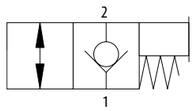
MPV1-10 - Manual pull valve

Poppet type, normally closed valve
45 L/min (11.9 USgpm) • 210 bar (3000 psi)



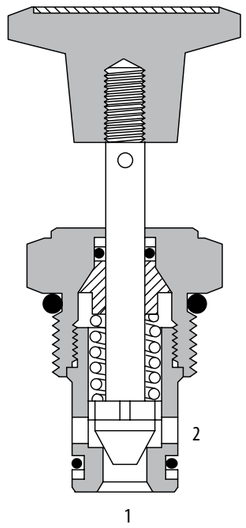
Operation

This valve blocks flow form port 2 to port 1 and will allow flow form port 1 to port 2 when the spring bias is overcome.

Features

Hardened and ground poppet and seat with very low internal leakage

Sectional view



Performance data

Ratings and specifications

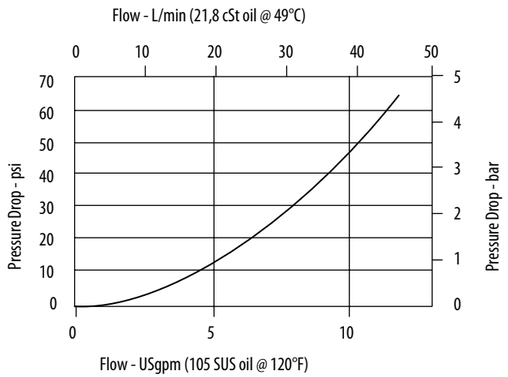
Performance data is typical with fluid at 21,8 cST (105 SUS) and 49°C (120°F)	
Typical application pressure (all ports)	210 bar (3000 psi)
Cartridge fatigue pressure (infinite life)	210 bar (3000 psi)
Rated flow	45 L/min (11.9 USgpm)
Internal leakage, port 2 to port 1	5 drops/min. maximum @ 210 bar (3000 psi)
Temperature range	-40° to 120°C (-40° to 248°F)
Cavity	C-10-2
Fluids	All general purpose hydraulic fluids such as: MIL-H-5606, SAE 10, SAE 20 etc.
Filtration	Cleanliness code 18/**16/13**
Standard housing materials	Aluminum
Weight cartridge only	0,11 kg (0.24 lbs)
Seal kit	565803 (Buna-N), 566086 (Viton®)

Viton is a registered trademark of E.I. DuPont

Description

This is a manually operated, pull to open normally closed none balanced poppet screw in cartridge valve. Ideal as an emergency lower valve.

Pressure drop



⚠ Warning
Back pressure of
16 bar (240 psi)
will unseat the poppet.

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

MPV1-10 - Manual pull valve

Poppet type, normally closed valve
45 L/min (11.9 USgpm) • 210 bar (3000 psi)

Model code

MPV1 – 10 (V) – * – ** – 00
1 2 3 4 5 6

1 Function

MPV1 - Manual pull valve

2 Size

10 - 10 size

3 Seal material

Blank - Buna-N
V - Viton®

4 Type

T - Stem only
K - Knob

5 Port size

0 - Cartridge only

Code	Port size	Housing number	
		Aluminium light duty	Aluminium fatigue rated
3B	3/8" BSPP	02-175462	
6T	SAE 6	566151	
2G	1/4" BSPP	-	876702
3G	3/8" BSPP	-	876703
6H	SAE 6	-	876700
8H	SAE 8	-	876701

See section J for housing details.

6 Special features

00 - None
(Only required if valve has special features, omitted if "00.")

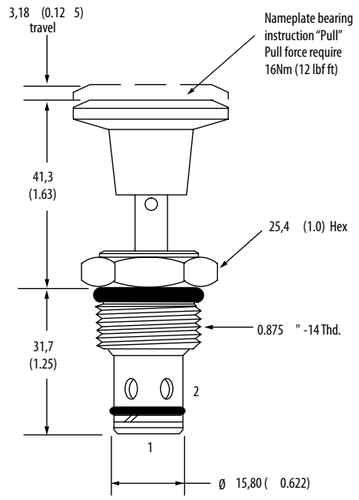
SS - 316 Stainless steel external components

Dimensions

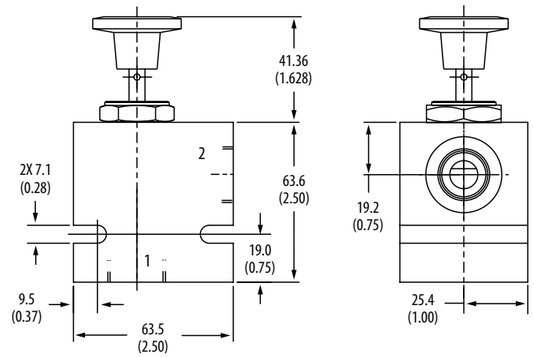
mm (inch)

Torque cartridge in aluminum housing 47-54 Nm (35-40 ft lbs)

Cartridge only



Installation drawing



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