



SANG-A PNEUMATIC CO., LTD.

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Durability
Precision
Reliability
Simplicity
Cost - effectiveness



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.

3 ONE-TOUCH FITTINGS



TUBE SERIES 24

12 COMPACT ONE-TOUCH FITTINGS



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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.

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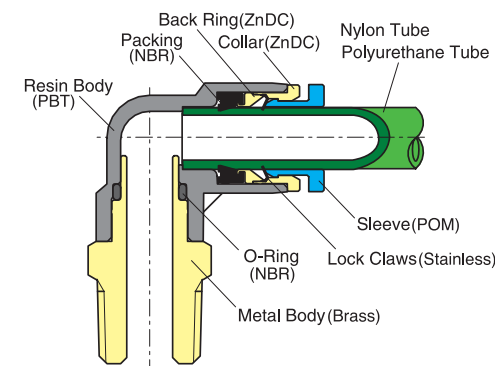


ONE-TOUCH FITTINGS

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.

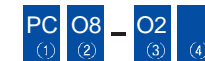
STRUCTURAL DIAGRAM



SPECIFICATIONS

Compatible Fluid type	Air(No other gases or liquids)	
Operating Pressure Range	0~150PSI	0~9Kgf/cm ² (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



① Model Type

② Tube Outer Dia(ØD)

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

③ Thread Size(T)

*Metric Thread & R(PT) Thread

Code	Metric Size		Taper Pipe Thread			
	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)

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

④ U : 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 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 04-M6	POC 08-03	POC 1/4-02		POC 5/16-N02U
	POC 04-01	POC 08-04	POC 5/16-01		POC 5/32-N01U
	POC 04-02	POC 10-01	POC 5/16-02		POC 3/8-N01U
	POC 04-03	POC 10-02	POC 5/16-03		POC 5/32-N02U
	POC 06-M5	POC 10-03	POC 3/8-02		POC 3/16-U10U
	POC 06-M6	POC 10-04	POC 3/8-03		POC 3/8-N02U
	POC 06-01	POC 12-01	POC 3/8-04		POC 3/16-N01U
	POC 06-02	POC 12-02			POC 3/8-N04U
	POC 06-03	POC 12-03			POC 3/16-N02U
	POC 08-01	POC 12-04			POC 1/2-N02U
					POC 1/4-U10U
					POC 1/2-N03U

*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.

<div><div>PWT</div><div>Male Y</div><div></div><div>ØD</div></div>	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.


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.

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/


<div>PTF</div> <div>Female Branch Tee</div> 	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	

<div>POL</div> <div>Hex. Holed Banjo</div> 	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.


<div>PLL</div> <div>Extended Male Elbow</div> 	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.


<div>PLLP</div> <div>Union Straight</div> 	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.


<div>PUC</div> <div>Union Straight</div> 	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


<div>PUL</div> <div>Union Elbow</div> 	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


<div>PUT</div> <div>Union Tee</div> 	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


<div>PY</div> <div>Union Y</div> 	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


<div>PG</div> <div>Reducer</div> 	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	


<div>PUG</div> <div>Different Diam Union Tee</div> 	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	


<div>PW</div> <div>Reducer Y</div> 	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


<div>PZA</div> <div>Union Cross</div> 	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


<div>PMM</div> <div>Bulkhead Union</div> 	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

<div>PPM</div> <div>Bulkhead Union P</div> 	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	

<div>PLM</div> <div>Bulkhead Union P</div> 	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	


<div>PCP</div> <div>Straight Ace Coupler Plug</div> 	MODEL [øD]	
	Tube(Metric)	Tube(Inch)
	PCP 04	
	PCP 06	
	PCP 08	
	PCP 10	
	PCP 12	
	PCP 16	


<div>PA</div> <div>Dual Male Banjo</div> 	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


<div>PAF</div> <div>Dual Female Banjo</div> 	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.


*Rotating body construction after a proper installation.


<div>PGJ</div> <div>Plug-In Reducer</div> 	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


<div>PLJ</div> <div>Plug-In Elbow</div> 	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 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 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 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 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 04-01	PXT 5/32-N01
	PXT 04-02	PXT 5/32-N02
	PXT 06-01	PXT 1/4-N01
	PXT 06-02	PXT 1/4-N02
		Tube(Inch)-Thread(R)
		PXT 1/4-R01
		PXT 1/4-R02


 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

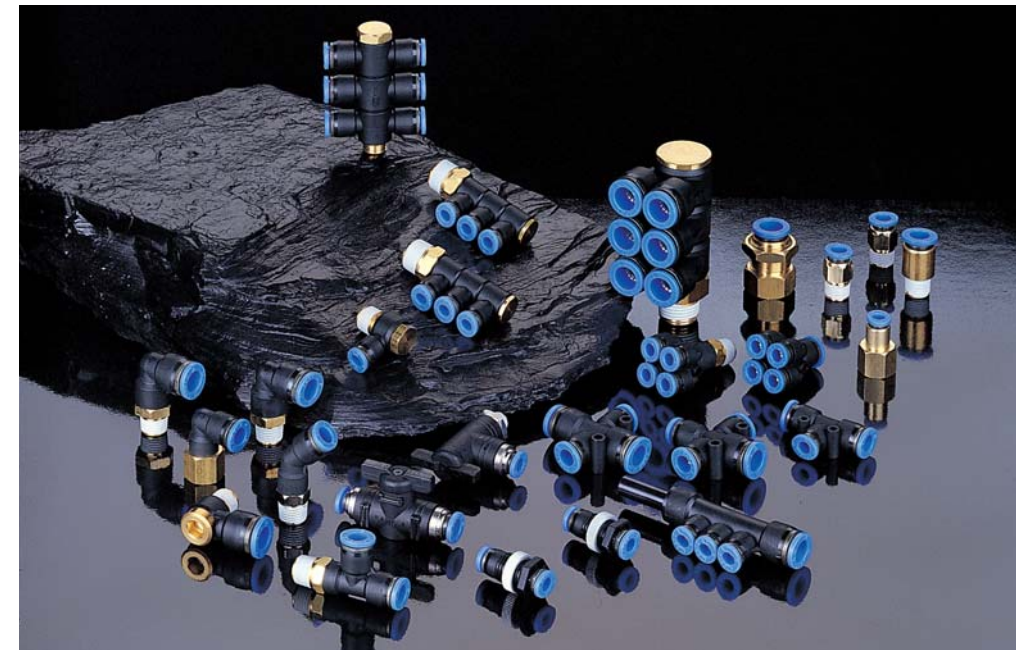
*Rotating body construction after a proper installation.

 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 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 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






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 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	

 <p>PST-G Male Run Tee</p> <p>øD</p>  <p>T</p>	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		

 <p>T</p> <p>ØD</p>	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 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 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 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 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 Dual Female Banjo	MODEL (øD-T) Tube(Metric)-Thread(G)	
	PAF 06-G01	
	PAF 08-G02	
	PAF 10-G03	
	PAF 12-G04	

PMF-G 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 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 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	

PLL-PG Extended Male Elbow	MODEL (øD-T) Tube(Metric)-Thread(G)	
	PLL-P 04-G01	PLL-P 10-G01
	PLL-P 04-G02	PLL-P 10-G02
	PLL-P 04-G03	PLL-P 10-G03
	PLL-P 06-G01	PLL-P 10-G04
	PLL-P 06-G02	PLL-P 12-G01
	PLL-P 06-G03	PLL-P 12-G02
	PLL-P 06-G04	PLL-P 12-G03
	PLL-P 08-G01	PLL-P 12-G04
	PLL-P 08-G02	
	PLL-P 08-G03	
	PLL-P 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-G03(2)	
	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) Single Universal Tee	MODEL (T) Thread(G)	
	PGB G01(1)	
	PGB G02(1)	
	PGB G03(1)	
	PGB G04(1)	

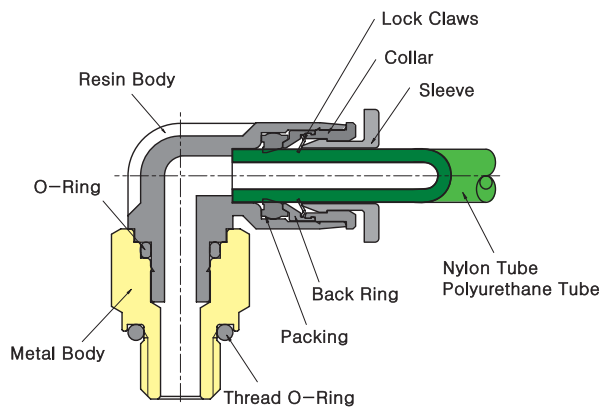
  T	MODEL(T)
	Thread(G)
	PGB G01(2)
	PGB G02(2)
	PGB G03(2)
	PGB G04(2)

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/cm ² (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 O6 - O1 C

① Model Type

② Tube 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

③ Thread Size(T)

* Metric Thread & R(PT) Thread

	Metric Size			
Code	M3	M5	M6	O1
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

④ C=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 04-01C	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 06-01C	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
 PMM-C Bulkhead Union	MODEL [ØD]	
	Tube(Metric)	Tube(Inch)
	PMM 03C	PMM 1/8C
	PMM 04C	
 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
 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
 PYJ-C Plug-In Y	MODEL [ØD]	
	Tube(Metric)	Tube(Inch)
	PYJ 03C	PYJ 1/8C
	PYJ 04C	PYJ 5/32C
 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
 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 06-04C	PP 5/32C PP 1/4C
 PLM-C Bulkhead Union P	MODEL [ØD]	
	Tube(Metric)	Tube(Inch)
	PLM 03C	
	PLM 04C	
 POC-C(G) Round Male Straight	MODEL [ØD-T]	
	Tube(Metric)-Thread(G)	
	POC 04G-01C	
	POC 06G-01C	

SPEED CONTROLLERS

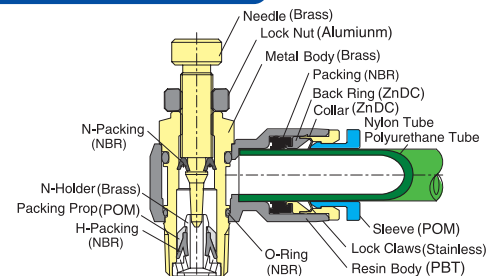
FEATURES

- 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	0~9Kg f/cm ² (0~800kPa)
Check valve operating pressure	7.5PSI	0.5Kg f/cm ² (50k Pa)
Operating Temperature Range	32~140°F	0~60°C
Recommended Tube Material	Polyurethane and Nylon	

STRUCTURAL DIAGRAM



PRODUCTS CODE SYSTEM

NSE	08	02	0	U
(1)	(2)	(3)	(4)	(5)

① Model Type

② Tube Outer Dia($\varnothing D$)

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

③ Thread Size(T)

*Metric Thread & R(PT) Thread

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







*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	
	Standard Blue	Compact Black	Standard Red	Compact Red
Sleeve				
Symbol				

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

 <p>NSE Elbow</p>	MODEL [$\varnothing D$ -T]			
	Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)	
	NSE 04-M5	NSE 10-02	NSE 1/4-M5	NSE 5/16-N01U
	NSE 04-01	NSE 10-03	NSE 1/4-01	NSE 5/32-N01U
	NSE 04-02	NSE 10-04	NSE 1/4-02	NSE 5/16-N02U
	NSE 06-M5	NSE 12-02	NSE 1/4-03	NSE 5/16-N03U
	NSE 06-01	NSE 12-03	NSE 1/4-04	NSE 5/16-N04U
	NSE 06-02	NSE 12-04	NSE 5/16-01	NSE 3/8-N02U
	NSE 06-03		NSE 5/16-02	NSE 3/8-N03U
	NSE 08-01		NSE 5/16-03	NSE 3/8-N04U
	NSE 08-02		NSE 1/4-U10U	NSE 1/2-N03U
	NSE 08-03		NSE 3/8-02	NSE 1/4-N01U
	NSE 08-04		NSE 3/8-03	NSE 1/4-N02U
				NSE 1/2-N04U
				NSE 1/4-N03U
				NSE 5/16-N01U
 <p>NSE-G Elbow G-Thread</p>	MODEL [$\varnothing D$ -T]			
	Tube(Metric)-Thread(G)			
	NSE 04-G01	NSE 10-G01	NSE 5/16-G01	NSE 12-G01
	NSE 04-G02	NSE 10-G02	NSE 5/16-G02	NSE 12-G02
	NSE 06-G01	NSE 12-G01	NSE 5/16-G03	NSE 12-G03
	NSE 06-G02		NSE 5/16-G04	NSE 12-G04
	NSE 06-G03		NSE 3/8-N02U	
	NSE 08-G01		NSE 3/8-N03U	
	NSE 08-G02		NSE 3/8-N04U	
	NSE 08-G03		NSE 1/2-N03U	
	NSE 08-G04		NSE 1/2-N04U	
	NSE 10-G02			
	NSE 10-G03			
 <p>NSS Straight</p>	MODEL [$\varnothing D$ -T]			
	Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)	
	NSS 04-M5	NSS 10-02	NSS 1/4-M5	NSS 5/16-N02U
	NSS 04-01	NSS 10-03	NSS 1/4-01	NSS 5/32-N01U
	NSS 04-02	NSS 10-04	NSS 1/4-02	NSS 5/16-N03U
	NSS 06-M5	NSS 12-02	NSS 1/4-03	NSS 5/16-N04U
	NSS 06-01	NSS 12-03	NSS 1/4-04	NSS 5/16-N01U
	NSS 06-02	NSS 12-04	NSS 5/16-01	NSS 3/8-N02U
	NSS 06-03		NSS 5/16-02	NSS 3/8-N03U
	NSS 08-01		NSS 5/16-03	NSS 3/8-N04U
	NSS 08-02		NSS 1/4-U10U	NSS 1/2-N03U
	NSS 08-03		NSS 3/8-02	NSS 1/4-N01U
	NSS 08-04		NSS 3/8-03	NSS 1/4-N02U
				NSS 1/2-N04U
				NSS 1/4-N03U
				NSS 5/16-N01U
 <p>NSF Union Straight</p>	MODEL [$\varnothing D$]			
	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		
 <p>NSE-C Mini Elbow</p>	MODEL [$\varnothing D$ -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			
 <p>NSF-C Mini Union Straight</p>	MODEL [$\varnothing D$]			
	Tube(Metric)			
	NSF 03C			

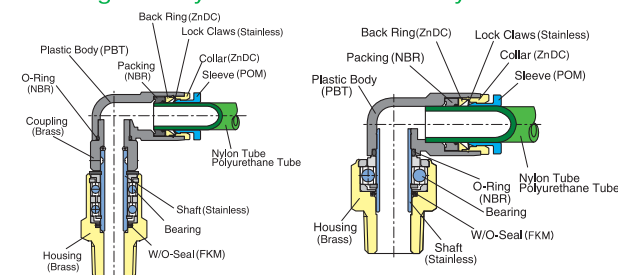
ROTARY JOINTS

FEATURES

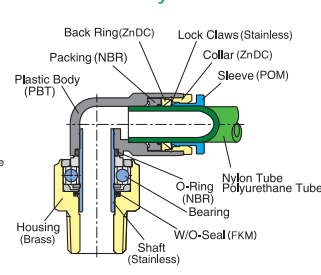
- Two embedded bearings better accommodate high speed rotation and swinging of pneumatic connections.
- Built in bearing accommodates the rotation and swinging of pneumatic connections.
- Rotary joints are constructed to fairly withstand the vibration or tubing movements.

STRUCTURAL DIAGRAM

▼ High Rotary Joint



▼ Rotary Joint



NUMBER OF ROTATION

Model	NHRC, NHRL, NHRS, NHRF				
Tube Dia	ø4	ø6	ø8	ø10	ø12
r. p. m	1500	1200	1200	1000	1000

Model	NRC, NRL				
Tube Dia	ø4	ø6	ø8	ø10	ø12
r. p. m	500	500	400	300	250

SPECIFICATIONS

Compatible Fluid Type	Air(No other gases or liquids)	
Pressure Range	0~150PSI	0~9kgf/cm ² (0~900kPa)
Negative Pressure	-29.5inHg	-750mmHg(10Torr)
Temperature Range	32~140°F	0~60°C
Recommended Tube Material	Polyurethane and Nylon	

PRODUCT CODE SYSTEM

NHRC	06	01	
(1)	(2)	(3)	(4)

① Model Type

② Tube 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

③ Thread Size(T)

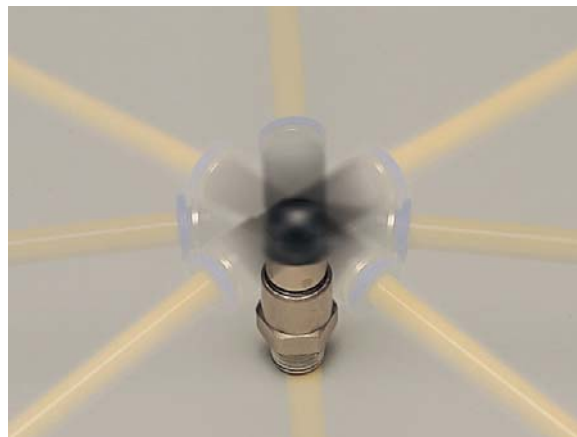
* Metric Thread & R(PT) Thread


	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


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




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	


NHFR Bush	MODEL [T1-T2]			
	Thread(R)-Thread(Rc)		Thread(NPT)-Thread(NPT)	
	NHFR 01-01		NHFR N01-N01U	
	NHFR 01-02		NHFR N01-N02U	
	NHFR 02-01		NHFR N02-N01U	
	NHFR 02-02		NHFR N02-N02U	
	NHFR 03-03		NHFR N03-N03U	
	NHFR 03-04		NHFR N03-N04U	
	NHFR 04-03		NHFR N04-N03U	
	NHFR 04-04		NHFR N04-N04U	


Fittings with G Thread(O-Ring)

NHRC-G Straight	MODEL [øD-T]			
	Tube(Metric)-Thread(G)	Tube(Inch)-Thread(G)	Tube(Inch)-Thread(NPT)	
	NHRC 04-G01		NHRC 5/32-U10U	NHRC 1/2-N03U
	NHRC 06-G01		NHRC 5/32-N01U	NHRC 1/2-N04U
	NHRC 06-G02		NHRC 3/16-N01U	
	NHRC 08-G01		NHRC 3/16-N02U	
	NHRC 08-G02		NHRC 1/4-N01U	
	NHRC 08-G03		NHRC 1/4-N02U	
	NHRC 10-G03		NHRC 5/16-N01U	
	NHRC 10-G04		NHRC 5/16-N02U	
	NHRC 12-G03		NHRC 5/16-N03U	
	NHRC 12-G04		NHRC 3/8-N03U	
			NHRC 3/8-N04U	

NHRS-G Nipple	MODEL [øD-T]			
	Tube(Metric)-Thread(G)	Tube(Inch)-Thread(G)	Tube(Inch)-Thread(NPT)	
	NHRS 04-G01		NHRS 5/32-U10U	NHRS 1/2-N03U
	NHRS 06-G01		NHRS 5/32-N01U	NHRS 1/2-N04U
	NHRS 06-G02		NHRS 3/16-N01U	
	NHRS 08-G01		NHRS 3/16-N02U	
	NHRS 08-G02		NHRS 1/4-N01U	
	NHRS 08-G03		NHRS 1/4-N02U	
	NHRS 10-G03		NHRS 5/16-N01U	
	NHRS 10-G04		NHRS 5/16-N02U	
	NHRS 12-G03		NHRS 5/16-N03U	
	NHRS 12-G04		NHRS 3/8-N03U	
			NHRS 3/8-N04U	

NRC-G Straight	MODEL [øD-T]			
	Tube(Metric)-Thread(G)	Tube(Inch)-Thread(G)	Tube(Inch)-Thread(NPT)	
	NRC 04-G01		NRC 5/32-U10U	NRC 1/2-N03U
	NRC 06-G01		NRC 5/32-N01U	NRC 1/2-N04U
	NRC 06-G02		NRC 3/16-N01U	
	NRC 08-G01		NRC 3/16-N02U	
	NRC 08-G02		NRC 1/4-N01U	
	NRC 08-G03		NRC 1/4-N02U	
	NRC 10-G03		NRC 5/16-N01U	
	NRC 10-G04		NRC 5/16-N02U	
	NRC 12-G03		NRC 5/16-N03U	
	NRC 12-G04		NRC 3/8-N03U	
			NRC 3/8-N04U	

NHRL-G Elbow	MODEL [øD-T]			
	Tube(Metric)-Thread(G)	Tube(Inch)-Thread(G)	Tube(Inch)-Thread(NPT)	
	NHRL 04-G01		NHRL 5/32-U10U	NHRL 1/2-N03U
	NHRL 06-G01		NHRL 5/32-N01U	NHRL 1/2-N04U
	NHRL 06-G02		NHRL 3/16-N01U	
	NHRL 08-G01		NHRL 3/16-N02U	
	NHRL 08-G02		NHRL 1/4-N01U	
	NHRL 08-G03		NHRL 1/4-N02U	
	NHRL 10-G03		NHRL 5/16-N01U	
	NHRL 10-G04		NHRL 5/16-N02U	
	NHRL 12-G03		NHRL 5/16-N03U	
	NHRL 12-G04		NHRL 3/8-N03U	
			NHRL 3/8-N04U	

NHFR-G Bush	MODEL [T1-T2]			
	Thread(R)-Thread(Rc)	Thread(NPT)-Thread(NPT)	Thread(NPT)-Thread(NPT)	
	NHFR 01-01		NHFR N01-N01U	
	NHFR 01-02		NHFR N01-N02U	
	NHFR 02-01		NHFR N02-N01U	
	NHFR 02-02		NHFR N02-N02U	
	NHFR 03-03		NHFR N03-N03U	
	NHFR 03-04		NHFR N03-N04U	
	NHFR 04-03		NHFR N04-N03U	
	NHFR 04-04		NHFR N04-N04U	

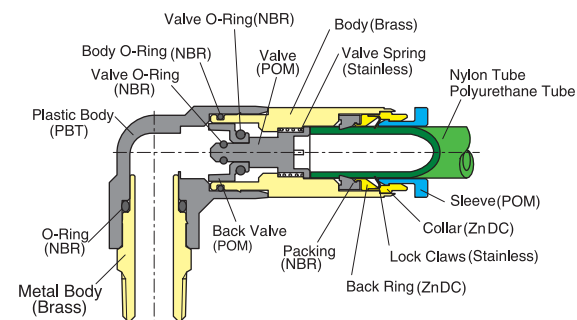
NRL-G Elbow	MODEL [øD-T]			
	Tube(Metric)-Thread(G)	Tube(Inch)-Thread(G)	Tube(Inch)-Thread(NPT)	
	NRL 04-G01		NRL 5/32-U10U	NRL 1/2-N03U
	NRL 06-G01		NRL 5/32-N01U	NRL 1/2-N04U
	NRL 06-G02		NRL 3/16-N01U	
	NRL 08-G01		NRL 3/16-N02U	
	NRL 08-G02		NRL 1/4-N01U	
	NRL 08-G03		NRL 1/4-N02U	
	NRL 10-G03		NRL 5/16-N01U	
	NRL 10-G04		NRL 5/16-N02U	
	NRL 12-G03		NRL 5/16-N03U	
	NRL 12-G04		NRL 3/8-N03U	
			NRL 3/8-N04U	

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/cm ² (0~900kPa)
Operating Temperature Range	32~140°F	0~60℃
Recommended Tube Material	Polyurethane and Nylon	

PRODUCT CODE SYSTEM

SPC	06	01		
(1)	(2)	(3)	(4)	(5)

① Model Type

② Tube 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	

③ Thread 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


④ U : 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 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

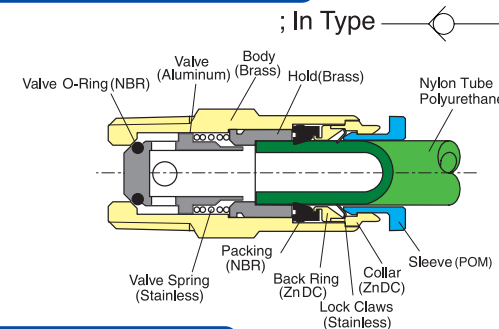


CHECK VALVES

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




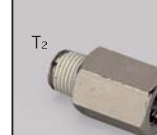
SPECIFICATIONS


Compatible Fluid type	Air(No other gases or liquids)	
Operating Pressure Range	0~150PSI	0~9kgf/cm ² (0~900kPa)
Negative Pressure	-29.5inHg	-750mmHg(10Torr)
Operating Temperature Range	32~140°F	0~60℃
Recommended 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)

① Type

② Tube 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	

③ Thread Size (T)





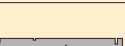
* Metric Thread & R(PT) Thread

	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

④ Control 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 according to signal of the body.

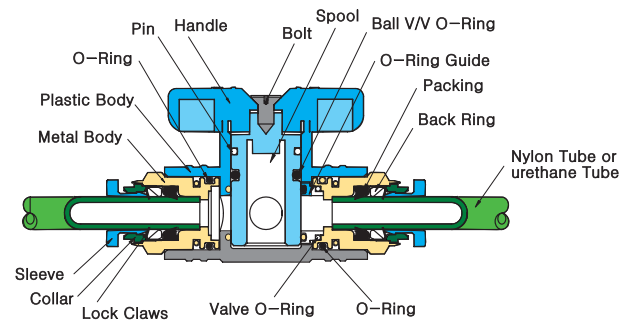
⑤ U : Hexagon flat-to-flat inch specification. (NPT)

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/cm ² (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 20 - 08 02
① ② ③ ④

① Type

② Effective Sectional area

	Metric Size	
Code	20	60
Size	20mm	60mm

③ Tube Dia(ØD)

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

④ Thread 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


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




20 Series

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


		MODEL (ØD1-ØD2)	
		Tube(Metric)	Tube(Inch)
BM Bulkhead Union		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


		MODEL (ØD-T)	
		Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
BL Elbow		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

		MODEL (ØD-T)	
		Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
BC Straight		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


Fittings with G Thread(O-Ring)


20 Series

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



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


60 Series



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


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


60 Series


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



		MODEL (ØD1-ØD2)	
		Tube(Metric)	Tube(Inch)
BLM Bulkhead Union Elbow		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


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

		MODEL (ØD1-ØD2)	
		Tube(Metric)	Tube(Inch)
BM Bulkhead Union		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

		MODEL (ØD-T)	
		Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
BL Elbow		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

		MODEL (ØD-T)	
		Tube(Metric)-Thread(R)	Tube(Inch)-Thread(NPT)
BC Straight		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

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

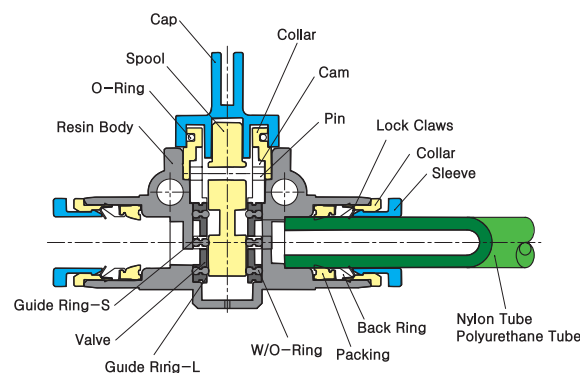
		MODEL (ØD1-ØD2)	
		Tube(Metric)	Tube(Inch)
BLM Bulkhead Union Elbow		BLM 60-1010	BLM 60 3/8-3/8
		BLM 60-1210	BLM 60 1/2-3/8
		BLM 60-1212	BLM 60 1/2-1/2

HAND VALVES

FEATURES

- The Hand Valves are designed to regulate air flow manually.
- When closed, the three-way control valve prevents incoming 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/cm ² (0~900kPa)
Negative pressure	-29.5in Hg	-750mmHg(1.0Torr)
Operating Temperature Range	32~140° F	0~60° C
Recommended Tube Material	Polyurethane and Nylon	

PRODUCTS CODE SYSTEM

HVFS ① - 06 ② - 01 ③

① Model Type

② Tube Dia(∅D)

Metric Size				
Code	06	08	10	12
Dia	∅6	∅8	∅10	∅12

③ Thread Size(R)

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



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	

MODEL (∅D-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	

MODEL (∅D-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	

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	

MODEL (∅D-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	

MODEL (∅D-T)	
Tube(Metric)-Thread(G)	
HVSF 06-G01	HVSF 12-G04
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	

MODEL (∅D1-∅D2)	
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/cm ² (0~900kPa)
Operating Temperature Range	32~140° F	0~60° C

PRODUCT CODE SYSTEM

AG ① - 08 ② - 02 ③ - S ④ - B ⑤

① Model Type

② Tube Dia(∅D)

③ Thread Size(RC)

Metric Size		
Code	08	10
Dia	∅8	∅10

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

④ Type

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

⑤ Color

B	R	BU
Black	Red	Blue

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

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

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

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

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

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

TUBE CUTTER

FEATURES

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

SPECIFICATIONS

Available Tubing	Polyurethane and Nylon
Cutting Outer Dia	∅3.0 ~ ∅12.0
Material	Polyacetal, Stainless steel
Standard Color	Blue

PRODUCT CODE SYSTEM

Tube Cutter

① Model 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/cm ² (0~900kPa)
Negative Pressure Range	-29.5inHg	-750mmHg(1.0Torr)
Operating Temperature Range	5~140°F	-15~60°C

PRODUCT CODE SYSTEM

N - 08 - 60 - O

① Model Type

② ③ Tube Dia(∅D)

	Metric Size							
Code	0320	0420	0425	0640	0860	1080	1290	1613
Outer Dia	∅3	∅4	∅4	∅6	∅8	∅10	∅12	∅16
Inner Dia	∅2	∅2	∅2.5	∅4	∅6	∅8	∅9	∅13

	Inch Size							
Code	1/8	5/32	3/16	1/4	5/16	3/8	1/2	5/8
Outer Dia	∅1/8	∅5/32	∅3/16	∅1/4	∅5/16	∅3/8	∅1/2	∅5/8

④ Color of Tubing

Clear Black Red Blue Yellow Green

MODEL [Out-In]	Tube (Metric)		Tube (Inch)	
	Tube (Metric)	Tube (Inch)	Tube (Metric)	Tube (Inch)
N	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-12090	N 3/8-6.9
		N 1/2-9.5		

MODEL [Out-In]	Tube (Metric)		Tube (Inch)	
	Tube (Metric)	Tube (Inch)	Tube (Metric)	Tube (Inch)
U	U-03020	U 1/8-1.6	U-12090	U 1/8-1.6
	U-04020	U 1/8-2.0	U-16110	U 1/8-2.0
	U-04025	U 5/32-2.0	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)	
	Tube (Metric)	Tube (Inch)	Tube (Metric)	Tube (Inch)
UC	UC-0402-15	UC 1/8-2.0-1	UC 3/16-3.2-15	UC 3/8-6.4-5
	UC-0402-30	UC 1/8-2.0-2	UC 3/16-3.2-20	UC 3/8-6.4-10
	UC-0402-45	UC 1/8-2.0-5	UC 1/4-4.2-2	UC 3/8-6.4-15
	UC-0604-15	UC 5/32-2.5-2	UC 1/4-4.2-5	UC 3/8-6.4-20
	UC-0604-30	UC 5/32-2.5-5	UC 1/4-4.2-10	UC 1/2-8.5-5
	UC-0604-45	UC 5/32-2.5-10	UC 1/4-4.2-15	UC 1/2-8.5-10
	UC-0805-35	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	

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 flexible 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/cm ² (0~900kPa)
Operating Negative Pressure	-29.5inHg	-750mmHg(1.0Torr)
Operating Temperature Range	5~140°F	-15~60°C

PRODUCT CODE SYSTEM

U - 08 - 50 - B UC - 08 - 50 - 05 - Y

① Model Type

② ③ Tube Dia(∅D)

	Metric Size							
Code	0320	0420	0425	0640	0850	1065	1280	1611
Outer Dia	∅3	∅4	∅4	∅6	∅8	∅8	∅10	∅12
Inner Dia	∅2	∅2	∅2.5	∅4	∅5	∅5.5	∅6.5	∅8

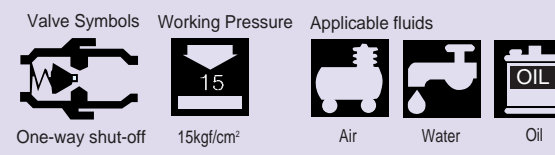
	Inch Size							
Code	1/8	5/32	3/16	1/4	5/16	3/8	1/2	5/8
Outer Dia	∅1/8	∅5/32	∅3/16	∅1/4	∅5/16	∅3/8	∅1/2	∅5/8

④ Color of Tubing

Clear Black Red Blue Yellow Green

⑤ Length(m)

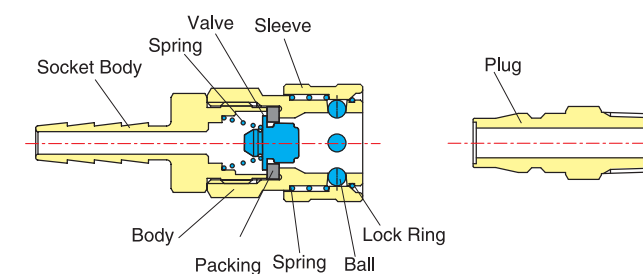
ACE COUPLER



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/cm ² (1000kPa)	10kgf/cm ² (1000kPa)	15kgf/cm ² (1500kPa)
Maximum Pressure	15kgf/cm ² (1500kPa)	20kgf/cm ² (2000kPa)	20kgf/cm ² (2000kPa)

PRODUCT CODE SYSTEM

C H - 22

① Model

C	Plug
H	Socket

② Type

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

③ Thread 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	12.5×8.5	16×11

MODEL [T]
CH Plug Nipple
CH 22
CH 23
CH 24
CH 44
CH 46
CH 48

MODEL [T]
CM Plug Male
CM 21
CM 22
CM 23
CM 24
CM 44
CM 46
CM 48

MODEL [T]
CF Plug Female
CF 22
CF 23
CF 24
CF 44
CF 46
CF 48

MODEL [∅D]
CN Plug Nut
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]
HH Socket Nipple
HH 22
HH 23
HH 24
HH 44
HH 46
HH 48

MODEL [T]
HM Socket Male
HM 22
HM 23
HM 24
HM 44
HM 46
HM 48

MODEL [T]
HF Socket Female
HF 22
HF 23
HF 24
HF 44
HF 46
HF 48

MODEL [∅D]
HN Socket Nut
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)

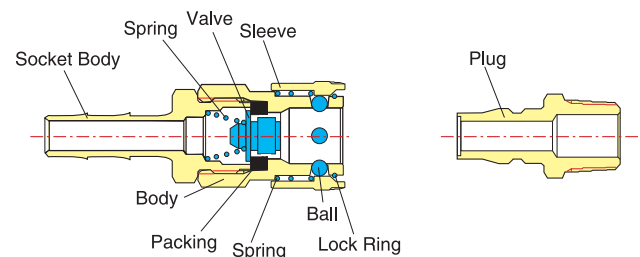
MINOR COUPLER



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/cm ² (1000kPa)
Maximum Pressure	15kgf/cm ² (1500kPa)

PRODUCT CODE SYSTEM

MC	H	22
(1)	(2)	(3)

① Model

MC	Plug
MH	Socket

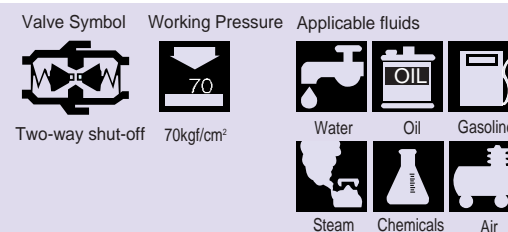
② Type

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

③ Connection 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

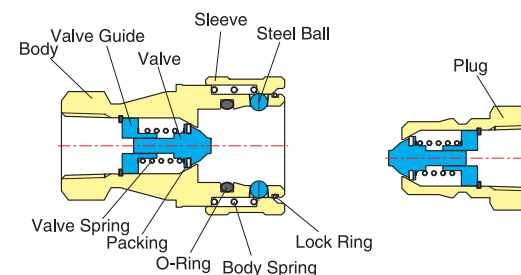
HP COUPLER



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 °C

PRODUCT CODE SYSTEM

8	H
(1)	(2)

① Thread 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	Rc1 1/4	Rc1 1/2	Rc2	

② Model

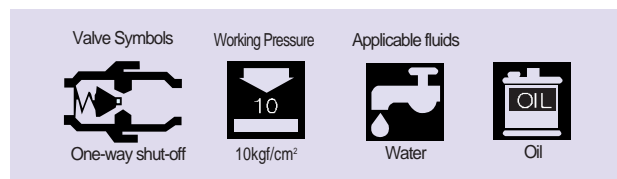
C	Plug
H	Socket

MCH Plug Nipple T	MODEL (T) Hose Stem MCH 22 MCH 23 MCH 24	MCM Plug Male T	MODEL (T) Male Thread(Rc) MCM 22 MCM 23 MCM 24	MCF Plug Female T	MODEL (T) Female Thread(R) MCF 22 MCF 23 MCF 24	MCN Plug Nut ØD	MODEL (ØD) Hose Nut(ØD) MCN 21(8×5) MCN 23(10×6.5) MCN 24(12×8)	MCN-S Plug Nut Spring ØD	MCN S21(8×5) MCN S23(10×6.5) MCN S24(12×8)
MHH Socket Nipple T	MODEL Male Thread(R) MHH 22 MHH 23 MHH 24	MHM Socket Male T	MODEL (T) Hoes Stem MHM 22 MHM 23 MHM 24	MHF Socket Female T	MODEL (T) Female Thread(Rc) MHF 22 MHF 23 MHF 24	MHN Socket Nut ØD	MODEL (ØD) Hose Nut(ØD) MHN 21(8×5) MHN 23(10×6.5) MHN 24(12×8)	MHN-S Socket Nut Spring ØD	MHN S21(8×5) MHN S23(10×6.5) MHN S24(12×8)
MLY Branch Y T	MODEL (T) Female Thread(Rc) MLY 22	MLW Branch Triple T	MODEL (T) Female Thread(Rc) MLW 22	MLR Branch R T	MODEL (T) Female Thread(Rc) MLR 22 MLR 23				



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

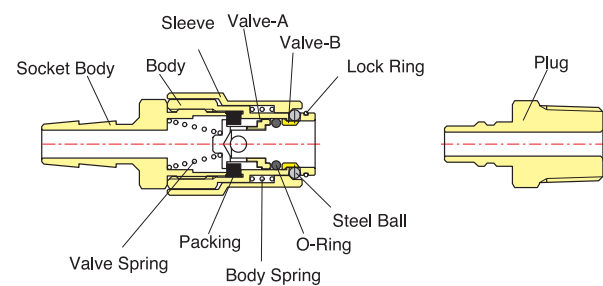
MOLD COUPLER



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.(18.5mm).
- 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/cm ² (1000kPa)
Maximum Pressure	15kgf/cm ² (1500kPa)

PRODUCT CODE SYSTEM

KC	H	- 22
(1)	(2)	(3)

① Model

KC	Plug
KH	Socket

② Type

H	Hose Stem
M	Male Thread
F	Female Thread

③ Connection 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

KCH	MODEL [T]
Plug Nipple	Hose Stem
	KCH 21
	KCH 22
	KCH 23

KCM	MODEL [T]
Plug Male	Male Thread(R)
	KCM 21
	KCM 22
	KCM 23

KCF	MODEL [T]
Plug Female	Female Thread(Rc)
	KCF 21
	KCF 22
	KCF 23

KHH	MODEL [T]
Socket Nipple	Hose Stem
	KHH 21
	KHH 22
	KHH 23
	KHH 24

KHM	MODEL [T]
Socket Male	Male Thread(R)
	KHM 21
	KHM 22
	KHM 23

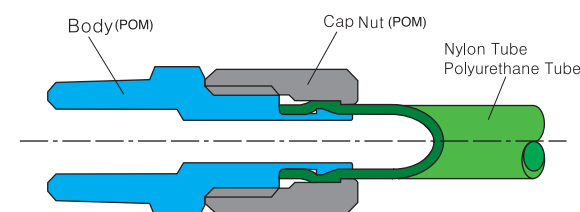
KHF	MODEL [T]
Socket Female	Male Thread(R)
	KHF 21
	KHF 22

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/cm ² (0~990kPa)
Negative pressure	-29.5in Hg	-750mm Hg (1.0Tor)
Operating Temperature Range	32~140F	0~60°C
Recommended Tube Material	Polyurethane	

PRODUCT CODE SYSTEM

TC	04	- 01
(1)	(2)	(3)

① Model Type

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

② Tube Dia (ØD)

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

③ Thread Size(R)

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

TC	MODEL [ØD-T]
Straight	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

THT(D1)	MODEL [ØD-T]
Single Universal Tee	Tube(Metric)-Thread(R)
	THT 0401-D1
	THT 0402-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

THL(D1)	MODEL [ØD-T]
Single Universal Elbow	Tube(Metric)-Thread(R)
	THL 0401-D1
	THL 0402-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

TL	MODEL [ØD-T]
Elbow	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

THT(D2)	MODEL [ØD-T]
Double Universal Tee	Tube(Metric)-Thread(R)
	THT 0401-D2
	THT 0402-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

THL(D2)	MODEL [ØD-T]
Double Universal Elbow	Tube(Metric)-Thread(R)
	THL 0401-D2
	THL 0402-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

TUT	MODEL [ØD]
Union Tee	Tube(Metric)
	TUT 04
	TUT 06
	TUT 08
	TUT 10
	TUT 12

THT(D3)	MODEL [ØD-T]
Triple Universal Tee	Tube(Metric)-Thread(R)
	THT 0401-D3
	THT 0402-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

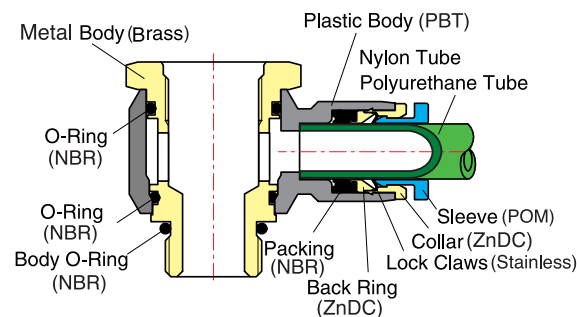
THL(D3)	MODEL [ØD-T]
Triple Universal Elbow	Tube(Metric)-Thread(R)
	THL 0401-D3
	THL 0402-D3
	THL 0601-D3
	THL 0602-D3
	THL 0801-D3
	THL 0802-D3
	THL 0803-D3
	THL 1002-D3
	THL 1003-D3
	THL 1004-D3
	THL 1202-D3

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/cm ² (0~990kPa)
Negative Pressure	-29.5inHg	-750mmHg(10Torr)
Operating Temperature Range	32~140°F	0~60 °C
Recommended Tube Material	Polyurethane and Nylon	

PRODUCT CODE SYSTEM

BHF 14 - 08
(1) (2) (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
Size	M5 ×0.8	M6 ×0.1	R1/8	R1/4	R3/8

③Tube Outer Dia(ØD)

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

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 1403
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 Application	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/cm ² (700kPa)		9Kgf/cm ² (900kPa)		7Kgf/cm ² (700kPa)	

PRODUCT CODE SYSTEM

ST - 01
(1) (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

ST(M)
Silencers Black

MODEL [T]
Thread(R)

ST 01
ST 02
ST 03
ST 04
ST M02
ST M03