ISO 9001/14001
CERTIFICATE

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Sang-A

Durability
Precision
Reliability
Simplicity
Cost - effectiveness

200506

Sang-A

Metric System Brand

Sang-A is a registered trade name for Sang-A Pneumatic Co., Ltd. in Europe and Asia. The Sang-A brand logo represents products that are specified in the Metric system.

Sang-A

SPC

Inch System Brand

SPC is a registered trade name for Sang-A Pneumatic Co., Ltd. in north America. The SPC brand logo represents products that are specified in the inch system. Both Sang-A and SPC logos are the registered trade marks of Sang-A Pneumatic Co., Ltd.

http://www.sanga2000.com
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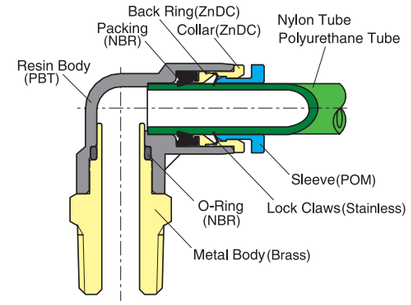
Sang-A

ONE-TOUCH FITTINGS

FEATURES

- Functional One-Touch design facilitates an instant tubing connection.
- Elliptical sleeve configuration is ideal for Pneumatic installations in a confined space.
- Simple manual pressure on the elliptical sleeve results in an instant tubing disconnection.
- Nickel-plated metallic body provides resistance against corrosion and contamination over time.(optional)
- Teflon-coated thread requires no additional sealing.
- Various models are available in both inch and metric sizes.

STRUCTURAL DIAGRAM



SPECIFICATIONS

Compatible Fluid type	Air(No other gases or liquids)	
Operating Pressure Range	0~150PSI	0~9Kgf/㎠(0~900kPa)
Negative pressure	-29.5 in Hg	-750mmHg(10Torr)
Operating Temperature Range	32~140°F	0 ~ 60°C
Recommended Tube Material	Polyurethane and Nylon	

PRODUCTS CODE SYSTEM

PC ① O8 ② - O2 ③ ④

①Model Type

②Tube Outer Dia(ØD)

	Metric Size						Inch Size					
Code	04	06	08	10	12	16	5/32	3/16	1/4	5/16	3/8	1/2
Dia	Ø4	Ø6	Ø8	Ø10	Ø12	Ø16	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2

③Thread Size(T)

▪Metric Thread & R(PT) Thread

	Metric Size		Taper Pipe Thread			
Code	M5	M6	01	02	03	04
Size	M5 ×0.8	M6 ×1.0	R1/8	R1/4	R3/8	R1/2

▪Inch Thread (UNF & NPT)

	Unified Fine Thread	American Standard Taper Pipe Thread			
Code	U10U	N01U	N02U	N03U	N04U
Size	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2

④U : Hexagon flat-to-flat inch specification.(NPT)

PC Male Straight

MODEL [ØD-T]								
Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)		
PC 04-M5	PC 08-01	PC 12-04	PC 5/32-01	PC 5/16-02	PC 5/32-U10U	PC 1/4-N03U	PC 1/2-N02U
PC 04-M6	PC 08-02	PC 16-03	PC 5/32-02	PC 5/16-03	PC 5/32-N01U	PC 1/4-N04U	PC 1/2-N03U
PC 04-01	PC 08-03	PC 16-04	PC 5/32-03	PC 5/16-04	PC 5/32-N02U	PC 5/16-N01U	PC 1/2-N04U
PC 04-02	PC 08-04		PC 3/16-01	PC 3/8-01	PC 5/32-N03U	PC 5/16-N02U	
PC 04-03	PC 10-01		PC 3/16-02	PC 3/8-02	PC 3/16-U10U	PC 5/16-N03U	
PC 06-M5	PC 10-02		PC 3/16-03	PC 3/8-03	PC 3/16-N01U	PC 5/16-N04U	
PC 06-M6	PC 10-03		PC 1/4-01	PC 3/8-04	PC 3/16-N02U	PC 3/8-N01U	
PC 06-01	PC 10-04		PC 1/4-02	PC 1/2-01	PC 3/16-N03U	PC 3/8-N02U	
PC 06-02	PC 12-01		PC 1/4-03	PC 1/2-02	PC 1/4-U10U	PC 3/8-N03U	
PC 06-03	PC 12-02		PC 1/4-04	PC 1/2-03	PC 1/4-N01U	PC 3/8-N04U	
PC 06-04	PC 12-03		PC 5/16-01	PC 1/2-04	PC 1/4-N02U	PC 1/2-N01U	

*Hexagonal wrench may be used for a proper tightening.

PL Male Elbow

MODEL [ØD-T]								
Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)		
PL 04-M5	PL 08-01	PL 12-04	PL 5/32-01	PL 5/16-02	PL 5/32-U10U	PL 1/4-N03U	PL 1/2-N02U
PL 04-M6	PL 08-02	PL 16-03	PL 5/32-02	PL 5/16-03	PL 5/32-N01U	PL 1/4-N04U	PL 1/2-N03U
PL 04-01	PL 08-03	PL 16-04	PL 5/32-03	PL 3/8-01	PL 5/32-N02U	PL 5/16-N01U	PL 1/2-N04U
PL 04-02	PL 08-04		PL 3/16-01	PL 3/8-02	PL 5/32-N03U	PL 5/16-N02U	
PL 04-03	PL 10-01		PL 3/16-02	PL 3/8-03	PL 3/16-U10U	PL 5/16-N03U	
PL 06-M5	PL 10-02		PL 3/16-03	PL 3/8-04	PL 3/16-N01U	PL 5/16-N04U	
PL 06-M6	PL 10-03		PL 1/4-01	PL 1/2-01	PL 3/16-N02U	PL 3/8-N01U	
PL 06-01	PL 10-04		PL 1/4-02	PL 1/2-02	PL 3/16-N03U	PL 3/8-N02U	
PL 06-02	PL 12-01		PL 1/4-03	PL 1/2-03	PL 1/4-U10U	PL 3/8-N03U	
PL 06-03	PL 12-02		PL 1/4-04	PL 1/2-04	PL 1/4-N01U	PL 3/8-N04U	
PL 06-04	PL 12-03		PL 5/16-01		PL 1/4-N02U	PL 1/2-N01U	

*Rotating body construction after a proper installation.

PL45 NEW! Male 45° Elbow

MODEL [ØD-T]								
Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)		
PL45 04-M5	PL45 08-01	PL45 12-04	PL45 5/32-01	PL45 5/16-02	PL45 5/32-U10U	PL45 1/4-N03U	PL45 1/2-N02U
PL45 04-M6	PL45 08-02		PL45 5/32-02	PL45 5/16-03	PL45 5/32-N01U	PL45 1/4-N04U	PL45 1/2-N03U
PL45 04-01	PL45 08-03		PL45 5/32-03	PL45 5/16-04	PL45 5/32-N02U	PL45 5/16-N01U	PL45 1/2-N04U
PL45 04-02	PL45 08-04		PL45 3/16-01	PL45 3/8-01	PL45 5/32-N03U	PL45 5/16-N02U	
PL45 04-03	PL45 10-01		PL45 3/16-02	PL45 3/8-02	PL45 3/16-U10U	PL45 5/16-N03U	
PL45 06-M5	PL45 10-02		PL45 3/16-03	PL45 3/8-03	PL45 3/16-N01U	PL45 5/16-N04U	
PL45 06-M6	PL45 10-03		PL45 1/4-01	PL45 3/8-04	PL45 3/16-N02U	PL45 3/8-N01U	
PL45 06-01	PL45 10-04		PL45 1/4-02	PL45 1/2-01	PL45 3/16-N03U	PL45 3/8-N02U	
PL45 06-02	PL45 12-01		PL45 1/4-03	PL45 1/2-02	PL45 1/4-U10U	PL45 3/8-N03U	
PL45 06-03	PL45 12-02		PL45 1/4-04	PL45 1/2-03	PL45 1/4-N01U	PL45 3/8-N04U	
PL45 06-04	PL45 12-03		PL45 5/16-01	PL45 1/2-04	PL45 1/4-N02U	PL45 1/2-N01U	

*Rotating body construction after a proper installation.

PT
Male Branch Tee

MODEL [ØD-T]							
Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)		
PT 04-M5	PT 08-01	PT 12-04	PT 5/32-01	PT 5/16-02	PT 5/32-U10U	PT 1/4-N03U	PT 1/2-N02U
PT 04-M6	PT 08-02	PT 16-03	PT 5/32-02	PT 5/16-03	PT 5/32-N01U	PT 1/4-N04U	PT 1/2-N03U
PT 04-01	PT 08-03	PT 16-04	PT 5/32-03	PT 3/8-01	PT 5/32-N02U	PT 5/16-N01U	PT 1/2-N04U
PT 04-02	PT 08-04		PT 1/4-01	PT 3/8-02	PT 5/32-N03U	PT 5/16-N02U	
PT 04-03	PT 10-01		PT 1/4-02	PT 3/8-03	PT 3/16-U10U	PT 5/16-N03U	
PT 06-M5	PT 10-02		PT 1/4-03	PT 3/8-04	PT 3/16-N01U	PT 5/16-N04U	
PT 06-M6	PT 10-03		PT 1/4-04	PT 1/2-01	PT 3/16-N02U	PT 3/8-N01U	
PT 06-01	PT 10-04		PT 5/16-01	PT 1/2-02	PT 3/16-N03U	PT 3/8-N02U	
PT 06-02	PT 12-01		PT 5/16-02	PT 1/2-03	PT 1/4-U10U	PT 3/8-N03U	
PT 06-03	PT 12-02		PT 5/16-03	PT 1/2-04	PT 1/4-N01U	PT 3/8-N04U	
PT 06-04	PT 12-03		PT 5/16-04		PT 1/4-N02U	PT 1/2-N01U	

*Rotating body construction after a proper installation.

PST
Male Run Tee

MODEL [ØD-T]						
Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)	
PST 04-M5	PST 08-01	PST 12-04	PST 5/32-01	PST 3/8-02	PST 5/32-U10U	PST 5/16-N01U
PST 04-M6	PST 08-02		PST 5/32-02	PST 3/8-03	PST 5/32-N01U	PST 5/16-N02U
PST 04-01	PST 08-03		PST 5/32-03	PST 3/8-04	PST 5/32-N02U	PST 5/16-N03U
PST 04-02	PST 08-04		PST 1/4-01	PST 1/2-02	PST 3/16-U10U	PST 5/16-N04U
PST 04-03	PST 10-01		PST 1/4-02	PST 1/2-03	PST 3/16-N01U	PST 3/8-N01U
PST 06-M5	PST 10-02		PST 1/4-03	PST 1/2-04	PST 3/16-N02U	PST 3/8-N02U
PST 06-M6	PST 10-03		PST 5/16-01		PST 3/16-N03U	PST 3/8-N03U
PST 06-01	PST 10-04		PST 5/16-02		PST 1/4-U10U	PST 3/8-N04U
PST 06-02	PST 12-01		PST 5/16-03		PST 1/4-N01U	PST 1/2-N02U
PST 06-03	PST 12-02		PST 5/16-04		PST 1/4-N02U	PST 1/2-N03U
PST 06-04	PST 12-03		PST 3/8-01		PST 1/4-N03U	PST 1/2-N04U

*Rotating body construction after a proper installation.

POC
Round Male Straight

MODEL [ØD-T]					
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)	
POC 04-M5	POC 08-02	POC 1/4-01		POC 5/32-U10U	POC 5/16-N02U
POC 04-M6	POC 08-03	POC 1/4-02		POC 5/32-N01U	POC 5/16-N03U
POC 04-01	POC 08-04	POC 5/16-01		POC 5/32-N02U	POC 3/8-N01U
POC 04-02	POC 10-01	POC 5/16-02		POC 5/32-N03U	POC 3/8-N02U
POC 04-03	POC 10-02	POC 5/16-03		POC 3/16-U10U	POC 3/8-N03U
POC 06-M5	POC 10-03	POC 3/8-02		POC 3/16-N01U	POC 3/8-N04U
POC 06-M6	POC 10-04	POC 3/8-03		POC 3/16-N02U	POC 1/2-N02U
POC 06-01	POC 12-01	POC 3/8-04		POC 1/4-U10U	POC 1/2-N03U
POC 06-02	POC 12-02			POC 1/4-N01U	POC 1/2-N04U
POC 06-03	POC 12-03			POC 1/4-N02U	
POC 08-01	POC 12-04			POC 5/16-N01U	

*Hexagonal wrench may be used for a proper tightening.

PCF
Female Straight

MODEL [ØD-T]					
Tube(Metric)-Thread(Rc)		Tube(Inch)-Thread(Rc)		Tube(Inch)-Thread(NPT)	
PCF 04-01	PCF 10-02	PCF 5/32-01	PCF 5/16-04	PCF 5/32-N01U	PCF 3/8-N01U
PCF 04-02	PCF 10-03	PCF 5/32-02	PCF 3/8-01	PCF 5/32-N02U	PCF 3/8-N02U
PCF 04-03	PCF 10-04	PCF 5/32-03	PCF 3/8-02	PCF 3/16-N01U	PCF 3/8-N03U
PCF 06-01	PCF 12-02	PCF 3/16-01	PCF 3/8-03	PCF 3/16-N02U	PCF 1/2-N02U
PCF 06-02	PCF 12-03	PCF 3/16-02	PCF 3/8-04	PCF 1/4-N01U	PCF 1/2-N03U
PCF 06-03	PCF 12-04	PCF 1/4-01	PCF 1/2-02	PCF 1/4-N02U	PCF 1/2-N04U
PCF 08-01		PCF 1/4-02	PCF 1/2-03	PCF 1/4-N03U	
PCF 08-02		PCF 1/4-03	PCF 1/2-04	PCF 5/16-N01U	
PCF 08-03		PCF 5/16-01		PCF 5/16-N02U	
PCF 08-04		PCF 5/16-02		PCF 5/16-N03U	
PCF 10-01		PCF 5/16-03		PCF 5/16-N04U	

PH
Male Banjo

MODEL [ØD-T]					
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)	
PH 04-M5	PH 08-03	PH 5/32-M5	PH 1/2-03	PH 5/32-U10U	PH 5/16-N03U
PH 04-M6	PH 08-04	PH 5/32-01	PH 1/2-04	PH 5/32-N01U	PH 3/8-N02U
PH 04-01	PH 10-02	PH 1/4-M5		PH 3/16-U10U	PH 3/8-N03U
PH 04-02	PH 10-03	PH 1/4-01		PH 3/16-N01U	PH 3/8-N04U
PH 06-M5	PH 10-04	PH 1/4-02		PH 3/16-N02U	PH 1/2-N03U
PH 06-M6	PH 12-02	PH 5/16-01		PH 3/16-N03U	PH 1/2-N04U
PH 06-01	PH 12-03	PH 5/16-02		PH 1/4-U10U	
PH 06-02	PH 12-04	PH 5/16-03		PH 1/4-N01U	
PH 06-03		PH 3/8-02		PH 1/4-N02U	
PH 08-01		PH 3/8-03		PH 5/16-N01U	
PH 08-02		PH 3/8-04		PH 5/16-N02U	

*Rotating body construction after a proper installation.

PHF
Female Banjo

MODEL [ØD-T]					
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)	
PHF 04-M5	PHF 08-03	PHF 5/32-M5	PHF 1/2-04	PHF 5/32-U10U	PHF 3/8-N02U
PHF 04-M6	PHF 08-04	PHF 5/32-01		PHF 5/32-N01U	PHF 3/8-N03U
PHF 04-01	PHF 10-02	PHF 1/4-M5		PHF 3/16-U10U	PHF 1/2-N03U
PHF 04-02	PHF 10-03	PHF 1/4-01		PHF 3/16-N01U	PHF 1/2-N04U
PHF 06-M5	PHF 10-04	PHF 1/4-02		PHF 3/16-N02U	
PHF 06-M6	PHF 12-02	PHF 5/16-01		PHF 1/4-U10U	
PHF 06-01	PHF 12-03	PHF 5/16-02		PHF 1/4-N01U	
PHF 06-02	PHF 12-04	PHF 5/16-03		PHF 1/4-N02U	
PHF 06-03		PHF 3/8-02		PHF 5/16-N01U	
PHF 08-01		PHF 3/8-03		PHF 5/16-N02U	
PHF 08-02		PHF 1/2-03		PHF 5/16-N03U	

*Rotating body construction after a proper installation.

PWT
Male Y

MODEL [ØD-T]					
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)	
PWT 04-M5	PWT 08-02	PWT 5/32-01	PWT 5/16-04	PWT 5/32-U10U	PWT 5/16-N01U
PWT 04-M6	PWT 08-03	PWT 5/32-02	PWT 3/8-01	PWT 5/32-N01U	PWT 5/16-N02U
PWT 04-01	PWT 08-04	PWT 3/16-01	PWT 3/8-02	PWT 5/32-N02U	PWT 5/16-N03U
PWT 04-02	PWT 10-01	PWT 3/16-02	PWT 3/8-03	PWT 3/16-U10U	PWT 5/16-N04U
PWT 04-03	PWT 10-02	PWT 3/16-03	PWT 3/8-04	PWT 3/16-N01U	PWT 3/8-N01U
PWT 06-M5	PWT 10-03	PWT 1/4-01	PWT 1/2-02	PWT 3/16-N02U	PWT 3/8-N02U
PWT 06-M6	PWT 10-04	PWT 1/4-02	PWT 1/2-03	PWT 3/16-N03U	PWT 3/8-N03U
PWT 06-01	PWT 12-01	PWT 1/4-03	PWT 1/2-04	PWT 1/4-U10U	PWT 3/8-N04U
PWT 06-02	PWT 12-02	PWT 5/16-01		PWT 1/4-N01U	PWT 1/2-N02U
PWT 06-03	PWT 12-03	PWT 5/16-02		PWT 1/4-N02U	PWT 1/2-N03U
PWT 08-01	PWT 12-04	PWT 5/16-03		PWT 1/4-N03U	PWT 1/2-N04U

*Rotating body construction after a proper installation.

PHT(D2)
Double Universal Elbow

MODEL [ØD-T]	
Tube(Metric)-Thread(R)	
PHT 04-01(2)	PHT 10-03(2)
PHT 04-02(2)	PHT 10-04(2)
PHT 04-03(2)	PHT 12-02(2)
PHT 06-01(2)	PHT 12-03(2)
PHT 06-02(2)	PHT 12-04(2)
PHT 06-03(2)	
PHT 08-01(2)	
PHT 08-02(2)	
PHT 08-03(2)	
PHT 08-04(2)	
PHT 10-02(2)	

*Rotating body construction after a proper installation.

PHT(D3)
Triple Universal Elbow

MODEL [ØD-T]	
Tube(Metric)-Thread(R)	
PHT 04-01(3)	PHT 10-03(3)
PHT 04-02(3)	PHT 10-04(3)
PHT 04-03(3)	PHT 12-02(3)
PHT 06-01(3)	PHT 12-03(3)
PHT 06-02(3)	PHT 12-04(3)
PHT 06-03(3)	
PHT 08-01(3)	
PHT 08-02(3)	
PHT 08-03(3)	
PHT 08-04(3)	
PHT 10-02(3)	

*Rotating body construction after a proper installation.

PAT(D2)
Double Branch A

MODEL [ØD-T]	
Tube(Metric)-Thread(R)	
PAT 04-01(2)	PAT 10-03(2)
PAT 04-02(2)	PAT 10-04(2)
PAT 04-03(2)	PAT 12-02(2)
PAT 06-01(2)	PAT 12-03(2)
PAT 06-02(2)	PAT 12-04(2)
PAT 06-03(2)	
PAT 08-01(2)	
PAT 08-02(2)	
PAT 08-03(2)	
PAT 08-04(2)	
PAT 10-02(2)	

*Rotating body construction after a proper installation.

PAT(D3)
Triple Branch A

MODEL [ØD-T]	
Tube(Metric)-Thread(R)	
PAT 04-01(3)	PAT 10-03(3)
PAT 04-02(3)	PAT 10-04(3)
PAT 04-03(3)	PAT 12-02(3)
PAT 06-01(3)	PAT 12-03(3)
PAT 06-02(3)	PAT 12-04(3)
PAT 06-03(3)	
PAT 08-01(3)	
PAT 08-02(3)	
PAT 08-03(3)	
PAT 08-04(3)	
PAT 10-02(3)	

PMF
Bulkhead Female Straight

MODEL [ØD-T]			
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(NPT)	
PMF 04-01	PMF 10-01	PMF 5/32-N01U	PMF 3/8-N02U
PMF 04-02	PMF 10-02	PMF 3/16-N01U	PMF 3/8-N03U
PMF 04-03	PMF 10-03	PMF 3/16-N02U	PMF 1/2-N02U
PMF 06-01	PMF 10-04	PMF 1/4-N01U	PMF 1/2-N03U
PMF 06-02	PMF 12-01	PMF 1/4-N02U	PMF 1/2-N04U
PMF 06-03	PMF 12-02	PMF 5/16-N01U	
PMF 08-01	PMF 12-03	PMF 5/16-N02U	
PMF 08-02	PMF 12-04	PMF 5/16-N03U	
PMF 08-03			
PMF 08-04			

PCJ
Plug-In Male

MODEL [ØD-T]			
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(NPT)	
PCJ 04-M5	PCJ 10-03	PCJ 5/32-U10U	PCJ 5/16-N03U
PCJ 04-01	PCJ 10-04	PCJ 5/32-N01U	PCJ 3/8-N02U
PCJ 04-02	PCJ 12-02	PCJ 5/32-N02U	PCJ 3/8-N03U
PCJ 06-M5	PCJ 12-03	PCJ 3/16-U10U	PCJ 3/8-N04U
PCJ 06-01	PCJ 12-04	PCJ 3/16-N01U	PCJ 1/2-N02U
PCJ 06-02	PCJ 16-03	PCJ 3/16-N02U	PCJ 1/2-N03U
PCJ 06-03	PCJ 16-04	PCJ 1/4-U10U	PCJ 1/2-N04U
PCJ 08-01		PCJ 1/4-N01U	
PCJ 08-02		PCJ 1/4-N02U	
PCJ 08-03		PCJ 1/4-N03U	
PCJ 10-02		PCJ 5/16-N02U	

PLF
Female Elbow

MODEL [ØD-T]			
Tube(Metric)-Thread(Rc)		Tube(Inch)-Thread(NPT)	
PLF 04-M5	PLF 08-03	PLF 5/32-U10U	PLF 3/8-N02U
PLF 04-M6	PLF 10-02	PLF 5/32-N01U	PLF 3/8-N03U
PLF 04-01	PLF 10-03	PLF 5/32-N02U	PLF 3/8-N04U
PLF 04-02	PLF 10-04	PLF 3/16-U10U	PLF 5/16-N01U
PLF 06-M5		PLF 3/16-N01U	PLF 5/16-N02U
PLF 06-M6		PLF 3/16-N02U	PLF 5/16-N03U
PLF 06-01		PLF 3/16-N03U	
PLF 06-02		PLF 1/4-U10U	
PLF 06-03		PLF 1/4-N01U	
PLF 08-01		PLF 1/4-N02U	
PLF 08-02		PLF 1/4-N03U	

*Rotating body construction after a proper installation.

PTF
Female Branch Tee

MODEL [ØD-T]			
Tube(Metric)-Thread(Rc)		Tube(Inch)-Thread(NPT)	
PTF 04-M5	PTF 08-03	PTF 5/32-U10U	PTF 3/8-N02U
PTF 04-M6	PTF 10-02	PTF 5/32-N01U	PTF 3/8-N03U
PTF 04-01	PTF 10-03	PTF 5/32-N02U	PTF 3/8-N04U
PTF 04-02	PTF 10-04	PTF 3/16-U10U	PTF 5/16-N01U
PTF 06-M5		PTF 3/16-N01U	PTF 5/16-N02U
PTF 06-M6		PTF 3/16-N02U	PTF 5/16-N03U
PTF 06-01		PTF 3/16-N03U	
PTF 06-02		PTF 1/4-U10U	
PTF 06-03		PTF 1/4-N01U	
PTF 08-01		PTF 1/4-N02U	
PTF 08-02		PTF 1/4-N03U	

POL
Hex. Holed Banjo

MODEL [ØD-T]			
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(NPT)	
POL 04-M5	POL 08-04	POL 5/32-U10U	POL 5/16-N02U
POL 04-M6	POL 10-02	POL 5/32-N01U	POL 5/16-N03U
POL 04-01	POL 10-03	POL 3/16-U10U	POL 5/16-N04U
POL 06-M5	POL 10-04	POL 3/16-N01U	POL 3/8-N02U
POL 06-M6	POL 12-02	POL 3/16-N02U	POL 3/8-N03U
POL 06-01	POL 12-03	POL 3/16-N03U	POL 3/8-N04U
POL 06-02	POL 12-04	POL 1/4-U10U	POL 1/2-N03U
POL 06-03		POL 1/4-N01U	POL 1/2-N04U
POL 08-01		POL 1/4-N02U	
POL 08-02		POL 1/4-N03U	
POL 08-03		POL 5/16-N01U	

*Rotating body construction after a proper installation.

PLL
Extended Male Elbow

MODEL [ØD-T]					
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)	
PLL 04-M5	PLL 08-02	PLL 5/32-01	PLL 5/16-03	PLL 5/32-U10U	PLL 5/16-N01U
PLL 04-M6	PLL 08-03	PLL 5/32-02	PLL 5/16-04	PLL 5/32-N01U	PLL 5/16-N02U
PLL 04-01	PLL 08-04	PLL 5/32-03	PLL 3/8-01	PLL 5/32-N02U	PLL 5/16-N03U
PLL 04-02	PLL 10-01	PLL 3/16-01	PLL 3/8-02	PLL 5/32-N03U	PLL 3/8-N01U
PLL 04-03	PLL 10-02	PLL 3/16-02	PLL 3/8-03	PLL 3/16-N01U	PLL 3/8-N02U
PLL 06-M5	PLL 10-03	PLL 3/16-03	PLL 3/8-04	PLL 3/16-N02U	PLL 3/8-N03U
PLL 06-M6	PLL 10-04	PLL 1/4-01	PLL 1/2-01	PLL 3/16-N03U	PLL 3/8-N04U
PLL 06-01	PLL 12-01	PLL 1/4-02	PLL 1/2-02	PLL 1/4-U10U	PLL 1/2-N02U
PLL 06-02	PLL 12-02	PLL 1/4-03	PLL 1/2-03	PLL 1/4-N01U	PLL 1/2-N03U
PLL 06-03	PLL 12-03	PLL 5/16-01	PLL 1/2-04	PLL 1/4-N02U	PLL 1/2-N04U
PLL 08-01	PLL 12-04	PLL 5/16-02		PLL 1/4-N03U	

*Hexagonal wrench may be used for a proper tightening.

PLLP
NEW!
Union Straight

MODEL [ØD-T]					
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)	
PLLP 04-M5	PLLP 08-02	PLLP 5/32-01	PLLP 3/8-02	PLLP 5/32-U10U	PLLP 5/16-N04U
PLLP 04-M6	PLLP 08-03	PLLP 5/32-02	PLLP 3/8-03	PLLP 5/32-N01U	PLLP 3/8-N01U
PLLP 04-01	PLLP 08-04	PLLP 5/32-03	PLLP 3/8-04	PLLP 5/32-N02U	PLLP 3/8-N02U
PLLP 04-02	PLLP 10-01	PLLP 1/4-01	PLLP 1/2-01	PLLP 5/32-N03U	PLLP 3/8-N03U
PLLP 04-03	PLLP 10-02	PLLP 1/4-02	PLLP 1/2-02	PLLP 1/4-U10U	PLLP 1/2-N02
PLLP 06-M5	PLLP 10-03	PLLP 1/4-03	PLLP 1/2-03	PLLP 1/4-N01U	PLLP 1/2-N03
PLLP 06-M6	PLLP 10-04	PLLP 1/4-04	PLLP 1/2-04	PLLP 1/4-N02U	PLLP 1/2-N04
PLLP 06-01	PLLP 12-01	PLLP 5/16-01		PLLP 1/4-N03U	
PLLP 06-02	PLLP 12-02	PLLP 5/16-02		PLLP 1/4-N04U	
PLLP 06-03	PLLP 12-03	PLLP 5/16-03		PLLP 5/16-N01	
PLLP 06-04	PLLP 12-04	PLLP 5/16-04		PLLP 5/16-N02	
PLLP 08-01		PLLP 3/8-01		PLLP 5/16-N03	

*Hexagonal wrench may be used for a proper tightening.

PUC
Union Straight

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PUC 04	PUC 5/32
PUC 06	PUC 3/16
PUC 08	PUC 1/4
PUC 10	PUC 5/16
PUC 12	PUC 3/8
PUC 16	PUC 1/2
	PUC 1/2-1/4

PUL
Union Elbow

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PUL 04	PUL 5/32
PUL 06	PUL 3/16
PUL 08	PUL 1/4
PUL 10	PUL 5/16
PUL 12	PUL 3/8
PUL 16	PUL 1/2

PUT
Union Tee

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PUT 04	PUT 5/32
PUT 06	PUT 3/16
PUT 08	PUT 1/4
PUT 10	PUT 5/16
PUT 12	PUT 3/8
PUT 16	PUT 1/2
	PUT 1/2-1/4

PY
Union Y

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PY 04	PY 5/32
PY 06	PY 3/16
PY 08	PY 1/4
PY 10	PY 5/16
PY 12	PY 3/8
PY 16	PY 1/2

PG
Reducer

MODEL [ØD1- ØD2]	
Tube(Metric)	Tube(Inch)
PG 06-04	PG 3/16-5/32
PG 08-04	PG 1/4-5/32
PG 08-06	PG 1/4-3/16
PG 10-06	PG 5/16-1/4
PG 10-08	PG 3/8-5/16
PG 12-08	PG 1/2-3/8
PG 12-10	
PG 16-12	

PUG
NEW!
Different Diam Union Tee

MODEL [ØD1- ØD2]	
Tube(Metric)	Tube(Inch)
PUG 06-04	PUG 1/4-5/32
PUG 08-04	PUG 5/16-1/4
PUG 08-06	PUG 3/8-5/16
PUG 10-06	PUG 1/2-3/8
PUG 10-08	
PUG 12-10	

PW
Reducer Y

MODEL [ØD1- ØD2]	
Tube(Metric)	Tube(Inch)
PW 06-04	PW 3/16-5/32
PW 08-04	PW 1/4-3/16
PW 08-06	PW 1/4-5/32
PW 10-08	PW 5/16-1/4
PW 12-08	PW 3/8-5/16
PW 12-10	PW 1/2-3/8

PZA
Union Cross

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PZA 04	PZA 5/32
PZA 06	PZA 3/16
PZA 08	PZA 1/4
PZA 10	PZA 5/16
PZA 12	PZA 3/8
	PZA 1/2
PZA22 08-06	PZA22 5/16-1/4
PZA22 10-08	PZA22 3/8-5/16
PZA22 12-10	PZA22 1/2-3/8
PZA31 08-06	PZA31 5/16-1/4
PZA31 10-08	PZA31 3/8-5/16
PZA31 12-10	PZA31 1/2-3/8

PMM
Bulkhead Union

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PMM 04	PMM 5/32
PMM 06	PMM 3/16
PMM 08	PMM 1/4
PMM 10	PMM 5/16
PMM 12	PMM 3/8
	PMM 1/2

PPM
Bulkhead Union P

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PPM 04	PPM 3/16
PPM 06	PPM 1/4
PPM 08	PPM 3/8
PPM 10	PPM 1/2
PPM 12	

PLM
NEW!
Bulkhead Union P

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PLM 04	PLM 3/16
PLM 06	PLM 1/4
PLM 08	PLM 3/8
PLM 10	PLM 1/2
PLM 12	

PCP
Straight Ace Coupler Plug

MODEL [ØD]
Tube(Metric)
PCP 04
PCP 06
PCP 08
PCP 10
PCP 12
PCP 16

PA
Dual Male Banjo

MODEL [ØD-T]	
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
PA 04-M5	PA 5/32-U10U
PA 06-01	PA 3/16-N01U
PA 08-02	PA 1/4-N01U
PA 10-03	PA 5/16-N02U
PA 12-04	PA 3/8-N03U
	PA 1/2-N04U

*Rotating body construction after a proper installation.

PAF
Dual Female Banjo

MODEL [ØD-T]	
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
PAF 04-M5	PAF 5/32-U10U
PAF 06-01	PAF 3/16-N01U
PAF 08-02	PAF 1/4-N01U
PAF 10-03	PAF 5/16-N02U
PAF 12-04	PAF 3/8-N03U
	PAF 1/2-N04U

*Rotating body construction after a proper installation.

PGJ
Plug-In Reducer

MODEL [ØD1- ØD2]	
Tube(Metric)	Tube(Inch)
PGJ 06-04	PGJ 1/4-5/32
PGJ 08-04	PGJ 5/16-5/32
PGJ 08-06	PGJ 5/16-1/4
PGJ 10-06	PGJ 3/8-1/4
PGJ 10-08	PGJ 3/8-5/16
PGJ 12-06	PGJ 1/2-1/4
PGJ 12-08	PGJ 1/2-5/16
PGJ 12-10	PGJ 1/2-3/8

PLJ
Plug-In Elbow

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PLJ 04	PLJ 5/32
PLJ 06	PLJ 3/16
PLJ 08	PLJ 1/4
PLJ 10	PLJ 5/16
PLJ 12	PLJ 3/8
PLJ 16	PLJ 1/2

PLJ45 NEW!
Plug-In Elbow

MODEL〔ØD〕	
Tube(Metric)	Tube(Inch)
PLJ45 04	PLJ45 5/32
PLJ45 06	PLJ45 3/16
PLJ45 08	PLJ45 1/4
PLJ45 10	PLJ45 5/16
PLJ45 12	PLJ45 3/8
	PLJ45 1/2

PLLJ
Plug-In Extended Elbow

MODEL〔ØD〕	
Tube(Metric)	Tube(Inch)
PLLJ 04	PLLJ 5/32
PLLJ 06	PLLJ 3/16
PLLJ 08	PLLJ 1/4
PLLJ 10	PLLJ 5/16
PLLJ 12	PLLJ 3/8
PLLJ 16	PLLJ 1/2

PLLJ45 NEW!
Plug-In Extended Elbow

MODEL〔ØD〕	
Tube(Metric)	Tube(Inch)
PLLJ45 04	PLLJ45 5/32
PLLJ45 06	PLLJ45 3/16
PLLJ45 08	PLLJ45 1/4
PLLJ45 10	PLLJ45 5/16
PLLJ45 12	PLLJ45 3/8
	PLLJ45 1/2

PLGJ
Plug-In Reducer Elbow

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
PLGJ 06-04	PLGJ 3/16-5/32
PLGJ 08-06	PLGJ 1/4-5/32
PLGJ 10-08	PLGJ 1/4-3/16
PLGJ 12-10	PLGJ 5/16-1/4
	PLGJ 3/8-5/16
	PLGJ 1/2-3/8

PLGJ45 NEW!
Plug-In Reducer Elbow

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
PLGJ45 06-04	PLGJ45 3/16-5/32
PLGJ45 08-06	PLGJ45 1/4-5/32
PLGJ45 10-08	PLGJ45 1/4-3/16
PLGJ45 12-10	PLGJ45 5/16-1/4
	PLGJ45 3/8-5/16
	PLGJ45 1/2-3/8

PIJ
Tube Splicer

MODEL〔ØD〕	
Tube(Metric)	Tube(Inch)
PIJ 04	PIJ 5/32
PIJ 06	PIJ 3/16
PIJ 08	PIJ 1/4
PIJ 10	PIJ 5/16
PIJ 12	PIJ 3/8
PIJ 16	PIJ 1/2

PJH NEW!
Plug-In Extended Elbow

MODEL〔ØD1-ØD2〕	
Tube(Metric)	
PJH 04-04	PJH 04-1/8
PJH 04-05	PJH 08-1/4
PJH 06-05	PJH 10-1/4
PJH 06-06	PJH 12-1/2
PJH 08-06	PJH 14-1/2
PJH 08-08	
PJH 10-08	
PJH 12-08	
PJH 12-10	
PJH 12-13	
PJH 14-14	

PIG
Reducer Tube Splicer

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
PIG 06-04	PIG 3/16-5/32
PIG 08-04	PIG 1/4-3/16
PIG 08-06	PIG 1/4-5/32
PIG 10-06	PIG 5/16-5/32
PIG 10-08	PIG 5/16-1/4
PIG 12-08	PIG 3/8-1/4
PIG 12-10	PIG 3/8-5/16
PIG 16-12	PIG 1/2-5/16
	PIG 1/2-3/8

PP
Plug

MODEL〔ØD〕	
Tube(Metric)	Tube(Inch)
PP 04	PP 5/32
PP 06	PP 3/16
PP 08	PP 1/4
PP 10	PP 5/16
PP 12	PP 3/8
PP 16	PP 1/2

PYJ
Plug-In Y

MODEL〔ØD〕	
Tube(Metric)	Tube(Inch)
PYJ 04	PYJ 5/32
PYJ 06	PYJ 3/16
PYJ 08	PYJ 1/4
PYJ 10	PYJ 5/16
PYJ 12	PYJ 3/8
	PYJ 1/2

PWJ
Plug-In Reducer Y

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
PWJ 06-04	PWJ 1/4-5/32
PWJ 08-06	PWJ 5/16-1/4
PWJ 10-08	PWJ 3/8-5/16
PWJ 12-10	PWJ 1/2-3/8

PPF
Cap

MODEL〔ØD〕	
Tube(Metric)	Tube(Inch)
PPF 04	PPF 5/32
PPF 06	PPF 3/16
PPF 08	PPF 1/4
PPF 10	PPF 5/16
PPF 12	PPF 3/8
	PPF 1/2

PXG
Reducer Double Y Union

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
PXG 06-04	PXG 1/4-5/32
PXG 08-06	PXG 5/16-1/4

PXJ
Reducer Double Y

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
PXJ 06-04	PXJ 1/4-5/32
PXJ 08-06	PXJ 5/16-1/4

PXT
Male Double Y

MODEL〔ØD-T〕	
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
PXT 04-O1	PXT 5/32-N01
PXT 04-O2	PXT 5/32-N02
PXT 06-O1	PXT 1/4-N01
PXT 06-O2	PXT 1/4-N02
	Tube(Inch)-Thread(R)
	PXT 1/4-R01
	PXT 1/4-R02

*Rotating body construction after a proper installation.

PKG
Reducer Triple Branch Union

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
PKG 06-04	PKG 3/16-5/32
PKG 08-04	PKG 5/16-5/32
PKG 08-06	PKG 5/16-3/16
PKG 10-06	PKG 5/16-1/4
PKG 10-08	PKG 3/8-1/4
	PKG 3/8-5/16

PKJ
Plug-In Reducer Triple Branch

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
PKJ 06-04	PKJ 3/16-5/32
PKJ 08-04	PKJ 1/4-5/32
PKJ 08-06	PKJ 5/16-5/32
PKJ 10-06	PKJ 5/16-3/16
PKJ 10-08	PKJ 5/16-1/4
	PKJ 3/8-5/16

PKD
Male Reducer Triple Branch

MODEL〔ØD1-ØD2-T〕	
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
PKD 06-04-01	PKD 3/16-5/32-N01U
PKD 08-04-02	PKD 1/4-5/32-N01U
PKD 08-06-02	PKD 1/4-5/32-N02U
PKD 10-08-03	PKD 5/16-5/32-N02U
	PKD 5/16-3/16-N02U
	PKD 5/16-1/4-N02U
	PKD 5/16-1/4-N03U
	PKD 3/8-5/16-N03U

CAS NEW!
Insert Tube

MODEL〔ØD〕	
Tube(Metric)	Tube(Inch)
CAS 04	CAS 5/32
CAS 06	CAS 3/16
CAS 08	CAS 1/4
CAS 10	CAS 5/16
CAS 12	CAS 3/8
	CAS 1/2

CASI NEW!
Insert Tube

MODEL〔ØD〕	
Tube(Metric)	Tube(Inch)
CASI 04	CASI 5/32
CASI 06	CASI 3/16
CASI 08	CASI 1/4
CASI 10	CASI 5/16
CASI 12	CASI 3/8
	CASI 1/2

Fittings with G Thread(O-Ring)

PC-G
Male Straight

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PC 04-G01	PC 10-G01
PC 04-G02	PC 10-G02
PC 04-G03	PC 10-G03
PC 06-G01	PC 10-G04
PC 06-G02	PC 12-G01
PC 06-G03	PC 12-G02
PC 06-G04	PC 12-G03
PC 08-G01	PC 12-G04
PC 08-G02	PC 16-G03
PC 08-G03	PC 16-G04
PC 08-G04	

PL-G
Male Elbow

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PL 04-G01	PL 10-G01
PL 04-G02	PL 10-G02
PL 04-G03	PL 10-G03
PL 06-G01	PL 10-G04
PL 06-G02	PL 12-G01
PL 06-G03	PL 12-G02
PL 06-G04	PL 12-G03
PL 08-G01	PL 12-G04
PL 08-G02	PL 16-G03
PL 08-G03	PL 16-G04
PL 08-G04	

PL45-G NEW!
Male 45° Elbow

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PL45 04-G01	PL45 10-G01
PL45 04-G02	PL45 10-G02
PL45 04-G03	PL45 10-G03
PL45 06-G01	PL45 10-G04
PL45 06-G02	PL45 12-G01
PL45 06-G03	PL45 12-G02
PL45 06-G04	PL45 12-G03
PL45 08-G01	PL45 12-G04
PL45 08-G02	
PL45 08-G03	
PL45 08-G04	

PT-G
Male Branch Tee

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PT 04-G01	PT 10-G01
PT 04-G02	PT 10-G02
PT 04-G03	PT 10-G03
PT 06-G01	PT 10-G04
PT 06-G02	PT 12-G01
PT 06-G03	PT 12-G02
PT 06-G04	PT 12-G03
PT 08-G01	PT 12-G04
PT 08-G02	PT 16-G03
PT 08-G03	PT 16-G04
PT 08-G04	

PST-G
Male Run Tee

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PST 04-G01	PST 10-G01
PST 04-G02	PST 10-G02
PST 04-G03	PST 10-G03
PST 06-G01	PST 10-G04
PST 06-G02	PST 12-G01
PST 06-G03	PST 12-G02
PST 06-G04	PST 12-G03
PST 08-G01	PST 12-G04
PST 08-G02	
PST 08-G03	
PST 08-G04	

POC-G NEW!
Male Run Tee

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
POC 04-G01	POC 10-G02
POC 04-G02	POC 10-G03
POC 04-G03	POC 10-G04
POC 06-G01	POC 12-G01
POC 06-G02	POC 12-G02
POC 06-G03	POC 12-G03
POC 08-G01	POC 12-G04
POC 08-G02	
POC 08-G03	
POC 08-G04	
POC 10-G01	

PWT-G
Male Y

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PWT 04-G01	PWT 10-G01
PWT 04-G02	PWT 10-G02
PWT 04-G03	PWT 10-G03
PWT 06-G01	PWT 10-G04
PWT 06-G02	PWT 12-G01
PWT 06-G03	PWT 12-G02
PWT 06-G04	PWT 12-G03
PWT 08-G01	PWT 12-G04
PWT 08-G02	
PWT 08-G03	
PWT 08-G04	

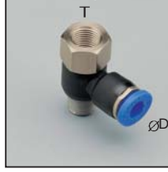
PCF-G NEW!
Female Straight

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PCF 04-G01	PCF 10-G02
PCF 04-G02	PCF 10-G03
PCF 04-G03	PCF 10-G04
PCF 06-G01	PCF 12-G02
PCF 06-G02	PCF 12-G03
PCF 06-G03	PCF 12-G04
PCF 08-G01	
PCF 08-G02	
PCF 08-G03	
PCF 08-G04	
PCF 10-G01	

PH-G NEW!
Single Universal Elbow

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PH 04-G01	
PH 06-G01	
PH 06-G02	
PH 08-G01	
PH 08-G02	
PH 08-G03	
PH 10-G02	
PH 10-G03	
PH 12-G03	
PH 12-G04	

PHF-G NEW!
Female Banjo



MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PHF 04-G01	
PHF 06-G01	
PHF 06-G02	
PHF 08-G01	
PHF 08-G02	
PHF 08-G03	
PHF 10-G02	
PHF 10-G03	
PHF 12-G03	
PHF 12-G04	

PHF-GG NEW!
Female Banjo

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PHF 04G01-G01	
PHF 06G01-G01	
PHF 06G02-G02	
PHF 08G01-G01	
PHF 08G02-G02	
PHF 08G03-G03	
PHF 10G02-G02	
PHF 10G03-G03	
PHF 12G03-G03	
PHF 12G04-G04	

PAF-G NEW!
Dual Female Banjo

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PAF 06-G01	
PAF 08-G02	
PAF 10-G03	
PAF 12-G04	

PMF-G NEW!
Bulkhead Female Straight

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PMF 04-G01	PMF 10-G02
PMF 04-G02	PMF 10-G03
PMF 04-G03	PMF 10-G04
PMF 06-G01	PMF 12-G01
PMF 06-G02	PMF 12-G02
PMF 06-G03	PMF 12-G03
PMF 08-G01	PMF 12-G04
PMF 08-G02	
PMF 08-G03	
PMF 08-G04	
PMF 10-G01	

PLF-G NEW!
Female Elbow

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PLF 04-G01	
PLF 04-G02	
PLF 06-G01	
PLF 06-G02	
PLF 06-G03	
PLF 08-G01	
PLF 08-G02	
PLF 08-G03	
PLF 10-G02	
PLF 10-G03	
PLF 10-G04	

PLL-G
Extended Male Elbow

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PLL 04-G01	PLL 10-G01
PLL 04-G02	PLL 10-G02
PLL 04-G03	PLL 10-G03
PLL 06-G01	PLL 10-G04
PLL 06-G02	PLL 12-G01
PLL 06-G03	PLL 12-G02
PLL 06-G04	PLL 12-G03
PLL 08-G01	PLL 12-G04
PLL 08-G02	
PLL 08-G03	
PLL 08-G04	

POL-G NEW!
Extended Male Elbow

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
POL 04-G01	
POL 06-G01	
POL 06-G02	
POL 08-G01	
POL 08-G02	
POL 08-G03	
POL 10-G02	
POL 10-G03	
POL 12-G03	
POL 12-G04	

PLLP-G NEW!
Extended Male Elbow

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PLLP 04-G01	PLLP 10-G01
PLLP 04-G02	PLLP 10-G02
PLLP 04-G03	PLLP 10-G03
PLLP 06-G01	PLLP 10-G04
PLLP 06-G02	PLLP 12-G01
PLLP 06-G03	PLLP 12-G02
PLLP 06-G04	PLLP 12-G03
PLLP 08-G01	PLLP 12-G04
PLLP 08-G02	
PLLP 08-G03	
PLLP 08-G04	

PHT-G(D2)
Double Universal Elbow

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PHT 04-G01(2)	PHT 10-G03(2)
PHT 04-G02(2)	PHT 10-G04(2)
PHT 04-G03(2)	PHT 12-G02(2)
PHT 06-G01(2)	PHT 12-G03(2)
PHT 06-G02(2)	PHT 12-G04(2)
PHT 06-G03(2)	
PHT 08-G01(2)	
PHT 08-G02(2)	
PHT 08-G03(2)	
PHT 08-G04(2)	
PHT 10-G02(2)	

PHT-G(D3)
Triple Universal Elbow

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PHT 04-G01(3)	PHT 10-G03(3)
PHT 04-G02(3)	PHT 10-G04(3)
PHT 04-G03(3)	PHT 12-G02(3)
PHT 06-G01(3)	PHT 12-G03(3)
PHT 06-G02(3)	PHT 12-G04(3)
PHT 06-G03(3)	
PHT 08-G01(3)	
PHT 08-G02(3)	
PHT 08-G03(3)	
PHT 08-G04(3)	
PHT 10-G02(3)	

PAT-G(D2)
Double Branch A

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PAT 04-G01(2)	PAT 10-G03(2)
PAT 04-G02(2)	PAT 10-G04(2)
PAT 04-G03(2)	PAT 12-G02(2)
PAT 06-G01(2)	PAT 12-G03(2)
PAT 06-G02(2)	PAT 12-G04(2)
PAT 06-G03(2)	
PAT 08-G01(2)	
PAT 08-G02(2)	
PAT 08-G03(2)	
PAT 08-G04(2)	
PAT 10-G02(2)	

PAT-G(D3)
Triple Branch A

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
PAT 04-G01(3)	PAT 10-G03(3)
PAT 04-G02(3)	PAT 10-G04(3)
PAT 04-G03(3)	PAT 12-G02(3)
PAT 06-G01(3)	PAT 12-G03(3)
PAT 06-G02(3)	PAT 12-G04(3)
PAT 06-G03(3)	
PAT 08-G01(3)	
PAT 08-G02(3)	
PAT 08-G03(3)	
PAT 08-G04(3)	
PAT 10-G02(3)	

PKD-G
Male Reducer Triple Branch

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
PKD 06-04-G01
PKD 08-04-G02
PKD 08-06-G02
PKD 10-08-G03

PXT-G
Male Double Y

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
PXT 04-G01
PXT 04-G02
PXT 06-G01
PXT 06-G02

PGL(D1)
Single Universal Elbow

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
PGL 04-G01(1)
PGL 06-G01(1)
PGL 06-G02(1)
PGL 08-G01(1)
PGL 08-G02(1)
PGL 08-G03(1)
PGL 10-G02(1)
PGL 10-G03(1)
PGL 12-G03(1)
PGL 12-G04(1)

PGL(D2)
Double Universal Elbow

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
PGL 04-G01(2)
PGL 06-G01(2)
PGL 06-G02(2)
PGL 08-G01(2)
PGL 08-G02(2)
PGL 08-G03(2)
PGL 10-G02(2)
PGL 10-G03(2)
PGL 12-G03(2)
PGL 12-G04(2)

PGL(D3)
Triple Universal Elbow

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
PGL 04-G01(3)
PGL 06-G01(3)
PGL 06-G02(3)
PGL 08-G01(3)
PGL 08-G02(3)
PGL 08-G03(3)
PGL 10-G02(3)
PGL 10-G03(3)
PGL 12-G03(3)
PGL 12-G04(3)

PGT(D1)
Single Universal Tee

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
PGT 04-G01(1)
PGT 06-G01(1)
PGT 06-G02(1)
PGT 08-G01(1)
PGT 08-G02(1)
PGT 08-G03(1)
PGT 10-G01(1)
PGT 10-G02(1)
PGT 12-G03(1)
PGT 12-G04(1)

PGT(D2)
Double Universal Tee

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
PGT 04-G01(2)
PGT 06-G01(2)
PGT 06-G02(2)
PGT 08-G01(2)
PGT 08-G02(2)
PGT 08-G03(2)
PGT 10-G02(2)
PGT 10-G03(2)
PGT 12-G03(2)
PGT 12-G04(2)

PGT(D3)
Triple Universal Tee

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
PGT 04-G01(3)
PGT 06-G01(3)
PGT 06-G02(3)
PGT 08-G01(3)
PGT 08-G02(3)
PGT 08-G03(3)
PGT 10-G02(3)
PGT 10-G03(3)
PGT 12-G03(3)
PGT 12-G04(3)

PGB(D1)

MODEL〔T〕
Thread(G)
PGB G01(1)
PGB G02(1)
PGB G03(1)
PGB G04(1)

PGB(D2)

MODEL〔T〕
Thread(G)
PGB G01(2)
PGB G02(2)
PGB G03(2)
PGB G04(2)

PGB(D3)

MODEL〔T〕
Thread(G)
PGB G01(3)
PGB G02(3)
PGB G03(3)
PGB G04(3)

PGL

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
PGL 04-G01P
PGL 06-G01P
PGL 06-G02P
PGL 08-G01P
PGL 08-G02P
PGL 08-G03P
PGL 10-G02P
PGL 10-G03P
PGL 12-G03P
PGL 12-G04P

PGT

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
PGT 04-G01P
PGT 06-G01P
PGT 06-G02P
PGT 08-G01P
PGT 08-G02P
PGT 08-G03P
PGT 10-G02P
PGT 10-G03P
PGT 12-G03P
PGT 12-G04P

PGO

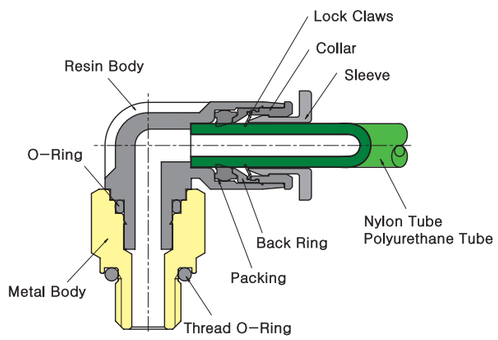
MODEL〔T〕
Thread(G)
PGO G01
PGO G02
PGO G03
PGO G04

COMPACT ONE-TOUCH FITTINGS

FEATURES

- The smallest pneumatic fittings in the world. In fact, the volume is 40% less and the outside diameter is 20% less in comparison to those of the standard type.
- Compact One-Touch Fittings are specially designed for pneumatic installations in equipment that are small and compact in size.

STRUCTURAL DIAGRAM



SPECIFICATIONS

Compatible Fluid type	Air(No other gases or liquids)	
Operating Pressure Range	0~150PSI	0~9Kgf/㎠(0~900kPa)
Negative pressure	-29.5 in Hg	-750mmHg(10Torr)
Operating Temperature Range	32~140° F	0~60°C
Recommended Tube Material	Polyurethane and Nylon	

PRODUCTS CODE SYSTEM

PC ① O6 ② - O1 ③ C ④

①Model Type

②Tube Dia(∅D)

	Metric Size			Inch Size		
Code	03	04	06	1/8	5/32	1/4
Dia	∅3	∅4	∅6	∅1/8	∅5/32	∅1/4

③Thread Size(T)

*Metric Thread & R(PT) Thread

	Metric Size			
Code	M3	M5	M6	01
Size	M3×0.5	M5×0.8	M6×1.0	R1/8

×Inch Thread (UNF & NPT)

	Unified Fine Thread	American Standard Taper Pipe Thread	
Code	U10U	N00U	N01U
Size	10-32UNF	NPT1/16	NPT1/8

④C=COMPACT

PC-C
Male Straight

MODEL [∅D-T]		
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
PC 03-M3C	PC 1/8-M3C	PC 1/8-U10UC
PC 03-M5C	PC 1/8-M5C	PC 1/8-N00UC
PC 03-M6C	PC 1/8-M6C	PC 1/8-N01UC
PC 04-M3C	PC 5/32-M3C	PC 5/32-U10UC
PC 04-M5C	PC 5/32-M5C	PC 5/32-N00UC
PC 04-M6C	PC 5/32-M6C	PC 5/32-N01UC
PC 04-01C	PC 5/32-01C	PC 1/4-U10UC
PC 06-M5C	PC 1/4-M5C	PC 1/4-N00UC
PC 06-M6C	PC 1/4-M6C	PC 1/4-N01UC
PC 06-01C	PC 1/4-01C	

PUC-C
Union Straight

MODEL [∅D]	
Tube(Metric)	Tube(Inch)
PUC 03C	PUC 1/8C
PUC 04C	PUC 5/32C
PUC 06C	PUC 1/4C

PL-C
Male Elbow

MODEL [∅D-T]		
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
PL 03-M3C	PL 1/8-M3C	PL 1/8-U10UC
PL 03-M5C	PL 1/8-M5C	PL 1/8-N00UC
PL 03-M6C	PL 1/8-M6C	PL 1/8-N01UC
PL 04-M3C	PL 5/32-M3C	PL 5/32-U10UC
PL 04-M5C	PL 5/32-M5C	PL 5/32-N00UC
PL 04-M6C	PL 5/32-M6C	PL 5/32-N01UC
PL 04-01C	PL 5/32-01C	PL 1/4-U10UC
PL 06-M5C	PL 1/4-M5C	PL 1/4-N00UC
PL 06-M6C	PL 1/4-M6C	PL 1/4-N01UC
PL 06-01C	PL 1/4-01C	

PUL-C
Union Elbow

MODEL [∅D]	
Tube(Metric)	Tube(Inch)
PUL 03C	PUL 1/8C
PUL 04C	PUL 5/32C
PUL 06C	PUL 1/4C

PT-C
Male Branch Tee

MODEL [∅D-T]		
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
PT 03-M3C	PT 1/8-M3C	PT 1/8-U10UC
PT 03-M5C	PT 1/8-M5C	PT 1/8-N00UC
PT 03-M6C	PT 1/8-M6C	PT 1/8-N01UC
PT 04-M3C	PT 5/32-M3C	PT 5/32-U10UC
PT 04-M5C	PT 5/32-M5C	PT 5/32-N00UC
PT 04-M6C	PT 5/32-M6C	PT 5/32-N01UC
PT 04-01C	PT 5/32-01C	PT 1/4-U10UC
PT 06-M5C	PT 1/4-M5C	PT 1/4-N00UC
PT 06-M6C	PT 1/4-M6C	PT 1/4-N01UC
PT 06-01C	PT 1/4-01C	

PUT-C
Union Tee

MODEL [∅D]	
Tube(Metric)	Tube(Inch)
PUT 03C	PUT 1/8C
PUT 04C	PUT 5/32C
PUT 06C	PUT 1/4C

POC-C
Round Male Straight

MODEL [∅D-T]		
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
POC 03-M3C	POC 1/8-M3C	POC 1/8-U10UC
POC 03-M5C	POC 1/8-M5C	POC 1/8-N00UC
POC 03-M6C	POC 1/8-M6C	POC 1/8-N01UC
POC 04-M3C	POC 5/32-M3C	POC 5/32-U10UC
POC 04-M5C	POC 5/32-M5C	POC 5/32-N00UC
POC 04-M6C	POC 5/32-M6C	POC 5/32-N01UC
POC 04-01C	POC 5/32-01C	POC 1/4-U10UC
POC 06-M5C	POC 1/4-M5C	POC 1/4-N00UC
POC 06-M6C	POC 1/4-M6C	POC 1/4-N01UC
POC 06-01C	POC 1/4-01C	

*Hexagonal wrench may be used for a proper tightening.

PST-C
Male Run Tee

MODEL [∅D-T]		
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
PST 03-M3C	PST 1/8-M3C	PST 1/8-U10UC
PST 03-M5C	PST 1/8-M5C	PST 1/8- N00UC
PST 03-M6C	PST 1/8-M6C	PST 1/8- N01UC
PST 04-M3C	PST 5/32-M3C	PST 5/32-U10UC
PST 04-M5C	PST 5/32-M5C	PST 5/32- N00UC
PST 04-M6C	PST 5/32-M6C	PST 5/32- N01UC
PST 04-O1C	PST 5/32-01C	PST 1/4-U10UC
PST 06-M5C	PST 1/4-M5C	PST 1/4- N00UC
PST 06-M6C	PST 1/4-M6C	PST 1/4- N01UC
PST 06-O1C	PST 1/4-01C	

PLL-C
Extended Male Elbow

MODEL [∅D-T]		
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
PLL 03-M3C	PLL 1/8-M3C	PLL 1/8-U10UC
PLL 03-M5C	PLL 1/8-M5C	PLL 1/8- N00UC
PLL 03-M6C	PLL 1/8-M6C	PLL 1/8- N01UC
PLL 04-M3C	PLL 5/32-M3C	PLL 5/32-U10UC
PLL 04-M5C	PLL 5/32-M5C	PLL 5/32-N00UC
PLL 04-M6C	PLL 5/32-M6C	PLL 5/32-N01UC
PLL 04-01C	PLL 5/32-01C	PLL 1/4-U10UC
PLL 06-M5C	PLL 1/4-M5C	PLL 1/4-N00UC
PLL 06-M6C	PLL 1/4-M6C	PLL 1/4-N01UC
PLL 06-01C	PLL 1/4-01C	

PCF-C
Female Straight

MODEL [∅D-T]		
Tube(Metric)-Thread(Rc)	Tube(Inch)-Thread(Rc)	Tube(Inch)-Thread(NPT)
PCF 03-M3C	PCF 1/8-M3C	PCF 1/8-U10UC
PCF 03-M5C	PCF 1/8-M5C	PCF 1/8-N00UC
PCF 04-M3C	PCF 5/32-M3C	PCF 5/32-U10UC
PCF 04-M5C	PCF 5/32-M5C	PCF 5/32-N00UC

PGJ-C
Reducer

MODEL [∅D1- ∅D2]	
Tube(Metric)	Tube(Inch)
PGJ 04-03C	PGJ 06C-1/8C
PGJ 06-04C	PGJ 1/4C-5/32C

PW-C
Reducer Y

MODEL [ØD1-ØD2]	
Tube(Metric)	Tube(Inch)
PW 04-03C	PW 1/8C-03C
PW 06-04C	PW 5/32C-1/8C
	PW 1/4C-5/32C

PWJ-C
Plug-In Reducer Y

MODEL [ØD1-ØD2]	
Tube(Metric)	Tube(Inch)
PWJ 04-03C	PWJ 1/8-03C
PWJ 06-04C	PWJ 5/32C-1/8C
	PWJ 1/4C-5/32C

PC-C(G)
Male Straight

MODEL [ØD-T]
Tube(Metric)-Thread(G)
PC 04G-01C
PC 06G-01C

PLJ-C
Plug-In Elbow

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PLJ 03C	PLJ 1/8C
PLJ 04C	PLJ 5/32C
PLJ 06C	PLJ 1/4C

PMM-C
Bulkhead Union

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PMM 03C	PMM 1/8C
PMM 04C	
PMM 06C	

PL-C(G)
Male Elbow

MODEL [ØD-T]
Tube(Metric)-Thread(G)
PL 04G-01C
PL 06G-01C

PCC-C

MODEL [ØD-T]	
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)
PCC 03-M6C	PCC 1/8-M6C
PCC 04-M6C	
PCC 04-M8C	
PCC 06-M8C	

M6 : M6×0.75
M8 : M8×0.75

PPF-C
Cap

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PPF 03C	PPF 1/8C
PPF 04C	PPF 5/32C
PPF 06C	PPF 1/4C

PT-C(G)
Male Branch Tee

MODEL [ØD-T]
Tube(Metric)-Thread(G)
PT 04G-01C
PT 06G-01C

PZA-C
Union Cross

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PZA 03C	PZA 1/8C
PZA 04C	PZA 5/32C
PZA 06C	PZA 1/4C

PYJ-C
Plug-In Y

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PYJ 03C	PYJ 1/8C
PYJ 04C	PYJ 5/32C
PYJ 06C	PYJ 1/4C

PST-C(G)
Male Run Tee

MODEL [ØD-T]
Tube(Metric)-Thread(G)
PST 04G-01C
PST 06G-01C

PG-C
Reducer

MODEL [ØD1-ØD2]	
Tube(Metric)	Tube(Inch)
PG 04-03C	PG 5/32C-1/8C
PG 06-04C	

PY-C
Union Y

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PY 03C	PY 1/8C
PY 04C	PY 5/32C
PY 06C	PY 1/4C

PLL-C(G)
Extended Male Elbow

MODEL [ØD-T]
Tube(Metric)-Thread(G)
PLL 04G-01C
PLL 06G-01C

PP-C
Plug

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
PP 03C	PP 1/8C
	PP 5/32C
	PP 1/4C

PLM-C NEW!
Bulkhead Union P

MODEL [ØD]
Tube(Metric)
PLM 03C
PLM 04C
PLM 06C

POC-C(G)
Round Male Straight

MODEL [ØD-T]
Tube(Metric)-Thread(G)
POC 04G-01C
POC 06G-01C

SPEED CONTROLLERS

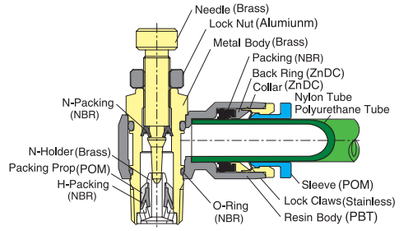
FEATURES

- Speed Controllers precisely permit the optimal rate of airflow for the smooth cylinder movement of a driving device.
- The compact design provides a comparable range of speed as the larger standard speed controllers do.
- Compact and light body is suitable for pneumatic applications where space is at a minimum.
- Unidirectional airflow is available for either exhaust or inlet flow control methods.

SPECIFICATIONS

Compatible Fluid type	Air(No other gases or liquids)	
Operating Pressure Range	0~150PSI	0~9Kgf/㎠(0~900kPa)
Check valve operating pressure	7.5PSI	0.5Kgf/㎠(50kPa)
Operating Temperature Range	32~140°F	0~60°C
Recommended Tube Material	Polyurethane and Nylon	

STRUCTURAL DIAGRAM



PRODUCTS CODE SYSTEM

NSE ① – O8 ② O2 ③ O ④ U ⑤

① Model Type

② Tube Outer Dia(ØD)

	Metric Size						Inch Size						
Code	03	04	06	08	10	12	1/8	5/32	3/16	1/4	5/16	3/8	1/2
Dia	Ø3	Ø4	Ø6	Ø8	Ø10	Ø12	Ø1/8	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2

③ Thread Size(T)

*Metric Thread & R(PT) Thread

	Metric Size		Taper Pipe Thread			
Code	M3	M5	01	02	03	04
Size	M3×0.5	M5×0.8	R1/8	R1/4	R3/8	R1/2

*Inch Size(UNF & NPT)

	Unified Fine Thread	American Standard Taper Pipe Thread			
Code	U10U	N01U	N02U	N03U	N04U
Size	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2

④ Control Method

Type	Meter out		Meter in	
Sleeve	Standard	Compact	Standard	Compact
	Blue	Black	Red	Red
Symbol				

⑤ U : Hexagon flat-to-flat inch specification.(NPT)

NSE
Elbow

MODEL [ØD-T]				
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)	
NSE 04-M5	NSE 10-02	NSE 1/4-M5	NSE 5/32-U10U	NSE 5/16-N01U
NSE 04-01	NSE 10-03	NSE 1/4-01	NSE 5/32-N01U	NSE 5/16-N02U
NSE 04-02	NSE 10-04	NSE 1/4-02	NSE 3/16-U10U	NSE 5/16-N03U
NSE 06-M5	NSE 12-02	NSE 1/4-03	NSE 3/16-N01U	NSE 5/16-N04U
NSE 06-01	NSE 12-03	NSE 5/16-01	NSE 3/16-N02U	NSE 3/8-N02U
NSE 06-02	NSE 12-04	NSE 5/16-02	NSE 3/16-N03U	NSE 3/8-N03U
NSE 06-03		NSE 5/16-03	NSE 1/4-U10U	NSE 3/8-N04U
NSE 08-01		NSE 3/8-02	NSE 1/4-N01U	NSE 1/2-N03U
NSE 08-02		NSE 3/8-03	NSE 1/4-N02U	NSE 1/2-N04U
NSE 08-03			NSE 1/4-N03U	
NSE 08-04				

NSE-G
Elbow G-Thread

MODEL [ØD-T]	
Tube(Metric)-Thread(G)	
NSE 04-G01	NSE 10-G04
NSE 04-G02	NSE 12-G03
NSE 06-G01	NSE 12-G04
NSE 06-G02	
NSE 06-G03	
NSE 08-G01	
NSE 08-G02	
NSE 08-G03	
NSE 08-G04	
NSE 10-G02	
NSE 10-G03	

NSS
Straight

MODEL [ØD-T]				
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)	
NSS 04-M5	NSS 10-02	NSS 1/4-M5	NSS 5/32-U10U	NSS 5/16-N02U
NSS 04-01	NSS 10-03	NSS 1/4-01	NSS 5/32-N01U	NSS 5/16-N03U
NSS 04-02	NSS 10-04	NSS 1/4-02	NSS 3/16-U10U	NSS 5/16-N04U
NSS 06-M5	NSS 12-02	NSS 5/16-01	NSS 3/16-N01U	NSS 3/8-N02U
NSS 06-01	NSS 12-03	NSS 5/16-02	NSS 3/16-N02U	NSS 3/8-N03U
NSS 06-02	NSS 12-04	NSS 5/16-03	NSS 3/16-N03U	NSS 3/8-N04U
NSS 06-03		NSS 3/8-02	NSS 1/4-U10U	NSS 1/2-N03U
NSS 08-01		NSS 3/8-03	NSS 1/4-N01U	NSS 1/2-N04U
NSS 08-02			NSS 1/4-N02U	
NSS 08-03			NSS 1/4-N03U	
NSS 08-04			NSS 5/16-N01U	

NSF
Union Straight

MODEL [ØD]	
Tube(Metric)	Tube(Inch)
NSF 04	NSF 5/32
NSF 06	NSF 3/16
NSF 08	NSF 1/4
NSF 10	NSF 5/16
NSF 12	NSF 3/8
	NSF 1/2

NSE-C NEW!
Mini Elbow

MODEL [ØD-T]		
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
NSE 03-M3C	NSE 1/8-M3C	NSE 1/8-U10UC
NSE 03-M5C	NSE 1/8-M5C	NSE 5/32-U10C
NSE 04-M3C	NSE 5/32-M3C	NSE 5/32-N01C
NSE 04-M5C	NSE 5/32-M5C	NSE 1/4-U10UC
NSE 04-01C	NSE 5/32-01C	NSE 1/4-N01C
NSE 06-M3C	NSE 1/4-M5C	
NSE 06-M5C	NSE 1/4-01C	
NSE 06-01C		
NSE 06-02C		

NSF-C NEW!
Mini Union Straight

MODEL [ØD]
Tube(Metric)
NSF 03C

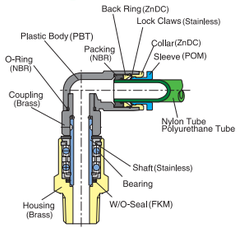
ROTARY JOINTS

FEATURES

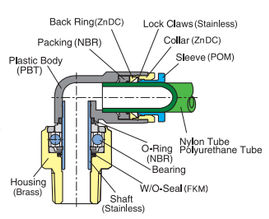
- Two embedded bearings better accommodate high speed rotation and swinging of pneumatic connections.
- Built in bearing accommodates the rotation and swinging of pneumatic connections.
- Rotary joints are constructed to fairly withstand the vibration or tubing movements.

STRUCTURAL DIAGRAM

▼High Rotary Joint



▼Rotary Joint



NUMBER OF ROTATION

Model	NHRC, NHRL, NHRS, NHRF				
Tube Dia	∅4	∅6	∅8	∅10	∅12
r. p. m	1500	1200	1200	1000	1000

Model	NRC, NRL				
Tube Dia	∅4	∅6	∅8	∅10	∅12
r. p. m	500	500	400	300	250

SPECIFICATIONS

Compatible Fluid Type	Air(No other gases or liquids)	
Pressure Range	0~150PSI	0~8kgf/cm²(0~900kPa)
Negative Pressure	-29.5inHg	-750mmHg(10Torr)
Temperature Range	32~140°F	0~60°C
Recommanded Tube Material	Polyurethane and Nylon	

PRODUCT CODE SYSTEM

NHRC ① 06 ② – 01 ③ ④

①Model Type

②Tube Outer Dia(ØD)

	Metric Size					Inch Size					
Code	04	06	08	10	12	5/32	3/16	1/4	5/16	3/8	1/2
Dia	∅4	∅6	∅8	∅10	∅12	∅5/32	∅3/16	∅1/4	∅5/16	∅3/8	∅1/2

③Thread Size(T)

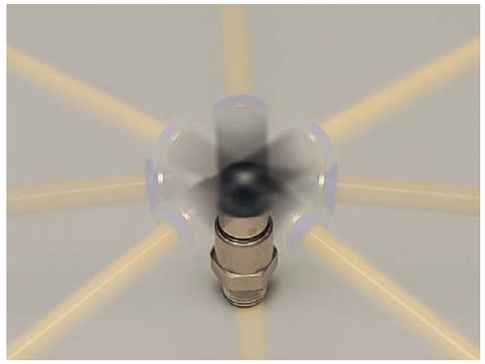
* Metric Thread & R(PT) Thread

	Metric Size		Taper Pipe Thread			
Code	M5	M6	01	02	03	04
Size	M5×0.8	M6×1.0	R1/8	R1/4	R3/8	R1/2

*Inch Thread (UNF & NPT)

	Unified Fine Thread	American Standard Taper pipe Thread			
Code	U10U	N01U	N02U	N03U	N04U
Size	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2

④U : Hexagon flat-to-flat inch specification.(NPT)



NRC Straight

MODEL〔ØD–T〕				
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)	
NRC 04-M5	NRC 10-04	NRC 1/4-01	NRC 5/32-U10U	NRC 1/2-N03U
NRC 04-M6	NRC 12-03	NRC 1/4-02	NRC 5/32-N01U	NRC 1/2-N04U
NRC 04-01	NRC 12-04	NRC 5/16-01	NRC 3/16-N01U	
NRC 06-M5		NRC 5/16-02	NRC 3/16-N02U	
NRC 06-M6		NRC 5/16-03	NRC 1/4-N01U	
NRC 06-01		NRC 3/8-03	NRC 1/4-N02U	
NRC 06-02		NRC 3/8-04	NRC 5/16-N01U	
NRC 08-01			NRC 5/16-N02U	
NRC 08-02			NRC 5/16-N03U	
NRC 08-03			NRC 3/8-N03U	
NRC 10-03			NRC 3/8-N04U	

NRL Elbow

MODEL〔ØD–T〕				
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)	
NRL 04-M5	NRL 10-04	NRL 1/4-01	NRL 5/32-U10U	NRL 1/2-N03U
NRL 04-M6	NRL 12-03	NRL 1/4-02	NRL 5/32-N01U	NRL 1/2-N04U
NRL 04-01	NRL 12-04	NRL 5/16-01	NRL 3/16-N01U	
NRL 06-M5		NRL 5/16-02	NRL 3/16-N02U	
NRL 06-M6		NRL 5/16-03	NRL 1/4-N01U	
NRL 06-01		NRL 3/8-03	NRL 1/4-N02U	
NRL 06-02		NRL 3/8-04	NRL 5/16-N01U	
NRL 08-01			NRL 5/16-N02U	
NRL 08-02			NRL 5/16-N03U	
NRL 08-03			NRL 3/8-N03U	
NRL 10-03			NRL 3/8-N04U	

NHRC Straight

MODEL〔ØD–T〕			
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)	
NHRC 04-M5	NHRC 1/4-01	NHRC 5/32-U10U	NHRC 1/2-N03U
NHRC 04-M6	NHRC 1/4-02	NHRC 5/32-N01U	NHRC 1/2-N04U
NHRC 04-01	NHRC 5/16-01	NHRC 3/16-U10U	
NHRC 06-01	NHRC 5/16-02	NHRC 3/16-N01U	
NHRC 06-02	NHRC 3/8-03	NHRC 3/16-N02U	
NHRC 08-01	NHRC 3/8-04	NHRC 1/4-N01U	
NHRC 08-02		NHRC 1/4-N02U	
NHRC 10-03		NHRC 5/16-N01U	
NHRC 10-04		NHRC 5/16-N02U	
NHRC 12-03		NHRC 3/8-N03U	
NHRC 12-04		NHRC 3/8-N04U	

NHRL Elbow

MODEL〔ØD–T〕			
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)	
NHRL 04-M5	NHRL 1/4-01	NHRL 5/32-U10U	NHRL 1/2-N03U
NHRL 04-M6	NHRL 1/4-02	NHRL 5/32-N01U	NHRL 1/2-N04U
NHRL 04-01	NHRL 5/16-01	NHRL 3/16-U10U	
NHRL 06-01	NHRL 5/16-02	NHRL 3/16-N01U	
NHRL 06-02	NHRL 3/8-03	NHRL 3/16-N02U	
NHRL 08-01	NHRL 3/8-04	NHRL 1/4-N01U	
NHRL 08-02		NHRL 1/4-N02U	
NHRL 10-03		NHRL 5/16-N01U	
NHRL 10-04		NHRL 5/16-N02U	
NHRL 12-03		NHRL 3/8-N03U	
NHRL 12-04		NHRL 3/8-N04U	

NHRS Nipple

MODEL〔T1–T2〕		
Thread(R)-Thread(R)		Thread(NPT)-Thread(NPT)
NHRS 01-01		NHRS N01-N01U
NHRS 01-02		NHRS N01-N02U
NHRS 02-01		NHRS N02-N01U
NHRS 02-02		NHRS N02-N02U
NHRS 03-03		NHRS N03-N03U
NHRS 03-04		NHRS N03-N04U
NHRS 04-03		NHRS N04-N03U
NHRS 04-04		NHRS N04-N04U

NHRF Bush

MODEL〔T1–T2〕		
Thread(R)-Thread(Rc)		Thread(NPT)-Thread(NPT)
NHRF 01-01		NHRF N01-N01U
NHRF 01-02		NHRF N01-N02U
NHRF 02-01		NHRF N02-N01U
NHRF 02-02		NHRF N02-N02U
NHRF 03-03		NHRF N03-N03U
NHRF 03-04		NHRF N03-N04U
NHRF 04-03		NHRF N04-N03U
NHRF 04-04		NHRF N04-N04U

Fittings with G Thread(O-Ring)

NHRC-G Straight

MODEL〔ØD–T〕
Tube(Metric)-Thread(G)
NHRC 04-G01
NHRC 06-G01
NHRC 06-G02
NHRC 08-G01
NHRC 08-G02
NHRC 08-G03
NHRC 10-G03
NHRC 10-G04
NHRC 12-G03
NHRC 12-G04

NHRS-G Nipple

MODEL〔ØD–T〕
Male Thread(R) - Male Thread(G)
NHRS G01-G01
NHRS G01-G02
NHRS G02-G01
NHRS G02-G02
NHRS G03-G03
NHRS G03-G04
NHRS G04-G03
NHRS G04-G04

NRC-G Straight

MODEL〔ØD–T〕
Tube(Metric)-Thread(G)
NRC 04-G01
NRC 06-G01
NRC 06-G02
NRC 08-G01
NRC 08-G02
NRC 08-G03
NRC 10-G03
NRC 10-G04
NRC 12-G03
NRC 12-G04

NHRL-G Elbow

MODEL〔ØD–T〕
Tube(Metric)-Thread(G)
NHRL 04-G01
NHRL 06-G01
NHRL 06-G02
NHRL 08-G01
NHRL 08-G02
NHRL 10-G03
NHRL 10-G04
NHRL 12-G03
NHRL 12-G04

NHRF-G Bush

MODEL〔T1–T2〕
Male Thread(G) - Female Thread(G)
NHRF G01-G01
NHRF G01-G02
NHRF G02-G01
NHRF G02-G02
NHRF G03-G03
NHRF G03-G04
NHRF G04-G03
NHRF G04-G04

NRL-G Elbow

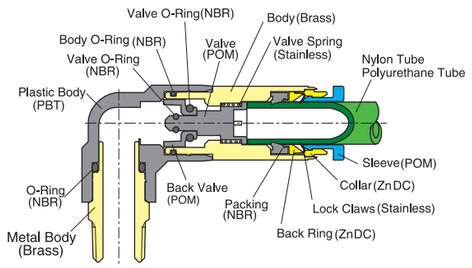
MODEL〔ØD–T〕
Tube(Metric)-Thread(G)
NRL 04-G01
NRL 06-G01
NRL 06-G02
NRL 08-G01
NRL 08-G02
NRL 08-G03
NRL 10-G03
NRL 10-G04
NRL 12-G03
NRL 12-G04

STOP FITTINGS

FEATURES

- The double-passage mechanism of stop Fittings completely prevent the airflow upon the tubing disconnection and reinitiates the airflow upon the tubing reconnection.
- The complete prevention of airflow upon the tubing disconnection provides safety when repairing the pneumatic equipment.
- Stop Fittings are ideal for the demonstration or the testing of pneumatic connections.

STRUCTURAL DIAGRAM



SPECIFICATIONS

Compatible Fluid type	Air(No other gases or liquids)	
Operating Pressure Range	0~150PSI	0~9kgf/cm²(0~900kPa)
Operating Temperature Range	32~140°F	0~60℃
Recommanded Tube Material	Polyurethane and Nylon	

PRODUCT CODE SYSTEM

SPC	06	_	01	
①	②		③	④

①Model Type

②Tube Outer Dia(ØD)

	Metric Size					Inch Size					
Code	04	06	08	10	12	5/32	3/16	1/4	5/16	3/8	1/2
Dia	Ø4	Ø6	Ø8	Ø10	Ø12	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2

③Thread Size(T)

* Metric Thread & R(PT) Thread

	Metric Size		Taper Pipe Size			
Code	M5	M6	01	02	03	04
Size	M5×0.8	M6×1.0	R1/8	R1/4	R3/8	R1/2

*Inch Thread (UNF & NPT)

	Unified Fine Thread	American Standard Taper Pipe Thread			
Code	U10U	N01U	N02U	N03U	N04U
Size	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2

④U : Hexagon flat-to-flat inch specification.(NPT)

SPL Elbow

MODEL〔ØD–T〕			
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(NPT)	
SPL 04-M5	SPL 10-04	SPL 5/32-U10U	SPL 3/8-N02U
SPL 04-M6	SPL 12-03	SPL 5/32-N01U	SPL 3/8-N03U
SPL 04-01	SPL 12-04	SPL 3/16-U10U	SPL 3/8-N04U
SPL 06-M5		SPL 3/16-N01U	SPL 1/2-N03U
SPL 06-01		SPL 3/16-N02U	SPL 1/2-N04U
SPL 06-02		SPL 1/4-U10U	
SPL 08-01		SPL 1/4-N01U	
SPL 08-02		SPL 1/4-N02U	
SPL 08-03		SPL 5/16-N01U	
SPL 10-02		SPL 5/16-N02U	
SPL 10-03		SPL 5/16-N03U	

SPL-G Elbow

MODEL〔ØD–T〕
Tube(Metric)-Thread(G)
SPL 04-G01
SPL 06-G01
SPL 06-G02
SPL 08-G01
SPL 08-G02
SPL 08-G03
SPL 10-G02
SPL 10-G03
SPL 10-G04
SPL 12-G03
SPL 12-G04

SPC Straight

MODEL〔ØD–T〕	
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
SPC 04-01	SPC 5/32-U01U
SPC 06-01	SPC 5/32-N01U
SPC 06-02	SPC 3/16-N01U
SPC 08-01	SPC 3/16-N02U
SPC 08-02	SPC 1/4-N01U
SPC 08-03	SPC 1/4-N02U
SPC 10-02	SPC 5/16-N02U
SPC 10-03	SPC 5/16-N03U
SPC 10-04	SPC 3/8-N03U
SPC 12-03	SPC 3/8-N04U
SPC 12-04	SPC 1/2-N03U
SPC 04-M5	SPC 1/2-N04U

SPC-G Straight

MODEL〔ØD–T〕
Tube(Metric)-Thread(G)
SPC 04-G01
SPC 06-G01
SPC 06-G02
SPC 08-G01
SPC 08-G02
SPC 08-G03
SPC 10-G02
SPC 10-G03
SPC 10-G04
SPC 12-G03
SPC 12-G04

SPU Union Straight

MODEL〔ØD〕	
Tube(Metric)	Tube(Inch)
SPU 04	SPU 5/32
SPU 06	SPU 3/16
SPU 08	SPU 1/4
SPU 10	SPU 5/16
SPU 12	SPU 3/8
	SPU 1/2

SPUM NEW! Union Straight

MODEL〔ØD〕	
Tube(Metric)	Tube(Inch)
SPUM 04	SPUM 5/32
SPUM 06	SPUM 3/16
SPUM 08	SPUM 1/4
SPUM 10	SPUM 5/16
SPUM 12	SPUM 3/8
	SPUM 1/2

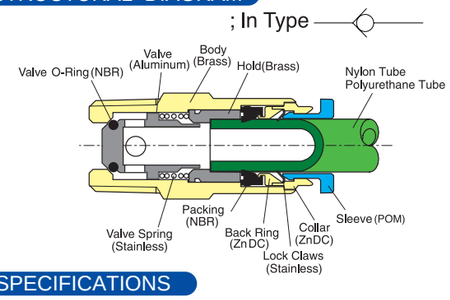
CHECK VALVES

FEATURES

- Check Valves only permit the uni-directional airflow at a constant pressure and prevent the airflow in the opposite direction.
- Check Valves allow the pneumatic connections under low operating pressure conditions.

STRUCTURAL DIAGRAM

; In Type



SPECIFICATIONS

Compatible Fluid type	Air(No other gases or liquids)	
Operating Pressure Range	0~150PSI	0~9kgf/cm²(0~900kPa)
Negative Pressure	-29.5inHg	-750mmHg(10Torr)
Operating Temperature Range	32~140°F	0~60℃
Recommanded Tube Material	Polyurethane and Nylon	

PCVU Union Straight

MODEL〔ØD〕	
Tube(Metric)	Tube(Inch)
PCVU 04	PCVU 5/32
PCVU 06	PCVU 3/16
PCVU 08	PCVU 1/4
PCVU 10	PCVU 5/16
PCVU 12	PCVU 3/8
	PCVU 1/2

PCVC Straight

MODEL〔ØD–T–A/B〕		
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)	
PCVC 04-M5	PCVC 5/32-U10U	PCVC 1/2-N03U
PCVC 04-M6	PCVC 5/32-N01U	PCVC 1/2-N04U
PCVC 04-01	PCVC 3/16-U10U	
PCVC 06-01	PCVC 3/16-N01U	
PCVC 06-02	PCVC 3/16-N02U	
PCVC 08-01	PCVC 1/4-N01U	
PCVC 08-02	PCVC 1/4-N02U	
PCVC 10-03	PCVC 5/16-N01U	
PCVC 10-04	PCVC 5/16-N02U	
PCVC 12-03	PCVC 3/8-N03U	
PCVC 12-04	PCVC 3/8-N04U	

PCVC-G Straight

MODEL〔ØD–T〕
Tube(Metric)-Thread(G)
PCVC 04-G01
PCVC 06-G01
PCVC 06-G02
PCVC 08-G01
PCVC 08-G02
PCVC 10-G03
PCVC 10-G04
PCVC 12-G03
PCVC 12-G04

PCVF Bush

MODEL〔T1–T2–A/B〕	
Thread(R)-Thread(Rc)	Thread(NPT)-Thread(NPT)
PCVF 01-01	PCVF N01-N01U
PCVF 02-02	PCVF N02-N02U
PCVF 03-03	PCVF N03-N03U
PCVF 04-04	PCVF N04-N04U

PCVF-G Bush

MODEL〔T1–T2〕
Thread(G)-Thread(G)
PCVF G01-G01
PCVF G02-G02
PCVF G03-G03
PCVF G04-G04

PRODUCT CODE SYSTEM

PCVC	06	_	01	A	
①	②		③	④	⑤

①Type

②Tube Dia(ØD)

	Metric Size					Inch Size					
Code	04	06	08	10	12	5/32	3/16	1/4	5/16	3/8	1/2
Dia	Ø4	Ø6	Ø8	Ø10	Ø12	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2

③Thread Size(T)

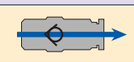
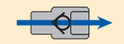
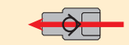
* Metric Thread & R(PT) Thread

	Metric Size		Taper Pipe Size			
Code	M5	M6	01	02	03	04
Size	M5×0.8	M6×1.0	R1/8	R1/4	R3/8	R1/2

*Inch Thread (UNF & NPT)

	Unified Fine Thread	American Standard Taper pipe Thread			
Code	U10U	N01U	N02U	N03U	N04U
Size	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2

④Control Method

Type	Meter IN	Meter OUT
Air Flow	Thread to Tube	Tube to Thread
PCVC		
PCVF		
PCVU		In case of PCVU model, you should pipe accoring to signal of the body.

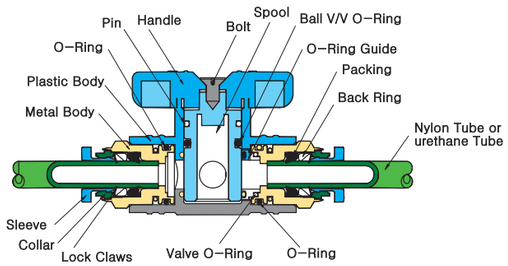
⑤U : Hexagon flat-to-flat inch specification.(NPT)

BALL VALVES

FEATURES

- Ball Valves are suitable for pneumatic applications in the completely open or closed positions.
- Depending on application conditions, the highly inert PPS resin body construction allows air or water services.
- The sectional dimension of the compact body in proportional to the tube size optimizes flow and efficiency.
- Specially designed handle enables increased turning leverage for easy opening and closing.

STRUCTURAL DIAGRAM



SPECIFICATIONS

Compatible Fluid type	Air & Water	
Operating Pressure Range	0~150PSI	0~9Kgf/㎠(0~900kPa)
Negative pressure	-29.5in Hg	-750mmHg(10Torr)
Operating Temperature Range	32~140° F	0~60°C
Recommended Tube Material	Polyurethane and Nylon	

PRODUCTS CODE SYSTEM

BC (①) 2O (②) – O8 (③) O2 (④)

①Type

②Effective Sectional area

	Metric Size	
Code	20	60
Size	20㎟	60㎟

③Tube Dia(ØD)

	Metric Size			
Code	06	08	10	12
Size	Ø6	Ø8	Ø10	Ø12

④Thread Size(T)

*R (PT)Thread

	Taper Pipe Thread			
Code	01	02	03	04
Size	R1/8	R1/4	R3/8	R1/2

*Inch Thread (NPT)

	American Standard Taper pipe Thread			
Code	N01U	N02U	N03U	N04U
Size	NPT1/8	NPT1/4	NPT3/8	NPT1/2

⑤U : Hexagon flat-to-flat inch specification.(NPT)

20 Series

BUC Union / **BUG** Reducing Union

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
BUC 20-0606	BUC 20 1/4-1/4
BUC 20-0808	BUC 20 5/16-5/16
BUG 20-0806	BUG 20 5/16-1/4

BM Bulkhead Union

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
BM 20-0606	BM 20 1/4-1/4
BM 20-0806	BM 20 5/16-1/4
BM 20-0808	BM 20 5/16-5/16

BL Elbow

MODEL〔ØD-T〕	
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
BL 20-0601	BL 20 1/4-N1/8
BL 20-0602	BL 20 1/4-N1/4
BL 20-0603	BL 20 1/4-N3/8
BL 20-0801	BL 20 5/16-N1/8
BL 20-0802	BL 20 5/16-N1/4
BL 20-0803	BL 20 5/16-N3/8

BC Straight

MODEL〔ØD-T〕	
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
BC 20-0601	BC 20 1/4-N1/8
BC 20-0602	BC 20 1/4-N1/4
BC 20-0603	BC 20 1/4-N3/8
BC 20-0801	BC 20 5/16-N1/8
BC 20-0802	BC 20 5/16-N1/4
BC 20-0803	BC 20 5/16-N3/8

60 Series

BUL Union Elbow / **BLG** Reducing Union Elbow

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
BUL 20-0606	BUL 20 1/4-1/4
BUL 20-0808	BUL 20 5/16-5/16
BLG 20-0608	BLG 20 1/4-5/16
BLG 20-0806	BLG 20 5/16-1/4

BLM Bulkhead Union Elbow

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
BLM 20-0606	BLM 20 1/4-1/4
BLM 20-0806	BLM 20 5/16-1/4
BLM 20-0808	BLM 20 5/16-5/16

BUC Union / **BUG** Reducing Union

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
BUC 60-1010	BUC 60 3/8-3/8
BUC 60-1212	BUC 60 1/2-1/2
BUG 60-1210	BUG 60 1/2-3/8

BM Bulkhead Union

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
BM 60-1010	BM 60 3/8-3/8
BM 60-1210	BM 60 1/2-3/8
BM 60-1212	BM 60 1/2-1/2

BL Elbow

MODEL〔ØD-T〕	
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
BL 60-1002	BL 60 3/8-N1/4
BL 60-1003	BL 60 3/8-N3/8
BL 60-1004	BL 60 3/8-N1/2
BL 60-1202	BL 60 1/2-N1/4
BL 60-1203	BL 60 1/2-N3/8
BL 60-1204	BL 60 1/2-N1/2

BC Straight

MODEL〔ØD-T〕	
Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
BC 60-1002	BC 60 3/8-N1/8
BC 60-1003	BC 60 3/8-N1/4
BC 60-1004	BC 60 3/8-N1/2
BC 60-1202	BC 60 1/2-N1/8
BC 60-1203	BC 60 1/2-N1/4
BC 60-1204	BC 60 1/2-N1/2

BUL Union Elbow / **BLG** Reducing Union Elbow

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
BUL 60-1010	BUL 60 3/8-3/8
BUL 60-1212	BUL 60 1/2-1/2
BLG 60-1012	BLG 60 3/8-1/2
BLG 60-1210	BLG 60 1/2-3/8

BLM Bulkhead Union Elbow

MODEL〔ØD1-ØD2〕	
Tube(Metric)	Tube(Inch)
BLM 60-1010	BLM 60 3/8-3/8
BLM 60-1210	BLM 60 1/2-3/8
BLM 60-1212	BLM 60 1/2-1/2

Fittings with G Thread(O-Ring)

20 Series

BL-G Elbow

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
BL 20-06G01
BL 20-06G02
BL 20-06G03
BL 20-08G01
BL 20-08G02
BL 20-08G03

BC-G Straight

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
BC 20-06G01
BC 20-06G02
BC 20-06G03
BC 20-08G01
BC 20-08G02
BC 20-08G03

60 Series

BL-G Elbow

MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
BL 60-10G02
BL 60-10G03
BL 60-10G04
BL 60-12G02
BL 60-12G03
BL 60-12G04

BC-G Straight

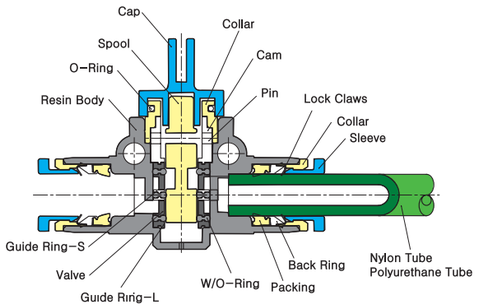
MODEL〔ØD-T〕
Tube(Metric)-Thread(G)
BC 60-10G02
BC 60-10G03
BC 60-10G04
BC 60-12G02
BC 60-12G03
BC 60-12G04

HAND VALVES

FEATURES

- The Hand Valves are designed to regulate air flow manually.
- When closed, the three-way control valve prevents in-coming air and discharges the residual air on the output side.
- Hand Valves are useful in checking or repairing the devices in a safe manner.

STRUCTURAL DIAGRAM



SPECIFICATIONS

Compatible Fluid type	Air(No other gases or liquids)	
Operating Pressure Range	0~150PSI	0~9Kgf/㎠(0~900kPa)
Negative pressure	-29.5 in Hg	-750mmHg(10Torr)
Operating Temperature Range	32~140° F	0~60° C
Recommended Tube Material	Polyurethane and Nylon	

PRODUCTS CODE SYSTEM

HVFS ① O6 ② – O1 ③

①Model Type

②Tube Dia(ØD)

	Metric Size			
Code	06	08	10	12
Dia	Ø6	Ø8	Ø10	Ø12

③Thread Size(R)

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

HVSS Nipple

MODEL〔T1-T2〕
Thread(R)
HVSS 01-01
HVSS 02-01
HVSS 02-02
HVSS 03-02
HVSS 03-03
HVSS 04-03
HVSS 04-04

HVSS-G Nipple

MODEL〔T-T〕
Male Thread(G) - Male Thread(G)
HVSS G01-G01
HVSS G02-G01
HVSS G02-G02
HVSS G03-G02
HVSS G03-G03
HVSS G04-G03
HVSS G04-G04

HVFS Straight Fitting-Thread

MODEL〔ØD-T〕	
Tube(Metric)-Thread(R)	
HVFS 06-01	HVFS 12-04
HVFS 06-02	
HVFS 06-03	
HVFS 08-01	
HVFS 08-02	
HVFS 08-03	
HVFS 10-02	
HVFS 10-03	
HVFS 10-04	
HVFS 12-02	
HVFS 12-03	

HVFS-G Straight Fitting-G Thread

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
HVFS 06-G01	HVFS 12-G04
HVFS 06-G02	
HVFS 06-G03	
HVFS 08-G01	
HVFS 08-G02	
HVFS 08-G03	
HVFS 10-G02	
HVFS 10-G03	
HVFS 10-G04	
HVFS 12-G02	
HVFS 12-G03	

HSV(M) Nipple Slide Type

MODEL〔T〕
Thread(R)
HSV-M-M5
HSV-M-1/8
HSV-M-1/4
HSV-M-3/8
HSV-M-1/2
HSV-M-3/4

HVSF Straight Thread-Fitting

MODEL〔ØD-T〕	
Tube(Metric)-Thread(R)	
HVSF 06-01	HVSF 12-04
HVSF 06-02	
HVSF 06-03	
HVSF 08-01	
HVSF 08-02	
HVSF 08-03	
HVSF 10-02	
HVSF 10-03	
HVSF 10-04	
HVSF 12-02	
HVSF 12-03	

HVSF-G Straight G Thread-Fitting

MODEL〔ØD-T〕	
Tube(Metric)-Thread(G)	
HVSF 06-G01	HVSF G12-04
HVSF 06-G02	
HVSF 06-G03	
HVSF 08-G01	
HVSF 08-G02	
HVSF 08-G03	
HVSF 10-G02	
HVSF 10-G03	
HVSF 10-G04	
HVSF 12-G02	
HVSF 12-G03	

HVFF Union Straight

MODEL〔ØD1-ØD2〕
Tube(Metric)
HVFF 06-06
HVFF 08-06
HVFF 08-08
HVFF 10-10
HVFF 12-10
HVFF 12-12

AIR GUN

FEATURES

- Available in 3 different nozzle lengths
- Easy to consistently regulate the variable air flow
- Ergonomically designed and lightweight
- Impact resistant plastic body

SPECIFICATIONS

Compatible Fluid type	Air (No other gases or liquids)	
Operating Pressure Range	15~150PSI	0~9Kgf/㎠(0~900kPa)
Operating Temperature Range	32~140°F	0~60°C

PRODUCT CODE SYSTEM

AG ① – 08 ② – 02 ③ – S ④ – B ⑤

①Model Type

②Tube Dia(ØD)

	Metric Size	
Code	08	10
Dia	Ø8	Ø10

③Thread Size(RC)

	Metric Size	
Code	02	03
Dia	Rc1/4	Rc3/8

④Type

	Metric Size					
	Nozzle			Nozzle-Coupler		
Type	S	M	L	SP	MP	LP
Size	Short	Medium	Long	Short	Medium	Long

⑤Color

B	R	BU
Black	Red	Blue

AG-S Short

MODEL〔T〕
Tube(Metric)-Thread(Rc)-Nozzle
AG 0802S
AG 1002S
AG 1003S

AG-M Medium

MODEL〔T〕
Tube(Metric)-Thread(Rc)-Nozzle
AG 0802M
AG 1002M
AG 1003M

AG-L Long

MODEL〔T〕
Tube(Metric)-Thread(Rc)-Nozzle
AG 0802L
AG 1002L
AG 1003L

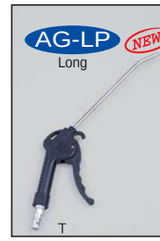
AG-SP NEW! Short

MODEL〔T〕
Thread(Rc)-Nozzle-Coupler(Plug)
AG 02SP

AG-MP NEW! Medium

MODEL〔T〕
Thread(Rc)-Nozzle-Coupler(Plug)
AG 02MP

AG-LP NEW! Long



MODEL〔T〕
Thread(Rc)-Nozzle-Coupler(Plug)
AG 02LP

TUBE CUTTER

FEATURES

- A Safe, efficient, accurate tool for cutting tubing squarely

SPECIFICATIONS

Available Tubing	Polyuerthane and Nylon
Cutting Outer Dia	Ø3.0 ~ Ø12.0
Material	Polyacetal, Stainless steel
Standard Color	Blue

PRODUCT CODE SYSTEM

Tube Cutter

①Model Type

TC Tube Cutter

NYLON 11 TUBE

FEATURES

- Nylon 11 tubing is made from a semi-rigid high strength material without plasticizers, to provide better resistance against chemicals, high ambient temperature, and moist absorption.
- High tensile strength of Nylon 11 material provides optimal usage under conditions of high pressure, temperature, and vibration.

APPLICATIONS

- Lubricating Systems
- Marine Controls Systems
- Chemical and Oil Process Lines.
- Medical and Laboratory Industry
- Food Processing Industry

SPECIFICATIONS

Compatible Fluid type	Air (No other gases or liquids)	
Operating Pressure Range	0~150PSI	0~9Kgf/cm²(0~900kPa)
Negative Pressure Range	-29.5inHg	-750mmHg(10Torr)
Operating Temperature Range	5~140°F	-15~60℃

PRODUCT CODE SYSTEM

N (①) – 08 (②) – 60 (③) – O (④)

①Model Type

②③Tube Dia(ØD)

	Metric Size							
Code	0320	0420	0425	0640	0860	1080	1290	1613
Outer Dia	Ø3	Ø4	Ø4	Ø6	Ø8	Ø10	Ø12	Ø16
Inner Dia	Ø2	Ø2	Ø2.5	Ø4	Ø6	Ø8	Ø9	Ø13

	Inch Size							
Code	1/8	5/32	3/16	1/4	5/16	3/8	1/2	5/8
Outer Dia	Ø1/8	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2	Ø5/8

④Color of Tubing

Clear Black Red Blue Yellow Green

POLYURETHANE TUBE

FEATURES

- Polyurethane tubing is made from a high quality polymer that exhibits the characteristics of elasticity and chemical resistance.
- Polyurethane material has the exceptional physical properties of durability and anti-abrasion, yet fiexible and ideal for various critical pneumatic applications.

APPLICATIONS

- Air Tools
- Industrial Robotics
- Pneumatic Systems
- Lubricating Systems

SPECIFICATIONS

Compatible Fluid type	Air (No other gases or liquids)	
Operating Pressure Range	0~150PSI	0~9Kgf/cm²(0~900kPa)
Operating Negative Pressure	-29.5inHg	-750mmHg(10Torr)
Operating Temperature Range	5~140°F	-15~60℃

PRODUCT CODE SYSTEM

U (①) – 08 (②) – 50 (③) – B (④) UC (①) – 08 (②) – 50 (③) – 05 (⑤) – Y (④)

①Model Type

②③Tube Dia(ØD)

	Metric Size									
Code	0320	0420	0425	0640	0850	0855	1065	1280	1290	1611
Outer Dia	Ø3	Ø4	Ø4	Ø6	Ø8	Ø8	Ø10	Ø12	Ø12	Ø16
Inner Dia	Ø2	Ø2	Ø2.5	Ø4	Ø5	Ø5.5	Ø6.5	Ø8	Ø9	Ø11

	Inch Size							
Code	1/8	5/32	3/16	1/4	5/16	3/8	1/2	5/8
Outer Dia	Ø1/8	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2	Ø5/8

④ Color of Tubing

Clear Black Red Blue Yellow Green

⑤ Length(m)

MODEL〔Out-In〕	
Tube(Metric)	Tube(Inch)
N -03020	N 1/8-1.6
N -04020	N 1/8-2.0
N -04025	N 5/32-2.0
N -06040	N 5/32-2.5
N -08060	N 3/16-3.5
N -10080	N 1/4-4.6
N -12090	N 5/16-6.0
	N 3/8-6.9
	N 1/2-9.5

MODEL〔Out-In〕		
Tube(Metric)		Tube(Inch)
U-03020	U-12090	U 1/8-1.6
U-04020	U-16110	U 1/8-2.0
U-04025	U-16120	U 5/32-2.0
U-06040		U 5/32-2.5
U-08050		U 3/16-3.2
U-08055		U 1/4-4.2
U-08060		U 5/16-5.0
U-10065		U 3/8-6.4
U-10070		U 1/2-8.5
U-10075		
U-12080		

MODEL〔Out-Length〕				
Tube(Metric)		Tube(Inch)		
UC-0402-15	UC-1065-50	UC 1/8-2.0-1	UC 3/16-3.2-15	UC 3/8-6.4-5
UC-0402-30	UC-1065-75	UC 1/8-2.0-2	UC 3/16-3.2-20	UC 3/8-6.4-10
UC-0402-45	UC-1065-100	UC 1/8-2.0-5	UC 1/4-4.2-2	UC 3/8-6.4-15
UC-0604-15	UC-1208-35	UC 5/32-2.5-2	UC 1/4-4.2-5	UC 3/8-6.4-20
UC-0604-30	UC-1208-50	UC 5/32-2.5-5	UC 1/4-4.2-10	UC 1/2-8.5-5
UC-0604-45	UC-1208-75	UC 5/32-2.5-10	UC 1/4-4.2-15	UC 1/2-8.5-10
UC-0805-35	UC-1208-100	UC 5/32-2.5-15	UC 1/4-4.2-20	UC 1/2-8.5-15
UC-0805-50		UC 5/32-2.5-20	UC 5/16-5.0-5	UC 1/2-8.5-20
UC-0805-75		UC 3/16-3.2-2	UC 5/16-5.0-10	
UC-0805-100		UC 3/16-3.2-5	UC 5/16-5.0-15	
UC-1065-35		UC 3/16-3.2-10	UC 5/16-5.0-20	

ACE COUPLER

Valve Symbols: One-way shut-off

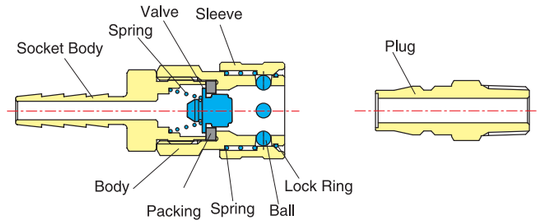
Working Pressure: 15kgf/cm²

Applicable fluids: Air, Water, Oil

FEATURES

- Uni-directional shut-off coupler with an automatic shut-off valve built in the socket.
- Recommended for piping of compressed air connections.

STRUCTURAL DIAGRAM



SPECIFICATIONS

Compatible Fluid type	Air, Water, Oil		
Material	Brass(chrome-plated)	Steel(chrome-plated)	Stainless steel
Working Pressure Range	10kgf/cm²(1000kPa)	10kgf/cm²(1000kPa)	15kgf/cm²(1500kPa)
Maximum Pressure	15kgf/cm²(1500kPa)	20kgf/cm²(2000kPa)	20kgf/cm²(2000kPa)

PRODUCT CODE SYSTEM

C (①) H (②) – 22 (③)

①Model

C	Plug
H	Socket

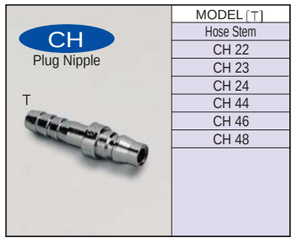
②Type

H	Hose Stem
M	Male Thread
F	Female Thread
N	Hose Nut Type

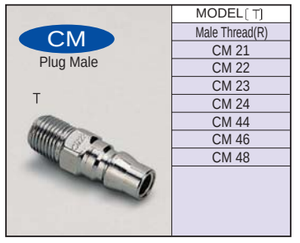
③Thread Size(R)

Size	22	23	24	44	46	48
H	9.0	11.0	15.0	15.0	21.0	27.0
M	R1/4	R3/8	R1/2	R1/2	R3/4	R1
F	Rc1/4	Rc3/8	Rc1/2	Rc1/2	Rc3/4	Rc1

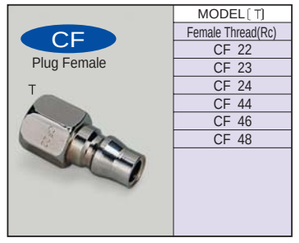
Size	21	22	23	24	25	26
N	8×5	9×6	10×6.5	12×8	125×85	16×11



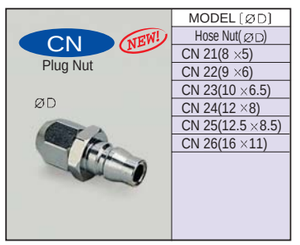
MODEL〔T〕
Hose Stem
CH 22
CH 23
CH 24
CH 44
CH 46
CH 48



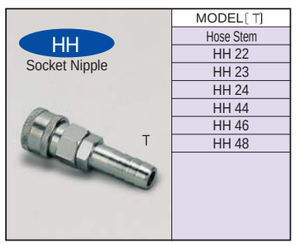
MODEL〔T〕
Male Thread(R)
CM 21
CM 22
CM 23
CM 24
CM 44
CM 46
CM 48



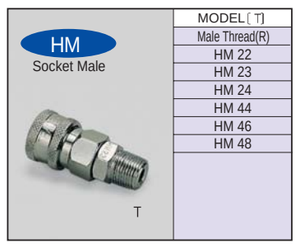
MODEL〔T〕
Female Thread(Rc)
CF 22
CF 23
CF 24
CF 44
CF 46
CF 48



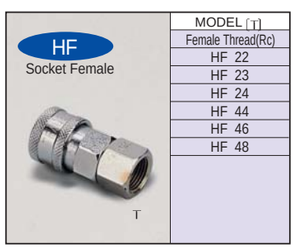
MODEL〔ØD〕
Hose Nut(ØD)
CN 21(8×5)
CN 22(9×6)
CN 23(10×6.5)
CN 24(12×8)
CN 25(12.5×8.5)
CN 26(16×11)



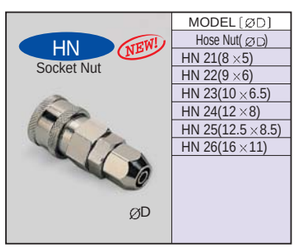
MODEL〔T〕
Hose Stem
HH 22
HH 23
HH 24
HH 44
HH 46
HH 48



MODEL〔T〕
Male Thread(R)
HM 22
HM 23
HM 24
HM 44
HM 46
HM 48



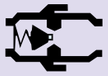
MODEL〔T〕
Female Thread(Rc)
HF 22
HF 23
HF 24
HF 44
HF 46
HF 48



MODEL〔ØD〕
Hose Nut(ØD)
HN 21(8×5)
HN 22(9×6)
HN 23(10×6.5)
HN 24(12×8)
HN 25(12.5×8.5)
HN 26(16×11)

MINOR COUPLER

Valve Symbols | Working Pressure | Applicable fluids

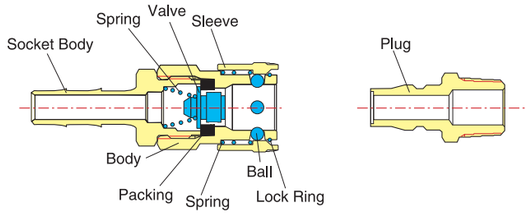


One-way shut-off | 10kgf/cm² | Air

FEATURES

- Light and easy to use it because it's made by zinc.
- Various kind of use is available like as connecting & piping.

STRUCTURAL DIAGRAM



SPECIFICATIONS

Applicable Fluid	Air
Material	ZnDc(chrome~plated)
Working Pressure Range	10kgf/cm²(1000kPa)
Maximum Pressure	15kgf/cm²(1500kPa)

PRODUCT CODE SYSTEM

MC (①) H (②) – 22 (③)

①Model

MC	Plug
MH	Socket

②Type

H	Hose Stem
M	Male Thread
F	Female Thread
N	Hose Nut Type

③Connection Size(R)

Size	22	23	24
H	9.0	11.0	15.0
M	R1/4	R3/8	R1/2
F	Rc1/4	Rc3/8	Rc1/2

Size	21	23	24
N	8 ×5	10 ×6.5	12 ×8

MCH Plug Nipple

MODEL〔T〕
Hose Stem
MCH 22
MCH 23
MCH 24

MCM Plug Male

MODEL〔T〕
Male Thread(Rc)
MCM 22
MCM 23
MCM 24

MCF Plug Female

MODEL〔T〕
Female Thread(R)
MCF 22
MCF 23
MCF 24

MCN Plug Nut

MCN-S Plug Nut Spring

MODEL〔ØD〕
Hose Nut(ØD)
MCN 21(8 ×5)
MCN 23(10 ×6.5)
MCN 24(12 ×8)
MCN S21(8 ×5)
MCN S23(10 ×6.5)
MCN S24(12 ×8)

MHH Socket Nipple

MODEL
Male Thread(R)
MHH 22
MHH 23
MHH 24

MHM Socket Male

MODEL〔T〕
Hoes Stem
MHM 23
MHM 23
MHM 24

MHF Socket Female

MODEL〔T〕
Female Thread(Rc)
MHF 22
MHF 23
MHF 24

MHN Socket Nut

MHN-S Socket Nut Spring

MODEL〔ØD〕
Hose Nut(ØD)
MHN 21(8 ×5)
MHN 23(10 ×6.5)
MHN 24(12 ×8)
MHN S21(8 ×5)
MHN S23(10 ×6.5)
MHN S24(12 ×8)

MLY Branch Y

MODEL〔T〕
Female Thread(Rc)
MLY 22

MLW Branch Triple

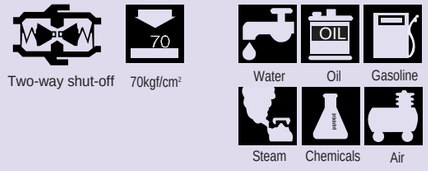
MODEL〔T〕
Female Thread(Rc)
MLW 22

MLR Branch R

MODEL〔T〕
Female Thread(Rc)
MLR 22
MLR 23

HP COUPLER

Valve Symbol | Working Pressure | Applicable fluids

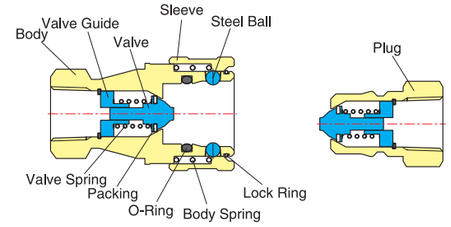


Two-way shut-off | 70kgf/cm²

FEATURES

- Bi-directional shut off coupler with an automatic shut off valve built in the socket and plug.
- Recommended for piping of chemicals, steam and oil.

STRUCTURAL DIAGRAM



SPECIFICATIONS

Compatible Fluid type	Air, Water, Oil, Steam, Medicines, Gasolin (Another way air for Special Order)
Material	Brass
Temperature Range	-20~80℃

PRODUCT CODE SYSTEM

8 (①) H (②)

①Thread Size(Rc)

	Thread Size								
Code	1	2	3	4	6	8	10	12	16
Size	Rc1/8˝	Rc1/4˝	Rc3/8˝	Rc1/2˝	Rc3/4˝	Rc1˝	Rc1¼˝	Rc1½˝	Rc2˝

②Model

C	Plug
H	Socket

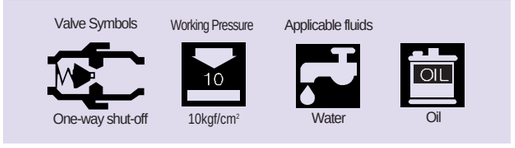
C Plug Female

MODEL〔T〕
Female Thread(Rc)
HP 1C
HP 2C
HP 3C
HP 4C
HP 6C
HP 8C
HP 10C
HP 12C
HP 16C

H Socket Female

MODEL〔T〕
Female Thread(Rc)
HP 1H
HP 2H
HP 3H
HP 4H
HP 6H
HP 8H
HP 10H
HP 12H
HP 16H

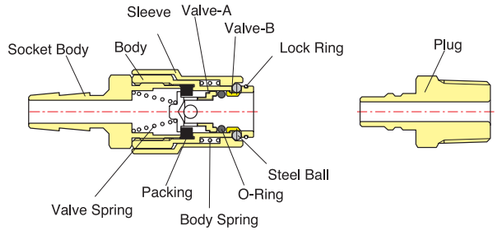
MOLD COUPLER



FEATURES

- Quick assembly by one touch system.
- Uni-directional shut-off coupler with an automatic shut-off valve built in the socket.
- Useful in a narrow space with O.D.(18.5㎜).
- Easy to connect or disconnect between cork and hole with long sleeve construction.

STRUCTURAL DIAGRAM



SPECIFICATIONS

Applicable Fluid	Water, Oil
Material	Brass
Working Pressure Range	10kgf/cm²(1000kPa)
Maximum Pressure	15kgf/cm²(1500kPa)

PRODUCT CODE SYSTEM

KC (①) H (②) – 22 (③)

①Model

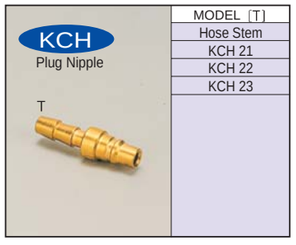
KC	Plug
KH	Socket

②Type

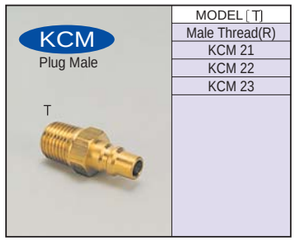
H	Hose Stem
M	Male Thread
F	Female Thread

③Connection Size(R)

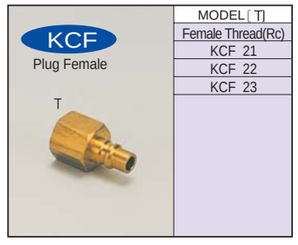
Size	21	22	23
H	1/8″	1/4″	3/8″
M	R1/8	R1/4	R3/8
F	Rc1/8	Rc1/4	Rc3/8



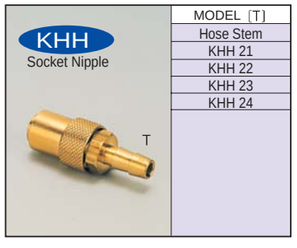
MODEL〔T〕
Hose Stem
KCH 21
KCH 22
KCH 23



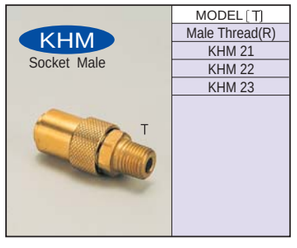
MODEL〔T〕
Male Thread(R)
KCM 21
KCM 22
KCM 23



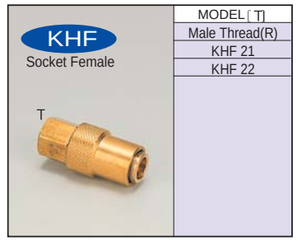
MODEL〔T〕
Female Thread(Rc)
KCF 21
KCF 22
KCF 23



MODEL〔T〕
Hose Stem
KHH 21
KHH 22
KHH 23
KHH 24



MODEL〔T〕
Male Thread(R)
KHM 21
KHM 22
KHM 23



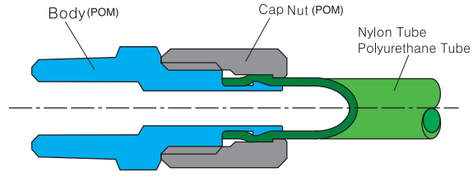
MODEL〔T〕
Male Thread(R)
KHF 21
KHF 22

TWO-TOUCH FITTINGS

FEATURES

- The lock-nut mechanism provides exceptional resistance to vibration and piping movements.
- Proper tightening with the lock-nut ensures pneumatic connections with no air leakage.
- Excellent anti-corrosion and anti-contamination properties against foreign substances.
- The plastic composition has non-magnetic properties with longer product life.

STRUCTURAL DIAGRAM



SPECIFICATIONS

Compatible Fluid type	Air (No other gases or liquids)	
Operating Pressure Range	0~150PSI	0~9.9Kgf/cm²(0~980kPa)
Negative pressure	-29.5in Hg	-750mm Hg(10Torr)
Operating Temperature Range	32~140°F	0~60℃
Recommended Tube Material	Polyurethane	

PRODUCT CODE SYSTEM

TC (①) 04 (②) – 01 (③)

①Model Type

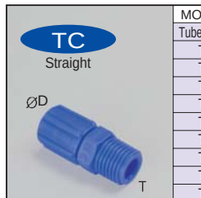
	Metric Size				
Code	TC	TL	TUT	THT	THL
Type	STRAIGHT	ELBOW	UNION	TEE	ELBOW
				ROTATION	

②Tube Dia(ØD)

	Metric Size				
Code	04	06	08	10	12
Dia	ø4 ×ø2.5	ø6 × ø4	ø8 × ø5.5	ø10 ×ø6.5	ø12 ×ø8

③Thread Size(R)

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



MODEL〔ØD–T〕
Tube(Metric)-Thread(R)
TC 04-01
TC 04-02
TC 06-01
TC 06-02
TC 08-01
TC 08-02
TC 08-03
TC 10-02
TC 10-03
TC 12-03
TC 12-04

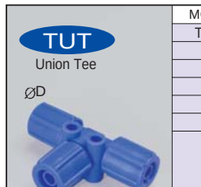
MODEL〔ØD–T〕	
Tube(Metric)-Thread(R)	
THT 0401-D1	THT 1203-D1
THT 0402-D1	THT 1204-D1
THT 0601-D1	
THT 0602-D1	
THT 0801-D1	
THT 0802-D1	
THT 0803-D1	
THT 1002-D1	
THT 1003-D1	
THT 1004-D1	
THT 1202-D1	

MODEL〔ØD–T〕	
Tube(Metric)-Thread(R)	
THL 0401-D1	THL 1203-D1
THL 0402-D1	THL 1204-D1
THL 0601-D1	
THL 0602-D1	
THL 0801-D1	
THL 0802-D1	
THL 0803-D1	
THL 1002-D1	
THL 1003-D1	
THL 1004-D1	
THL 1202-D1	

MODEL〔ØD–T〕
Tube(Metric)-Thread(R)
TL 04-01
TL 04-02
TL 06-01
TL 06-02
TL 08-01
TL 08-02
TL 08-03
TL 10-02
TL 10-03
TL 12-03
TL 12-04

MODEL〔ØD–T〕	
Tube(Metric)-Thread(R)	
THT 0401-D2	THT 1203-D2
THT 0402-D2	THT 1004-D2
THT 0601-D2	
THT 0602-D2	
THT 0801-D2	
THT 0802-D2	
THT 0803-D2	
THT 1002-D2	
THT 1003-D2	
THT 1004-D2	
THT 1202-D2	

MODEL〔ØD–T〕	
Tube(Metric)-Thread(R)	
THL 0401-D2	THL 1203-D2
THL 0402-D2	THL 1204-D2
THL 0601-D2	
THL 0602-D2	
THL 0801-D2	
THL 0802-D2	
THL 0803-D2	
THL 1002-D2	
THL 1003-D2	
THL 1004-D2	
THL 1202-D2	



MODEL〔ØD〕
Tube(Metric)
TUT 04
TUT 06
TUT 08
TUT 10
TUT 12

MODEL〔ØD–T〕	
Tube(Metric)-Thread(R)	
THT 0401-D3	THT 1203-D3
THT 0402-D3	THT 1204-D3
THT 0601-D3	
THT 0602-D3	
THT 0801-D3	
THT 0802-D3	
THT 0803-D3	
THT 1002-D3	
THT 1003-D3	
THT 1004-D3	
THT 1202-D3	

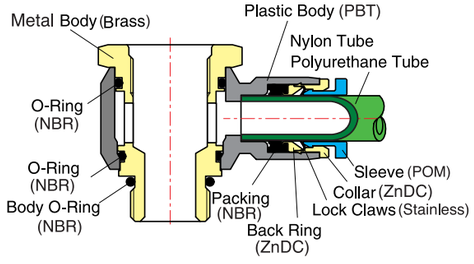
MODEL〔ØD–T〕	
Tube(Metric)-Thread(R)	
THL 0401-D3	THL 1203-D3
THL 0402-D3	THL 1204-D3
THL 0601-D3	
THL 0602-D3	
THL 0801-D3	
THL 0802-D3	
THL 0803-D3	
THL 1002-D3	
THL 1003-D3	
THL 1004-D3	
THL 1202-D3	

MAIN BLOCKS

FEATURES

- Various combinations of manifold blocks may be constructed for concentrated branching.
- Main Blocks provide comparable flow rates to steel piping.

STRUCTURAL DIAGRAM



SPECIFICATIONS

Compatible Fluid type	Air(No other gases or liquids)	
Operating Pressure Range	0~150PSI	0~9.9kgf/cm²(0~990kPa)
Negative Pressure	-29.5inHg	-750mmHg(10Torr)
Operating Temperature Range	32~140°F	0~60℃
Recommanded Tube Material	Polyurethane and Nylon	

PRODUCT CODE SYSTEM

BHF (①) 14 (②) – 08 (③)

①Type

②Connecting Thread Size(R)

	Metric Size			
Code	08	12	14	18
Size	M8 ×1.0	M12 ×1.0	M14 ×1.0	M18 ×1.0

	Thread Size					
Code	M5	M6	01	02	03	04
Size	M5 ×0.8	M6 ×0.1	R1/8	R1/4	R3/8	R1/2

③Tube Outer Dia(ØD)

	Metric Size				
Code	04	06	08	10	12
Dia	Ø04	Ø06	Ø08	Ø10	Ø12

BHF Universal Quick

MODEL〔T–ØD〕
Thread(M)-Tube(Metric)
BHF 0408
BHF 0608
BHF 0612
BHF 0812
BHF 0814
BHF 1014
BHF 1214
BHF 1218

BHMR Universal Rc Thread

MODEL〔T1–T2〕
Thread(M)-Thread(Rc)
BHMR 08M5
BHMR 08M6
BHMR 0801
BHMR 12M6
BHMR 1201
BHMR 1401
BHMR 1402
BHMR 1802
BHMR 1803

BCM Cap

MODEL〔T〕
Thread(M)
BCM 08
BCM 12
BCM 14
BCM 18

BHWF Universal Branch

MODEL〔T–ØD〕
Thread(M)-Tube(Metric)
BHWF 1014
BHWF 1218

BRM Bush

MODEL〔T1–T2〕
Thread(M)-Thread(Rc)
BRM 08M5
BRM 12M6
BRM 1401
BRM 1802

BMF Bulkhead Reducer

MODEL〔T–ØD〕
Thread(M)-Tube(Metric)
BMF 04M8
BMF 06M8
BMF 06M12
BMF 08M12
BMF 08M14
BMF 10M12
BMF 10M14
BMF 12M14
BMF 12M18

BHM Universal M Thread

MODEL〔T1–T2〕
Thread(M)-Thread(M)
BHM 1212
BHM 1412
BHM 1414
BHM 1814
BHM 1818

BMM Bush

MODEL〔T1–T2〕
Thread(M)-Thread(M)
BMM 1208
BMM 1412
BMM 1814

BMR Bush

MODEL〔T1–T2〕
Thread(M)-Thread(R)
BMR 0801
BMR 1201
BMR 1202
BMR 1203
BMR 1402
BMR 1404
BMR 1803
BMR 1804

BUMR Socket

MODEL〔T1–T2〕
Thread(M)-Thread(Rc)
BUMR 0801
BUMR 1202
BUMR 1403
BUMR 1804

BL Elbow

MODEL〔T1–T2〕
Thread(M)-Thread(R)
BL 0801
BL 1201
BL 1202
BL 1402
BL 1403
BL 1404
BL 1803
BL 1804

BPM Plug

MODEL〔T〕
Thread(M)
BPM 08
BPM 12
BPM 14
BPM 18

BUMM Nipple

MODEL〔T〕
Thread(M)
BUMM 0808
BUMM 1212
BUMM 1414
BUMM 1818

SILENCERS

FEATURES

- Silencers are effective in reducing noise generated by the release of pressurized air through the exhaust port.
- The plastic material provides corrosion resistance, light weight, longer product life, low replacement cost, and easy cleaning with soap or solvents.
- A unique design minimizes the interference in relation to the surrounding pneumatic installations.

SPECIFICATIONS

Model / Appilcation	ST-01	ST-02	ST-03	ST-04	STM-02	STM-03
Port	R1/8	R1/4	R3/8	R1/2	R1/4	R3/8
Max Working Pressure	7Kgf/cm² (700kPa)			9Kgf/cm² (900kPa)	7Kgf/cm² (700kPa)	

S T(M) Silencers Black

MODEL〔T〕
Thread(R)
ST 01
ST 02
ST 03
ST 04
ST M02
ST M03

PRODUCT CODE SYSTEM

ST (①) – 01 (②) (③)

①Type(ØD)

	MODEL	
Code	ST	STM
Dia	STANDARD	MANIFOLD

②Thread Size(R)

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

③Color

B
Black