S222 - Solenoid valves

3-Way, 2-Position Spool
20 L/min (5 US GPM) Up to 100 bar (1500 PSI)

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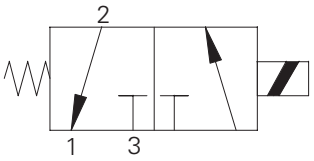


Operation

In the de-energized position this valve allows flow from port 2 to 1 while port 3 is blocked.
In the energized position flow is allowed from port 3 to port 2 while port 1 is blocked.

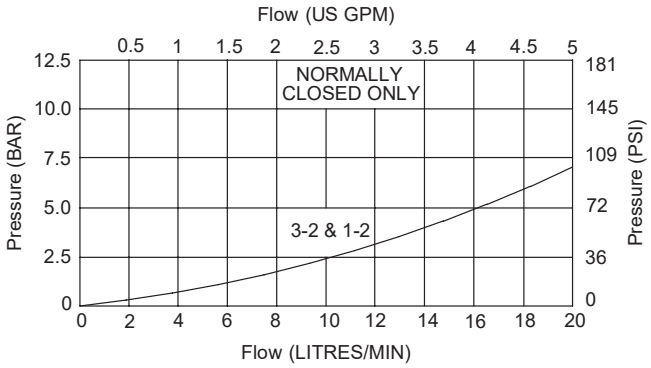
Performance data

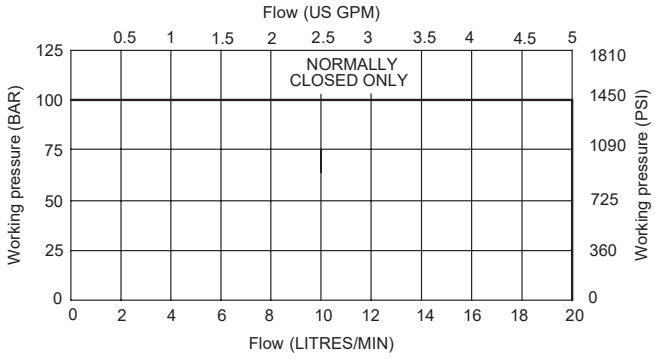
Ratings and specifications

Performance data is typical with fluid at 21,8 cST (105 SUS) and 49°C (120°F)	
Max. Working Pressure	100 bar (1500 psi)
Flow Rating	20 litres/min (5 US GPM)
"Nominal Flow (at Delta P = 5 bar (70 psi))"	17 litres/min (4.5 US GPM)
Internal leakage	"Less than 40 ml/min 100 bar differential at 32 centistokes"
Temperature range	-20 to +120°C (-4 to +248°F)
Nominal Viscosity Range	15 to 250 centistokes
Cavity	A18333
Fluids	Most general purpose hydraulics fluids such as: MIL-H-5606, SAE 10, SAE 20 etc
Filtration	BS5540/4 Class 18/13 (25 micron or better)
Housing material (standard)	Aluminium Alloy
Weight cartridge only	0.13 kg (0.3 lbs)
Seal kit	SK975 (Nitrile) SK975V (Viton)

Pressure drop

Cartridge only





Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

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20 L/min (5 US GPM) Up to 100 bar (1500 PSI)

Model code

S222	N		H	24	3W
1	2	3	4	5	6

1 Basic Code

S222

2 Seals

N - Nitrile

V - Viton®

3 Manual Override (consult factory for availability)

1 - Push and twist

2 - Screw

4 Port Sizes

2W - 1/4" BSP

3W - 3/8" BSP

6T - 3/8" SAE

5 Voltage

12 - 12 VDC

24 - 24 VDC

110 - 110 VAC

220 - 220 VAC

6 Coil Termination

H - DIN43650

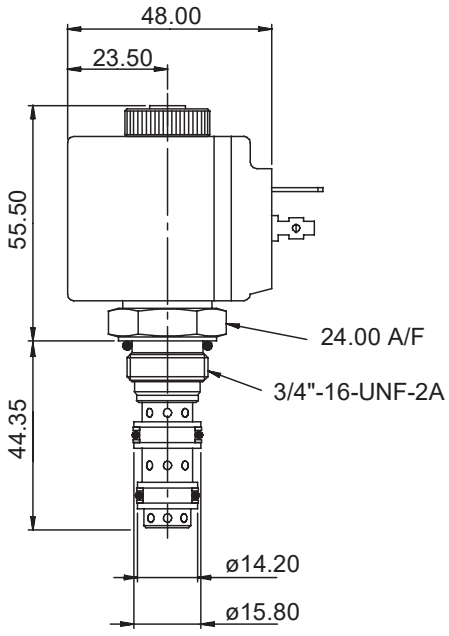
F - Flying Leads

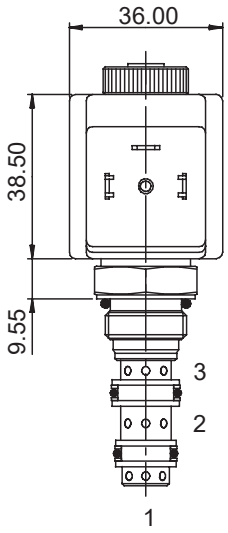
DM - Deutsch Moulded

Other terminations available on request

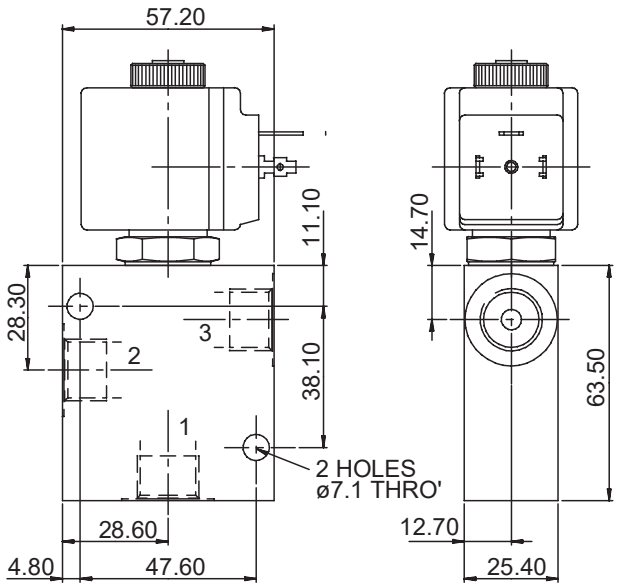
Dimensions - mm (inch)

Cartridge only





Installation drawing



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