	△	×	△	△	△	△	◎	-	-	-
Sea Water 바닷물	△	○	○	◎	○	◎	◎	◎	◎	◎	-	-	-
Bunker oil 벙커유	△	-	○	-	-	○	-	○	○	-	◎	-	◎
Benzene(Benzol) 벤젠(벤졸)	×	△	△	○	○	△	×	○	×	◎	×	×	◎
Butane 부탄	◎	◎	◎	◎	◎	◎	-	○	△	◎	◎	×	◎
Fluorine 불소	×	×	△	×	-	×	×	-	×	×	-	△	○
Borax 붕사	×	-	○	-	-	◎	◎	◎	◎	◎	○	◎	◎
Boric acid 붕산	○	○	○	○	○	◎	◎	◎	◎	◎	◎	◎	◎
Amyl borate 붕산아밀	-	-	-	○	-	△	-	-	△	○	◎	×	◎
Bromine 브롬	×	-	×	×	×	△	×	×	×	◎	-	-	◎
Arsenic acid 비산	△	○	○	-	-	○	-	△	○	○	-	-	-
Carbon tetrachloride 사염화탄소	△	△	△	○	○	△	×	△	×	◎	△	×	◎
Oxygen 산소	◎	◎	◎	○	○	○	○	○	○	◎	○	◎	◎
Petroleum 석유	-	-	-	○	○	×	◎	◎	×	◎	◎	×	◎

약품명 (중량농도%, 온도℃)	Fitting						Tube 종류				Seal 재질		
	황동	SUS304	SUS316	POM	PBT	PP	Urethane	Nylon	Polyolefin	불소	NBR	EPDM	FKM
Salt Water 소금물	×	△	△	◎	○	○	-	○	○	○	-	-	-
Soda water 소다수	-	-	-	◎	○	○	○	○	○	○	-	-	-
소다회→탄산나트륨Soda ash→Sodium carbonate	○	△	△	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Pine oil 송진	△	○	◎	-	○	○	-	×	○	○	○	×	◎
Oxalic acid 수산	△	△	△	×	○	◎	△	◎	◎	◎	○	◎	◎
Ethyl oxalate 수산에틸	-	-	-	○	○	×	×	○	×	○	×	◎	◎
Magnesium hydroxide 수산화마그네슘	△	-	△	◎	×	○	△	◎	◎	◎	○	◎	◎
Barium hydroxide 수산화바륨	×	-	◎	◎	△	○	-	○	○	◎	◎	◎	◎
Ammonium hydroxide 수산화암모늄	×	△	○	◎	×	◎	△	○	◎	◎	×	◎	○
Potassium hydroxide 수산화칼륨	△	△	△	◎	×	○	△	△	◎	◎	○	◎	○
Calcium hydroxide 수산화칼슘	△	△	△	◎	×	○	△	◎	◎	◎	◎	◎	◎
Hydrogen 수소	△	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Mercury 수은	×	-	△	-	-	◎	-	○	○	○	◎	◎	◎
Steam 수증기(150℃ 이하)	○	-	○	△	△	×	×	×	×	○	×	◎	×
Steam 수증기(150℃ 이상)	-	-	-	×	×	△	×	×	×	○	×	○	×
Vegetable oil 식물성유	-	-	-	○	○	○	-	○	○	○	◎	◎	◎
Salt water 식염수	△	△	△	◎	○	◎	○	◎	◎	◎	-	-	-
Silicone greases 실리콘그리스	-	-	-	◎	◎	△	-	○	△	○	◎	◎	◎
Silicone oil 실리콘유	-	-	-	◎	◎	△	-	○	△	○	◎	◎	◎
Glue 아교	△	-	△	-	-	◎	-	○	○	◎	-	-	-
Aniline 아닐린	×	△	△	○	○	△	×	×	×	○	×	○	△
Amyl naphtalene 아밀 나프탈렌	-	-	-	◎	◎	△	-	-	△	○	×	×	◎
Amyl alcohol 아밀 알코올	○	△	△	◎	◎	○	○	○	○	○	○	◎	○
Acetone 아세톤	◎	△	○	○	○	△	×	○	△	○	×	◎	×
Acetamide 아세트아미드	-	-	-	○	○	△	-	-	△	○	◎	◎	○
Acetaldehyde 아세트알데히드	◎	○	◎	○	○	○	○	○	△	○	×	◎	×
Acetylene 아세틸렌	×	○	◎	○	◎	◎	◎	◎	◎	◎	○	◎	◎
Sulfurous acid 이황산	×	△	△	×	○	○	×	×	○	◎	○	○	◎
Sulfurous acid gas 이황산가스	-	-	○	△	○	○	×	×	△	◎	○	○	◎
Sodium sulfite 이황산나트륨	○	○	◎	◎	○	○	-	△	○	◎	-	-	-
Ammonia 암모니아(無水)	△	◎	◎	○	△	○	-	○	○	◎	◎	◎	×
Ammonia gas 암모니아가스(冷)	×	○	○	○	△	△	×	△	△	○	◎	◎	×
Ammonia gas 암모니아가스(熱)	×	○	○	○	×	×	×	×	×	○	◎	◎	×
Liquid Ammonia액체 암모니아	○	◎	◎	○	△	○	-	○	○	○	-	-	-
Chlorine Liquide 액체염소	-	-	-	×	○	×	×	×	×	○	-	-	-
Liquefied petroleum gas(LPG) 액화석유가스	◎	◎	◎	◎	◎	△	-	○	△	○	◎	×	◎
Ethanolamine 에타놀아민	-	-	-	◎	△	△	-	△	△	○	○	○	×
Ethylene glycol 에틸렌글리콜	△	△	△	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Ethyl cellulose 에틸셀룰로스	-	-	△	◎	◎	◎	-	-	○	◎	-	○	×
Ethyl alcohol(Ethanol) 에틸알코올(에타놀)	◎	○	◎	◎	◎	○	△	○	○	◎	◎	◎	◎
Lye solution 양잿물	-	-	-	◎	○	○	-	○	○	○	○	◎	○
Hydrochloric acid 염산(10%, 20℃)	×	×	×	×	○	◎	△	○	◎	◎	-	-	-
Hydrochloric acid 염산(20%, 20℃)	×	×	×	×	△	○	×	×	○	◎	-	-	-
Hydrochloric acid 염산(20%, 80℃)	×	×	×	×	×	×	×	×	×	○	×	△	◎
Hydrochloric acid 염산(38%, 20℃)	×	×	×	×	△	○	×	×	○	◎	○	◎	◎
Magnesium chloride 염화마그네슘	△	△	○	◎	○	◎	◎	◎	◎	◎	◎	◎	◎

- 귀사의 사용환경, 사용조건, 사용기간등에는 판정기준이 ○라도 적합하지 않은 경우가 있습니다.
- 사용하실 때에는 반드시 귀사에서 실제의 사용조건하에서 확인을 부탁드립니다.

판정기준 ◎ : 매우양호 ○ : 양호 △ : 확인필요 × : 부적합 - : 자료없음

약품명 (중량농도%, 온도℃)	Fitting						Tube 종류				Seal 재질		
	황동	SUS304	SUS316	POM	PBT	PP	Urethane	Nylon	Polyolefin	불소	NBR	EPDM	FKM
Methyle chloride 염화메틸	○	○	◎	◎	-	×	×	△	×	○	×	△	◎
Barium chloride 염화바륨	×	-	○	-	○	◎	◎	◎	◎	◎	◎	◎	◎
Zinc chloride 염화아연	×	△	○	×	○	◎	◎	○	◎	◎	◎	◎	◎
Acetyl chloride 염화아세트	-	-	△	×	-	×	×	×	×	-	-	-	◎
Aluminium chloride 염화알루미늄	×	×	×	-	○	◎	-	△	○	◎	◎	◎	◎
Ammonium chloride 염화암모늄	×	△	△	◎	○	◎	○	◎	◎	◎	◎	◎	◎
Ethyle chloride 염화에틸	○	◎	◎	◎	-	×	×	◎	×	-	◎	◎	◎
Sulfur chloride 염화유황	×	-	△	-	-	△	-	-	△	◎	△	×	◎
Potassium chloride 염화칼륨	△	△	○	◎	○	◎	○	◎	◎	◎	◎	◎	◎
Calcium chloride 염화칼슘	○	△	△	◎	○	◎	○	◎	◎	◎	◎	◎	◎
Ozone 오존	○	○	○	△	◎	△	△	○	△	◎	○	◎	◎
Oleic acid 올레인산	△	△	△	△	◎	○	△	○	△	◎	△	○	○
Olive oil 올리브유	△	◎	◎	○	◎	○	○	○	○	◎	◎	○	◎
Uric acid 요산	-	-	-	○	○	-	×	○	-	○	-	-	-
Aqua acid 왕수	-	-	-	×	-	△	×	×	×	○	-	△	○
Lactic acid 유산	×	△	△	○	○	◎	-	○	○	◎	◎	◎	◎
Sulfur 유황	×	○	○	◎	-	◎	△	○	◎	◎	×	◎	◎
Lubricating oil(Petroleum base) 윤활유(광물유계)	◎	◎	◎	◎	◎	×	◎	◎	×	◎	◎	×	◎
Lubricating oil(Ester base) 윤활유(에스테르계)	◎	◎	◎	◎	○	×	×	○	×	○	-	-	-
Isooctane 이소옥탄	◎	○	○	◎	◎	×	△	○	×	○	◎	×	◎
Isopropyl alcohol 이소프로필알코올	○	○	○	◎	○	◎	-	△	◎	◎	○	◎	◎
Isopropyl ether 이소프로필에테르	◎	○	○	◎	○	○	-	△	△	○	○	×	×
Carbon disulfide 이황화탄소	○	○	○	○	-	×	×	○	×	○	△	×	◎
Phenyle disulfide 이황화페닐	-	-	-	-	-	-	△	○	-	○	-	-	-
Carbon monoxide 일산화탄소	◎	◎	◎	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Gelatin 젤라틴	◎	◎	◎	◎	○	○	○	○	○	○	◎	◎	◎
Heavy water 중수	-	-	-	◎	○	◎	◎	◎	◎	◎	-	-	-
Soap solutions 지방산용액(비누물)	◎	◎	◎	◎	○	○	○	◎	△	◎	◎	◎	◎
Sodium nitrate 질산나트륨	○	○	◎	○	○	◎	○	◎	◎	◎	○	◎	-
Aluminium nitric 질산알루미늄	-	-	△	○	○	○	△	○	○	◎	◎	◎	-
Ammonium nitric 질산암모늄	×	○	○	○	○	◎	○	◎	◎	◎	◎	◎	-
Potassium nitric 질산칼륨	△	△	△	○	○	◎	◎	○	◎	◎	◎	◎	◎
Calcium nitric 질산칼슘	-	-	-	○	○	◎	-	○	○	◎	◎	◎	◎
Nitrogen 질소	○	◎	◎	◎	○	◎	○	○	○	◎	◎	◎	◎
Natural gas 천연가스	◎	◎	◎	◎	◎	○	-	○	○	○	◎	×	◎
Acetic acid 초산(10%, 20℃)	×	○	◎	△	○	◎	×	△	◎	◎	○	◎	○
Acetic acid 초산(50%, 20℃)	×	○	○	×	○	○	×	×	○	○	-	-	-
Acetic acid 초산(50%, 70℃)	×	○	○	×	△	×	×	×	×	○	-	-	-
Acetic acid 초산(100%, 20℃)	×	△	△	×	△	×	×	×	×	○	-	-	-
Lead acetate 초산납	-	△	-	-	○	○	-	○	○	○	○	◎	-
Nickel acetate 초산니켈	-	-	△	-	○	◎	-	○	○	◎	○	◎	×
Zinc acetate 초산아연	-	-	-	○	○	○	-	○	○	○	○	◎	×
Aluminium acetate 초산알루미늄	-	-	-	○	○	○	-	○	○	○	○	◎	-
Calcium acetate 초산칼슘	△	-	△	○	○	◎	○	○	○	◎	○	◎	×
Cresol 크레졸	○	△	◎	△	○	○	×	×	△	◎	△	×	◎
Chlorosulfonic acid 클로로술폰산	△	×	×	×	○	×	-	×	×	○	×	×	△

약품명 (중량농도%, 온도℃)	Fitting						Tube 종류				Seal 재질		
	황동	SUS304	SUS316	POM	PBT	PP	Urethane	Nylon	Polyolefin	불소	NBR	EPDM	FKM
Chloroacetone 클로로아세톤	-	-	-	-	-	×	-	-	×	-	×	◎	×
Chlorotoluene 클로로톨루엔	-	-	-	○	○	×	-	×	×	○	×	×	◎
Chloroform 클로로포름	○	○	○	△	△	×	×	○	×	◎	×	×	◎
Soybean oil 콩기름	△	○	○	◎	◎	○	-	○	○	◎	◎	△	◎
Tannic acid 타닌산	×	△	△	○	-	◎	△	◎	◎	◎	◎	◎	◎
Tar 타르	△	◎	◎	-	-	○	◎	◎	○	◎	○	×	◎
Carbonic acid 탄산	○	△	△	-	-	○	△	◎	○	◎	◎	◎	◎
Carbon dioxide 탄산가스(이산화탄소)	○	○	○	◎	◎	◎	○	○	○	◎	-	-	-
Sodium carbonate 탄산나트륨	○	△	△	◎	○	◎	◎	◎	◎	◎	-	-	-
Ammonium carbonate 탄산암모늄	-	△	△	◎	○	○	-	○	○	◎	×	◎	-
Toluene 톨루엔	◎	◎	◎	○	△	△	△	○	△	○	×	×	◎
Triacetin 트리아세틴	-	-	-	-	-	○	-	-	○	-	○	◎	×
Phenol 페놀	○	○	○	×	○	○	×	×	○	◎	-	○	◎
Glucose 포도당	◎	◎	◎	◎	◎	◎	○	◎	◎	◎	◎	◎	◎
Freon11 프레온11	◎	◎	◎	◎	◎	-	-	○	-	○	◎	×	◎
Freon12 프레온12	◎	◎	◎	◎	◎	-	-	○	-	○	◎	○	○
Freon21 프레온21	◎	◎	◎	◎	◎	-	-	○	-	○	×	×	×
Freon22 프레온22	◎	◎	◎	◎	◎	-	-	○	-	○	×	◎	×
Freon113 프레온 113	◎	◎	◎	◎	◎	-	-	○	-	○	◎	×	○
Freon114 프레온 114	◎	◎	◎	◎	◎	-	-	○	-	○	◎	◎	○
Propane 프로판	◎	◎	◎	◎	◎	◎	○	◎	◎	◎	◎	×	◎
Propylene 프로필렌	◎	◎	◎	◎	◎	-	-	○	-	○	×	×	◎
Castor oil 피마자유	○	○	○	○	○	◎	△	◎	◎	◎	◎	○	◎
Hexane 헥산	○	○	○	◎	◎	△	○	◎	×	◎	◎	×	◎
Sulfuric acid 황산(10%, 20℃)	×	×	×	×	○	○	×	○	○	◎	×	○	◎
Sulfuric acid 황산(10%, 70℃)	×	×	×	×	×	△	×	×	△	◎	-	-	-
Sulfuric acid 황산(30%, 20℃)	×	×	×	×	△	○	×	×	○	◎	-	-	-
Sulfuric acid 황산(30%, 70℃)	×	×	×	×	×	△	×	×	△	○	-	-	-
Sulfuric acid 황산(98%, 20℃)	×	×	×	×	×	×	×	×	×	○	-	-	-
Sulfuric acid 황산(發煙, 70℃)	×	×	×	×	×	×	×	×	×	○	-	-	-
Sodium sulfate 황산나트륨(양초)	○	△	○	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Nickel sulfate 황산니켈	-	△	○	-	○	○	-	○	○	◎	◎	◎	◎
Copper sulfate 황산동	○	△	○	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Magnesium sulfate 황산마그네슘	○	○	◎	-	○	◎	◎	◎	◎	◎	◎	◎	◎
Metyl sulfate 황산메틸	-	-	-	-	○	×	×	△	×	◎	-	-	-
Barium sulfate 황산바륨	△	○	○	-	○	○	-	○	○	◎	◎	◎	◎
Aluminium sulfate 황산알루미늄	×	○	○	◎	○	◎	-	◎	◎	◎	◎	◎	◎
Ammonium sulfate 황산암모늄	△	△	△	◎	○	◎	◎	◎	◎	◎	◎	◎	-
Lead sulfate 황산연	△	-	△	-	○	○	○	○	○	◎	-	-	-
Sodium sulfide 황화나트륨	×	△	△	○	○	○	○	○	○	◎	○	◎	◎
Barium sulfide 황화바륨	-	-	○	○	○	○	-	○	○	◎	◎	◎	◎
Zinc sulfide 황화아연	△	○	○	○	○	◎	△	×	◎	◎	-	-	-
Calcium sulfide 황화칼슘	-	-	△	○	○	○	-	○	○	◎	○	◎	◎