



Function Fittings

- Metric valves have BSPP threads

Compact push-to-connect flow valves help ensure excellent performance of flow and are perfectly suited for reduced spaces. Nylon and nickel-plated brass construction, except where noted. Polypropylene push button and Buna nitrile elastomer seals for leak-free connections. For use with polyurethane, polyethylene, or PTFE tubing.

FLOW CONTROLS

Compact

- Pressure range: 14.5 to 145 psi
- Temp. range: 32° to 158°F

Adjustment screw controls airflow, while locking nut protects the flow setting from being changed due to tampering or vibration.

Swivel

- Pressure range: 14.5 to 145 psi
- Temp. range: 32° to 158°F

Allow access to vertical or angled tubing in restrictive installations.

In-Line

- Pressure range: 14.5 to 145 psi
- Temp. range: 32° to 158°F

Unidirectional airflow allows air to flow freely in through the flow control; metered out through the adjustment screw.

Miniature

- Pressure range: 14.5 to 145 psi
- Temp. range: 30° to 158°F

Specially designed for use with small-bore cylinders in very small pneumatic applications.

LOCKOUT VALVES

- Pressure range: 14.5 to 145 psi
- Temp. range: -4° to 160°F

Mount on a cylinder to cut off both supply and exhaust. Designed for maximum flow capacity in the open position. Brass material.

MINI BALL VALVES

- Max. range: 145 psi
- Temp. range: -4° to 176°F

Enable in-line pneumatic circuit opening and closing.

PILOTED NONRETURN VALVES

- Pressure range: 14.5 to 145 psi
- Temp. range: 23° to 140°F

Help protect equipment by blocking cylinder movement in a vertical or horizontal position. Valves allow the cylinder to stop in mid-stroke.

PNEUMATIC THRESHOLD SENSORS

- Pressure range: 43.5 to 116 psi
- Back pressure: 0.85 psi to 1 Bar
- Temp. range: 5° to 140°F

Detect the absence of pressure and translate it to a pneumatic output which emits a signal to pilot the next step. Sensors are compact and can be mounted on a cylinder or control valve on any pneumatic equipment to control the operation of the cylinder.

METER IN CHECK VALVES


- Pressure range: 14.5 to 145 psi
- Temp. range: 32° to 158°F

Valves are compact, lightweight, and allow air to pass in 1 direction while blocking air flow in the other. 7 psi will overcome the spring pressure.


QUICK EXHAUST VALVES

- Pressure range: 10 to 150 psi
- Temp. range: 0° to 160°F


Help increase system efficiency and the cylinder speed by purging cylinder exhaust air at the cylinder port instead of at the control valve.

	Tube Size	Pipe Size	Item No.
Flow Controls, Compact, Meter Out			
BSPP x Tube			
	4mm	1/8"	1PFX1
	6mm	1/8"	1PFX2
	6mm	1/4"	1PFX3
	8mm	1/8"	1PFX4
	8mm	1/4"	1PFX5
	10mm	1/4"	1PFX6
	10mm	3/8"	1PFX7


BSPT x Tube			
	6mm	1/8"	19G982
	8mm	1/8"	19G983
	8mm	1/4"	19G984
	10mm	1/4"	19G985
	10mm	3/8"	19G986
	10mm	1/2"	19G987
	12mm	1/4"	19G988

MNPT x Tube			
	5/32"	1/8"	1PFX8
	5/32"	1/4"	1PFX9
	1/4"	3/8"	1PFY1
	1/4"	1/2"	1PFY2
	3/8"	1/4"	1PFY3
	3/8"	3/8"	1PFY4


Flow Controls, Compact, Knobless, Meter Out			
BSPP x Tube			
	4mm	1/8"	1DFB4
	6mm	1/8"	1DFB7
	6mm	1/4"	1DFB8
	8mm	1/8"	1DFC1
	8mm	1/4"	1DFC2
	8mm	3/8"	1DFN1
	10mm	1/4"	1DFN2
	10mm	3/8"	1DFN3
	10mm	1/2"	1DFN4
	12mm	3/8"	1DFN5

Metric Threads x Tube			
	4mm	M5	1DFB5
	6mm	M5	1DFB9


MNPT x Tube			
	1/8"	1/8"	1DDW9
	5/32"	1/8"	1DDW6
	1/4"	1/8"	1DDX1
	1/4"	1/4"	1DDX2
	5/16"	1/8"	1DDW7
	5/16"	1/4"	1DDW8
	3/8"	1/4"	1DDX3
	3/8"	3/8"	1DDX4

Tube x UNF			
	1/8"	10-32	1DDW4
	5/32"	10-32	1DFB6
	1/4"	10-32	1DDW5


Flow Controls, Swivel, Meter Out			
BSPP x Tube			
	6mm	1/8"	1DFN7
	6mm	1/4"	1DFN8
	8mm	1/8"	1DFN9
	8mm	1/4"	1DFP1
	8mm	3/8"	1DFP2
	10mm	1/4"	1DFP3
	12mm	3/8"	1DFP5



MNPT x Tube			
	1/4"	1/8"	1DDX5
	1/4"	1/4"	1DDX6
	3/8"	1/4"	1DDX7
	3/8"	3/8"	1DDX8


Flow Controls, In-Line, One Way			
Tube			
	5/32"	—	1PFZ7
	1/4"	—	1PFZ8
	3/8"	—	1PFZ9
	1/2"	—	1PGB1
	6mm	—	1DFP7
	8mm	—	1DFP8
	10mm	—	1DFP9
	12mm	—	1DFR1

Flow Controls, Miniature, Control Flow Meter Out			
BSPP x Tube			
	6mm	1/8"	1PFY7
	8mm	1/4"	1PFY9
	8mm	3/8"	1PFZ1


BSPT x Tube			
	4mm	1/8"	19G991
	6mm	1/8"	19G992
	6mm	1/4"	19G993
	6mm	3/8"	19G994
	8mm	1/8"	19G995
	8mm	1/4"	19G996
	8mm	3/8"	19G997


MNPT x Tube			
	1/8"	1/8"	1PFZ4
	5/32"	1/8"	1PFZ3
	1/4"	1/8"	1PFZ5
	1/4"	1/4"	1PFZ6
	4mm	M5 x 0.8	1PFY5


Tube x UNF			
	6mm	M5 x 0.8	1PFY8
	1/4"	10-32	1PFZ2
Lockout Valves			
BSPP x Tube			
	8mm	1/4"	1DFL5
	10mm	3/8"	1DFL7


NPT			
	—	1/8"	19G998
	—	1/4"	19G999
	—	1/2"	19H002


NPT x Tube			
	1/4"	1/8"	1DDY8
	1/4"	1/4"	1DDY9
	3/8"	3/8"	1DDZ1
	1/2"	1/2"	1DDZ2

Mini Ball Valve - Inline			
Tube			
	3/8 in	—	1PGB2


Mini Ball Valves With Vent			
MNPT x Tube			
	1/4 in	1/8 in	1PGB5
	1/4 in	1/4 in	1PGB6
	3/8 in	1/4 in	1PGB7

Mini Ball Valves With Vent - Inline			
Tube			
	1/4 in	—	1PGB3
	3/8 in	—	1PGB4

Piloted Non Return Valves			
BSPP x Tube			
	6mm	1/4"	19H024
	8mm	1/8"	19H025
	8mm	3/8"	19H027
	10mm	3/8"	19H028
	10mm	1/2"	19H029
	12mm	1/2"	19H030

Piloted Non Return Valves with Flow Regulator			
BSPP x Tube			
	6mm	1/8"	19H031
	6mm	1/4"	19H032
	8mm	3/8"	19H035
	10mm	3/8"	19H036
	10mm	1/2"	19H037
	12mm	1/2"	19H038

Pneumatic Threshold Sensors			
NPT x Tube			
	5/32" or 4mm	1/8"	19H011
	5/32" or 4mm	1/4"	19H012
	5/32" or 4mm	3/8"	19H013
	5/32" or 4mm	1/2"	19H014

Quick Exhaust Valves			
	1/8"	NPT x Tube	19H015
	1/4"	NPT x Tube	19H016
	3/8"	NPT x Tube	19H017
	1/2"	NPT x Tube	19H018