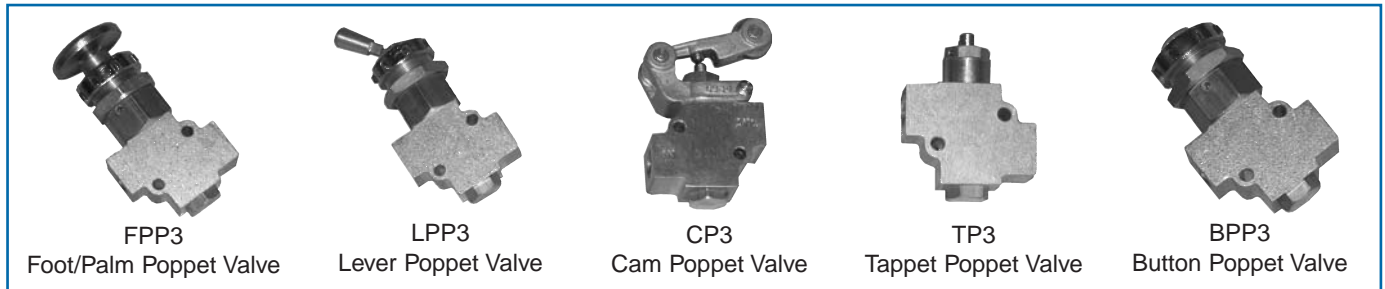




Mechanical Control Valves



Pneumatic Control Valves

Poppet Valves - Manually Operated

P/n	Operator	Port/Pos.*	Port Size	Op. Press (kPa)
LPP3	Lever	3/2	1/4	0-1000
BPP3	Push Button	3/2	1/4	0-1000
FPP3	Foot/Palm Button	3/2	1/4	0-1000
RBP3	Roller Ball	3/2	1/4	0-1000
TP3	Tappet	3/2	1/4	0-1000
AP3	Air Piloted	3/2	1/4	0-1000**
LBP3	Lever Button	3/2	1/4	0-1000
CP3	Cam	3/2	1/4	0-1000
TCP3	Trip Cam	3/2	1/4	0-1000

* Also available in 2-way

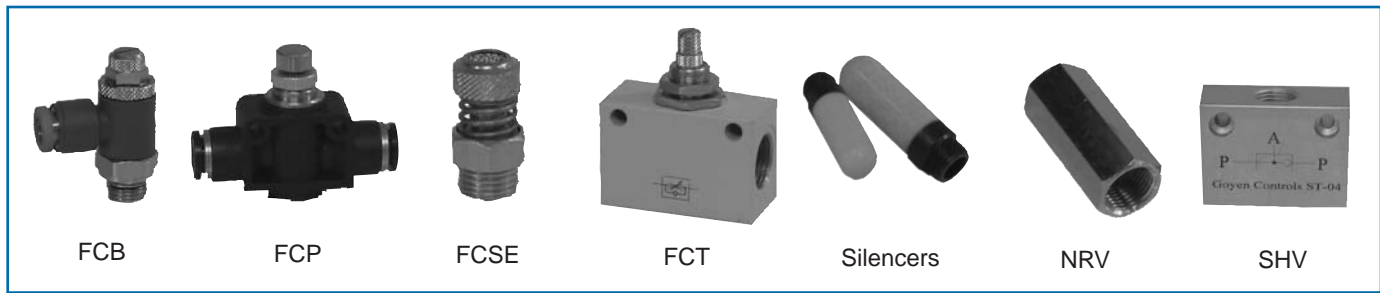
** 275 kPa minimum pilot pressure for 1000 kPa main pressure.

Spool Valves Manually Operated

P/n	Operator	Port/Pos.	Port Size	Op. Press (kPa)
6TF3/2S	Foot	3/2 Spring Ret.	1/4	0-1000
6TF5/2S	Foot	5/2 Spring Ret.	1/4	0-1000
12TF3/2S	Foot	3/2 Spring Ret.	1/2	0-1000
12TF5/2S	Foot	5/2 Spring Ret.	1/2	0-1000
6TL3/2L	Lever	3/2 Detent	1/4	0-1000
6TL3/2S	Lever	3/2 Spring Ret.	1/4	0-1000
6TL5/2L	Lever	5/2 Detent	1/4	0-1000
6TL5/2S	Lever	5/2 Spring Ret.	1/4	0-1000
6TL5/3P	Lever	5/3 PC Spring Ret.	1/4	0-1000
6TL5/3C	Lever	5/3 CC Spring Ret.	1/4	0-1000
6TL5/3PL	Lever	5/3 PC Detent	1/4	0-1000
6TL5/3CL	Lever	5/3 CC Detent	1/4	0-1000
12TL3/2L	Lever	3/2 Detent	1/2	0-1000
12TL3/2S	Lever	3/2 Spring Ret.	1/2	0-1000
12TL5/2L	Lever	5/2 Detent	1/2	0-1000
12TL5/2S	Lever	5/2 Spring Ret.	1/2	0-1000
12TL5/3P	Lever	5/3 PC Spring Ret.	1/2	0-1000
12TL5/3C	Lever	5/3 CC Spring Ret.	1/2	0-1000
12TL5/3PL	Lever	5/3 PC Detent	1/2	0-1000
12TL5/3CL	Lever	5/3 CC Detent	1/2	0-1000
6TB3/2	Button	3/2	1/4	0-1000
6TB3/2L	Button	3/2 Lockable	1/4	0-1000
6TB5/2	Button	5/2	1/4	0-1000
6TB5/2L	Button	5/2 Lockable	1/4	0-1000
12TB3/2	Button	3/2	1/2	0-1000
12TB3/2L	Button	3/2 Lockable	1/2	0-1000
12TB5/2	Button	5/2	1/2	0-1000
12TB5/2L	Button	5/2 Lockable	1/2	0-1000

Port threads standard in 'G' and 'NPT'

Pneumatic Control Valves



Ancillary Controls

Flow Control Banjo at Cylinder Port - Type FCB

Model No.	Thread Size	Tube O.D. mm
FCB-1/8-4	G1/8	4
FCB-1/4-6	G1/4	6
FCB-1/4-8	G1/4	8
FCB-1/2-12	G1/2	12

Flow Control in the Line - Push-in Tube Connections - Type FCP

Model No.	Tube O.D. mm
FCP-4	4
FCP-6	6
FCP-8	8
FCP-12	12

Flow Control in the Line - Threaded Connections - Type FCT

Model No.	Thread Size
FCT-1/8	G1/8
FCT-1/4	G1/4
FCT-1/2	G1/2

Flow Control/Silencer at Valve Exhaust Port - Type FCSE

Model No.	Thread Size
FCSE-1/8	R1/8
FCSE-1/4	R1/4
FCSE-1/2	R1/2

In-line 3/2 Isolation Valve - Type HSV

Model No.	Thread Size
HSV-1/8	G1/8
HSV-1/4	G1/4
HSV-3/8	G3/8
HSV-1/2	G3/8

Silencer - Type S

Model No.	Thread Size
S-1/8	R1/8
S-1/4	R1/4
S-3/8	R3/8
S-1/2	R1/2
S-3/4	R3/4
S-1	R1

Non-Return Valve - Type NRV

Model No.	Thread Size
NRV-1/8	G1/8
NRV-1/4	G1/4
NRV-1/2	G1/2

Shuttle (OR) Valve - Type SHV

Model No.	Thread Size
SHV-1/8	G1/8
SHV-1/4	G1/4
SHV-1/2	G1/2



Quick Exhaust Valves

Holdback Valve

Quick Exhaust Valves

Model No.	Port Thread	Port Size	Op. Press kPa	PSI
QEV-1/4	G/NPT	1/4	0-1000	0-150
QEV-1/2	G/NPT	1/2	0-1000	0-150
QEV-10	Rc	3/8	0-1000	0-150
QEV-20	Rc	3/4	0-1000	0-150
QEV-25	Rc	1	0-1000	0-150

Holdback Valves

Model No.	Thread	Port Size	Pressure Settings kPa (PSI)		Pressure Setting Range	
			Opening	Closing	kPa	PSI
HBV-1/4-B	G/NPT	1/4	276 (40)	207 (30)	70 - 345	(10 - 50)
HBV-1/4-O	G/NPT	1/4	345 (50)	276 (40)	70 - 345	(10 - 50)
HBV-1/4-R	G/NPT	1/4	483 (70)	414 (60)	345 - 690	(50 - 100)
HBV-1/4-W	G/NPT	1/4	620 (90)	607 (88)	345 - 690	(50 - 100)

HBV Repair Kit: KM1551