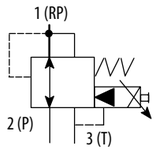
EPRV1-10 - Proportional valve

Proportional reducing/relief, spool
7.6 L/min (2 USgpm) • 35 bar (500 psi)

Functional symbol



Operation

This valve remains open from port 2 to port 1 (port 3 must be vented). Once the predete mined pressure is reached at port 1, the spool shift to restrict the inlet flow at port 2, which regulates the pressure at port 1.

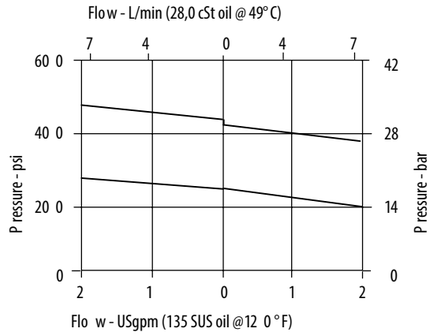
If the pressure at port 1 exceeds the setting of the valve, the spool will shift farther and relieve to port 3.

Performance data

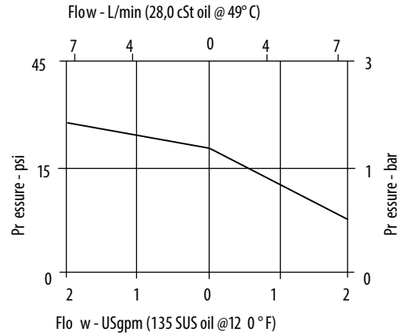
Ratings and specifications	
Performance data is typical with fluid at 21,8 cSt (105 SUS) and 49°C (120°F)	
Typical application pressure (all ports)	3,5-35 bar (50-500 psi)
Maximum Inlet Pressure	35 bar (500 psi)
Cartridge fatigue pressure (infinite life)	207 bar (3000 psi)
Rated flow	0-7,6 L/min (0-2.0 USgpm)
Cavity	C-10-3
Temperature range	-40° to 120°C (-40° to 248°F)
Fluids	All general purpose hydraulic fluids such as: MIL-H-5606, SAE 10, SAE 20, etc.
Filtration	Cleanliness code 18/16/13
Weight cartridge and coil	0,44 kg (0.98 lbs)
Seal kits	565804 (Buna-N) 889599 (Viton®) Viton is a registered trademark of E.I. DuPont

Pressure override characteristics

Pressure override, energized

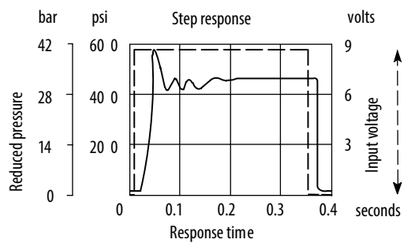


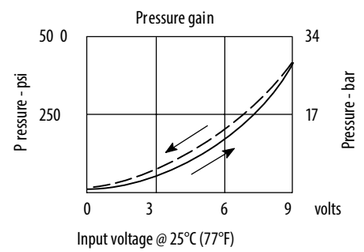
Pressure overrided e- energized



Performance characteristics

Cartridges only Zero outlet pressure





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

EPRV1-10 - Proportional valve

Proportional reducing/relief, spool
7.6 L/min (2 USgpm) • 35 bar (500 psi)

Model code

EPRV1 10 – (V) – (A) – ** – * – * – 00**

1 2 3 4 5 6 7 8

1 Function

EPRV1 -Proportional reducing/ relieving valve

2 Size

10 - 10 size

3 Seal material

Blank - Buna-N

V - Viton®

4 Maximum pressure (factory set)

Customer to specify settings in increments of 7 bar (100 psi) and coded in hundreds of psi within the 14-35 bar range (200-500 psi) range. Example: **5** - 35,0 (500 psi)

5 Port size

Code	Port size	Housing number
3B	3/8" BSPP	02-173358*
6T	SAE 6	566162*
2G	1/4" BSPP	876702
3G	3/8" BSPP	876714
6H	SAE 6	876704
8H	SAE 8	876711

*Light duty housing.
See section J for housings.

6 Voltage rating

00 - No coil

12D - 12VDC

24D - 24VDC

12B - 12VDC/w diode*

24B - 24VDC/w diode*

*Optional arc suppression diode.
Note: This valve uses the standard S series coils, see section C for coil part numbers and specifications.

7 Connector type

Blank - No coil

G -ISO 4400 DIN 43650

W - Flying lead

N - Deutsch (DC only)

Y-Amp JR (DC only)

D - Metripack 150 male (DC only)

J - Metripack 280 male (DC only)

E - Weather–Pack female

F - Weather–Pack male

For coil part numbers and dimensions see section C.

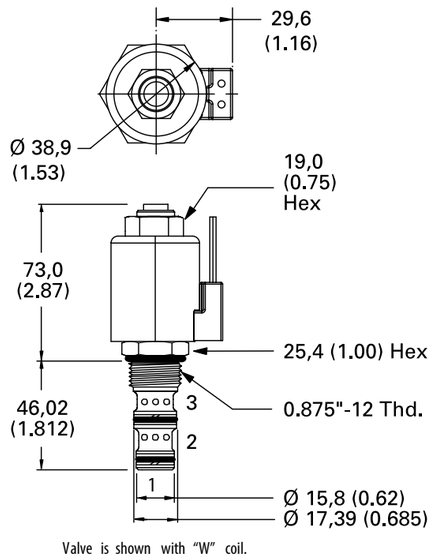
8 Special features

00 - None

Only required if valve has special features, omitted if "00."

Dimensions

mm (inch)



Valve is shown with "W" coil.

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