

Manual/Mechanical actuated spool valve

Super X

- » Wide range of operators
- » Suitable for multi-directional flow and dual supply applications
- » High flow capacity
- » Lightweight corrosion resistant materials

Technical Data

Medium:
Compressed air, filtered,
lubricated and non-lubricated

Operation:
Spool Valve, directly and
indirectly actuated

Mounting:
Through-holes in valve body

Port Size:
1/8" and 1/4" NPT

Operating Pressure:
Maximum 26.5" Hg to 145 psig

Flow Characteristics:

Size	Function
Cv	l/min
1/8" NPT	3/2, 5/2, 5/3
0.34	335
1/4" NPT	3/2, 5/2, 5/3
0.98	965

Operating Temperature:

32°F* to 158°F

* Consult our Technical Service for use
below 35°F

Material

Diecast aluminum alloy body,
aluminum or glass filled nylon
end covers, nitrile rubber seals



Models - 3/2 Mechanical valves

Accessories

Model No.	Actuation	Port size NPT	Flow Cv	Drawing no.	Thread NPT	Tube size	Straight fitting	90° swivel elbow	Muffler
									
03029322 ¹	Roller lever (heavy duty)/Spg	1/8	0.34	A, 7	1/8	1/4	95453004M	95433104M	MS001A
									
03040222 ¹	Roller/Spring	1/8	0.34	A, 2	1/8	1/4	95453004M	95433104M	MS001A
									
03040022 ¹	Plunger Spring	1/8	0.34	A, 1	1/8	1/4	95453004M	95433104M	MS001A
									
03041122 ¹	Roller lever/Spring	1/8	0.34	A, 3	1/8	1/4	95453004M	95433104M	MS001A
03061122 ¹	Roller lever/Spring	1/4	0.98	B, 6	1/4	3/8	95453018M	95433112M	MS002A
									
03043222 ¹	Antenna/Spring	1/8	0.34	A, 5	1/8	1/4	95453004M	95433104M	MS001A
									
03041022 ¹	One-way trip	1/8	0.34	A, 23	1/8	1/4	95453004M	95433104M	MS001A

1 Normally closed

MANUAL AND MECHANICAL ACTUATED SPOOL VALVE Super X

Models - 5/2 Mechanical valves

Model no.	Actuation	Port size NPT	Flow Cv	Drawing no.	Thread NPT	Tube size	Straight fitting	90° swivel elbow	Muffler
									
X3039322	Roller lever (heavy duty)/Spg	1/8	0.34	D, 7	1/8	1/4	95453004M	95433104M	MS001A
									
X3045122	Roller lever/Spring	1/8	0.34	D, 3	1/8	1/4	95453004M	95433104M	MS001A
X3065122	Roller lever/Spring	1/4	0.98	E, 6	1/4	3/8	95453018M	95433112M	MS002A
									
X3044222	Roller/Spring	1/8	0.34	D, 2	1/8	1/4	95453004M	95433104M	MS001A
X3064222	Roller/Spring	1/4	0.98	E, 4	1/4	3/8	95453018M	95433112M	MS002A
									
X3047222	Antenna/Spring	1/8	0.34	D, 5	1/8	1/4	95453004M	95433104M	MS001A

Accessories

Models - 3/2 Manual valves

Model no.	Actuation	Port size NPT	Flow Cv	Drawing no.	Thread NPT	Tube size	Straight fitting	90° swivel elbow	Muffler
									
03029622	Lever/lever	1/8	0.34	D,16	1/8	1/4	95453004M	95433104M	MS001A
									
03040322	Toggle/toggle	1/8	0.34	A,14	1/8	1/4	95453004M	95433104M	MS001A
									
03041922	Rotary knob/rotary knob	1/8	0.34	A, 19	1/8	1/4	95453004M	95433104M	MS001A

Accessories

MANUAL AND MECHANICAL ACTUATED SPOOL VALVE Super X

Models - 3/2 Manual valves

Accessories

Model no.	Actuation	Port size NPT	Flow Cv	Drawing no.	Thread NPT	Tube size	Straight fitting	90° swivel elbow	Muffler
									
03040422 ¹	Black – Button/spring	1/8	0.34	A, 9	1/8	1/4	95453004M	95433104M	MS001A
03060422 ¹	Black – Button/Spring	1/4	0.98	B, 8	1/4	3/8	95453018M	95433112M	MS002A
									
03041822801	Button (palm) Key	1/8	0.34	A, 20	1/8	1/4	95453004M	95433104M	MS001A
									
03041422 ¹	Black – Button (shrouded) spring	1/8	0.34	A, 11	1/8	1/4	95453004M	95433104M	MS001A
									
03042522	Knob/knob	1/8	0.34	A, 18	1/8	1/4	95453004M	95433104M	MS001A
03062522	Knob/knob	1/4	0.98	B, 13	1/4	3/8	95453018M	95433112M	MS002A
									
03042422	Knob/knob or pilot	1/8	0.34	A, 18	1/8	1/4	95453004M	95433104M	MS001A

Models - 5/2 Manual valves

Accessories

Model no.	Actuation	Port size NPT	Flow Cv	Drawing no.	Thread NPT	Tube size	Straight fitting	90° swivel elbow	Muffler
									
X3044422	Black palm button	1/8	0.34	E, 9	1/8	1/8	95453004M	95433104M	MS001A
									
X3064422	Black palm button	1/4	0.98	E, 12	1/4	3/8	95453018M	95433112M	MS002A

1 Normally closed

MANUAL AND MECHANICAL ACTUATED SPOOL VALVE Super X

Models - 5/2 Manual valves

Model no.	Actuation	Port size NPT	Flow Cv	Drawing no.	Thread NPT	Tube size	Straight fitting	90° swivel elbow	Muffler
									
X3044322	Toggle/toggle	1/8	0.34	E, 14	1/8	1/4	95453004M	95433104M	MS001A
									
X3047722	Lever/lever	1/8	0.34	E, 15	1/8	1/4	95453004M	95433104M	MS001A
X3067722	Lever/lever	1/4	0.98	E, 15	1/4	3/8	95453018M	95433112M	MS002A
									
X3029622	Heavy Duty Lever / Lever	1/8	0.34	E, 17	1/8	1/4	95453004M	95433104M	MS001A
									
X3045922	Rotary knob/rotary knob	1/8	0.34	E, 19	1/8	1/4	95453004M	95433104M	MS001A
									
X3046522	Knob, push/knob, pull	1/8	0.34	E, 13	1/8	1/4	95453004M	95433104M	MS001A
X3066522	Knob, push/knob, pull	1/4	0.98	G, 13	1/4	3/8	95453018M	95433112M	MS002A
									
X3045822801	Button (palm) Key	1/8	0.34	E, 20	1/8	1/4	95453004M	95433104M	MS001A
									
X3046822	RED Emergency Stop /Twist ring	1/8	0.98	E, 10	1/4	3/8	95453018M	95433112M	MS002A

Models - 5/3 Manual valves

Model no.	Actuation	Port size NPT	Flow Cv	Drawing no.	Thread NPT	Tube size	Straight fitting	90° swivel elbow	Muffler
									
X3343822 ³	Lever/spring/lever	1/8	0.34	21	1/8	1/4	95453004M	95433104M	MS001A
X3363822 ³	Lever/spring/lever	1/4	0.98	22	1/4	3/8	95453018M	95433112M	MS002A

3 All ports blocked

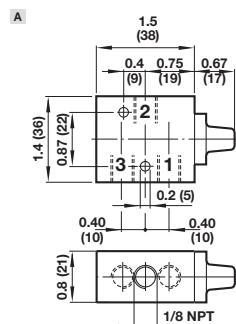
MANUAL AND MECHANICAL ACTUATED SPOOL VALVE

Super X

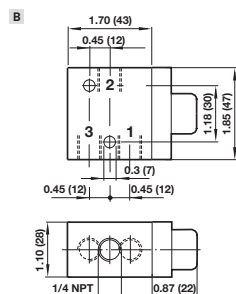
Specifications

Valve bodies

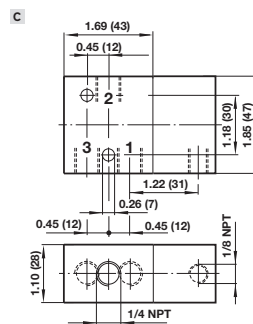
1/8, 3/2 Spring return, basic body



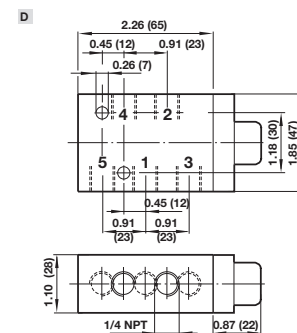
1/4, 3/2 Spring return, basic body



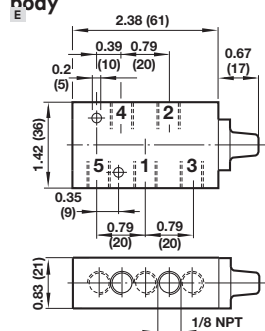
1/4, 3/2 Pilot return, basic body



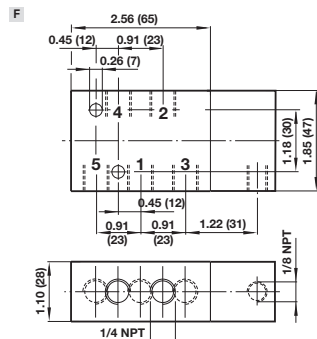
1/8, 5/2 Spring return, basic body



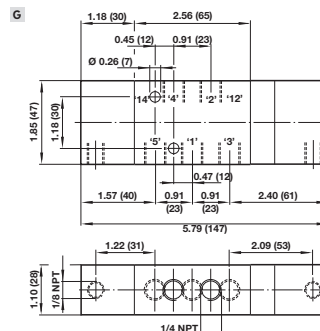
1/4, 1/8, 5/2 Spring return, basic body



1/8, 5/2 Pilot return, basic body

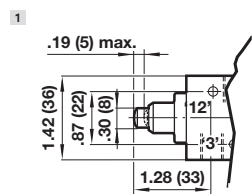


1/4, 5/3 Spring return, basic body

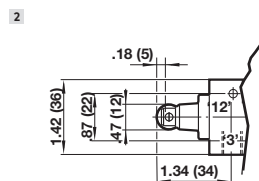


Mechanical valve actuators

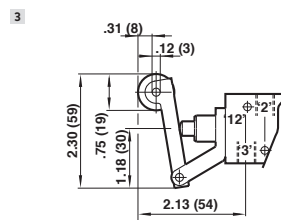
Plunger – 1/8 valves



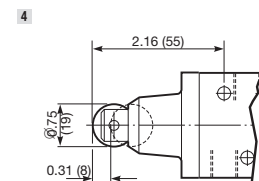
Roller – 1/8 valves



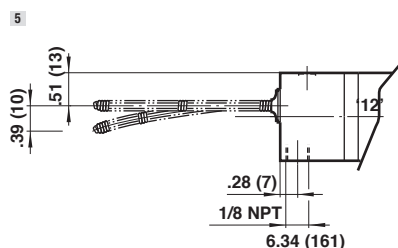
Roller lever – 1/8 valves



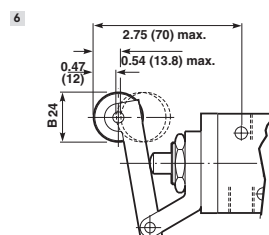
Roller – 1/4 valves



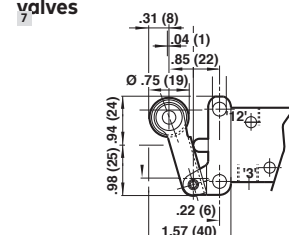
Antenna – 1/8 valves



Roller lever – 1/4 valves



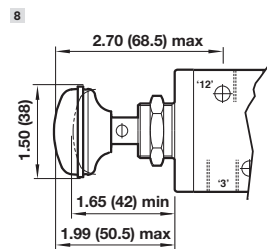
Heavy duty roller lever – 1/8 valves



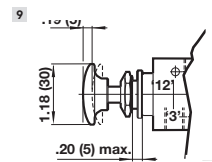
MANUAL AND MECHANICAL ACTUATED SPOOL VALVE Super X

Manual valve actuators

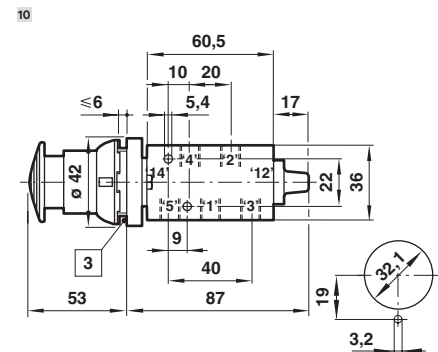
Button – 1/4 Valves



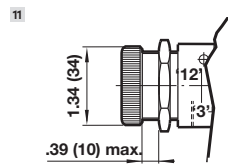
Button – 1/8 valves



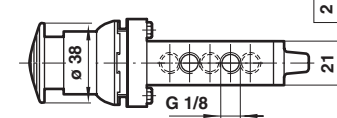
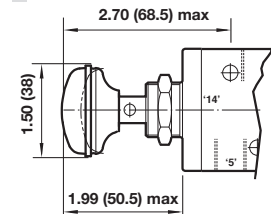
Emergency stop – 1/8 valves



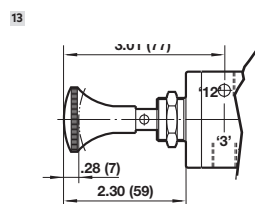
Button (shrouded) – 1/8 valves



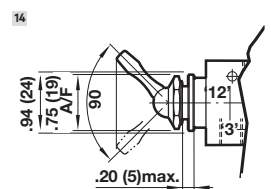
Button operated spring return valve – 1/4 valves



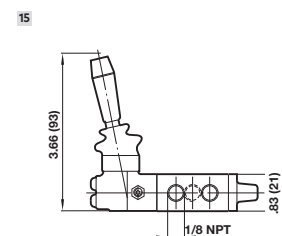
Knob – 1/4 and 1/8 valves



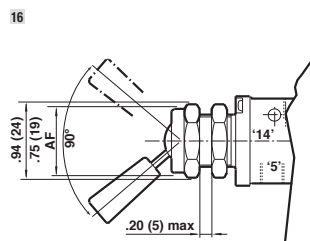
Lever operated spring return valve – 1/8 valves



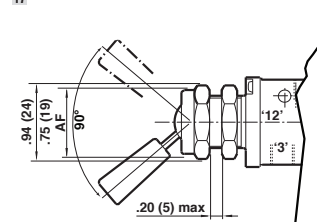
Lever operated spring return valve – 1/8, 1/4 valves



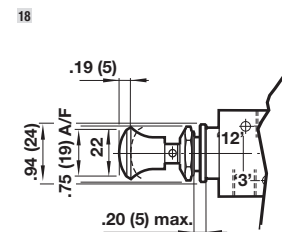
Lever operated lever return valve – 1/8 valves



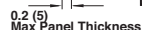
5/2 Lever operated lever return valve – 1/8 valves



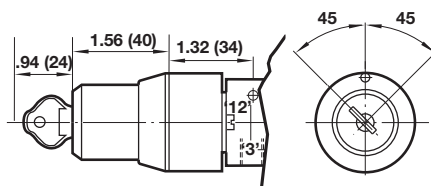
Knob operated knob return valve – 1/8 valves



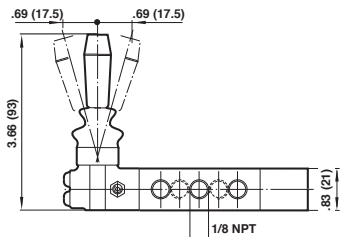
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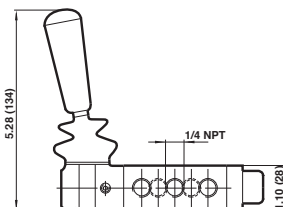
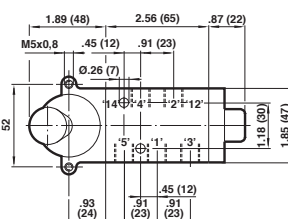
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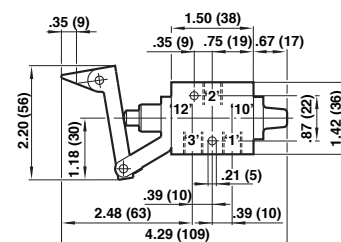
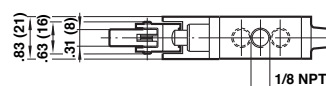
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Panel thickness: 8 mm maximum