Related Fluid Power

Mechanical Directional Control.
Manual Poppet Valve, 2 Way NC, Pull, Detent - Size 10

D-DEMCB

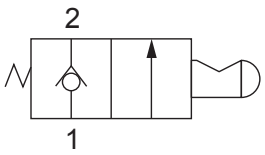
Up to 240 bar - 76 lpm

This normally closed, pull-to-open, poppet valve with detent open position is typically used for blocking or load holding circuits. The valve can be manually pulled open with its knob option, or can be opened mechanically (eg by cable).

Operation

The D-DEMCB blocks flow from (1) to (2) until an operator pulls the shaft outward. The bias spring allows for backpressure at (2) before the valve will open (See option page for pressure).
Note: Pressure at port (2) will directly act on the spool and spring. Port (2) is intended to be a tank port only.

Symbol



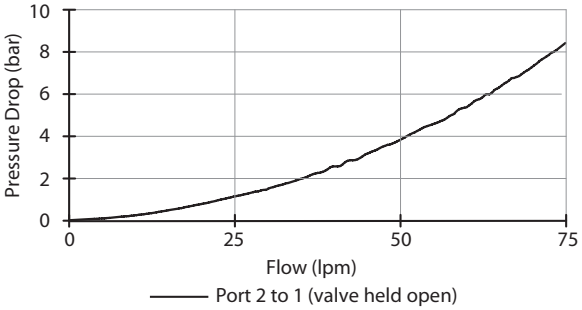
Features

- Hardened parts for long life.
- Industry common cavity.
- Optional bias springs for backpressure application flexibility.

5 bar (75 psi) bias provides comfortable effort where return line is near zero.
11 bar (150 psi) option may be difficult to pull, if tank pressure is near zero.

Performance

32 cSc / 38°C.



Specifications

Nom. Flow (lpm)	76
Max. Pressure (bar)	240
Internal Leakage (32 cSt)	0.25 cc/min
Hydraulic Oil	General purpose hydraulic fluid
Viscosity Range	3 to 640 cSt
Filtration	ISO 18/16/13
Operating Temp.	-40 to 120˚C
Cartridge Torque	41 Nm
Cavity	DE10-2 (see cavity data page **CAV-DE10-2**)
Spare Seal Kit (Viton)	SK-DDEVHA
Weight - Valve only	0.13 kg
Weight - Valve + Body	0.36 kg (alum) 0.78 kg (steel)

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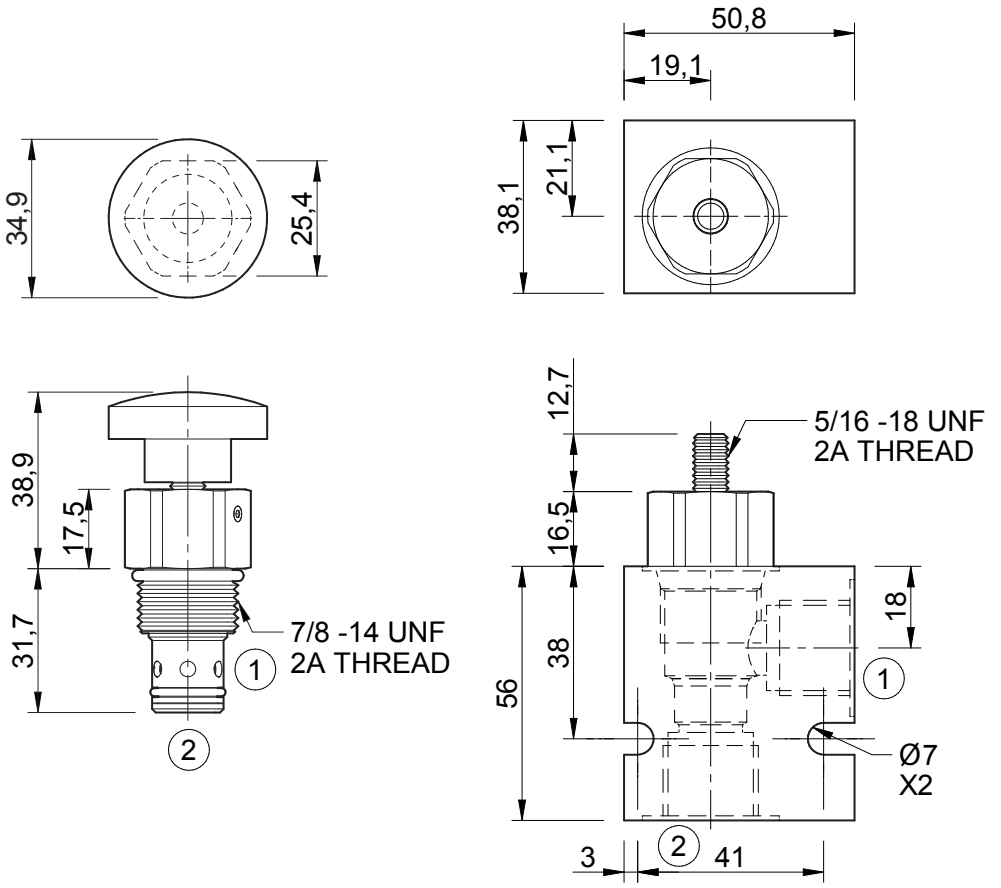
Dimensions

[mm]



To Operate

Pull knob.

Ordering Code

D-DEMCB ** **** * * *

Options
00 - Nitrile
V0 - Viton
A0 - Nitrile, screen
W0 - Viton, screen
0K - Nitrile, knob
VK - Viton, knob
AK - Nitrile, knob, screen
WK - Viton, knob, screen

NOTE: Use screen only if flow direction is from (1) to (2).

Knob Part No.
PT-KN34502000

Spring bias pressure
0065 - 5 bar (65 psi)
0160 - 11 bar (160 psi)

NOTE: Pressure above SPRING BIAS PRESSURE at port (2) may cause valve to self open

Port size (BSP)
B - 3/8"
C - 1/2"
Options - See page **B-DEE**

No. of ports
2 - 2 ports
Options - See page **B-DEE**

Body material
A - Aluminium
S - Steel

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