Hydraulic Integrated Circuit.
Double Pilot Operated Check Valve - Size 7.

D-MDPOC

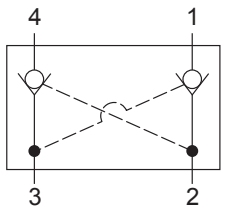
Up to 210 bar - 19 lpm

This is a dual pilot operated check valve typically used for blocking or load-holding double acting actuators.

Operation

The D-MDCDP allows flow to pass from (3) to (4) and (2) to (1). The valve blocks flow from (4) to (3) and from (1) to (2). Blocked flow is released when pilot pressure is applied to the port opposite of (3) and /or (2) respectively. The valve has a 3:1 pilot ratio, so at least 1/3 of the load pressure at port (4) or (1) is required at the pilotline ports (ports (4) or (1) respectively) to open the flow passage to allow flow from port (4) or (1) respectively. The check spring biased at 1.4 bar to assure holding in the static or no-load conditions.

Symbol



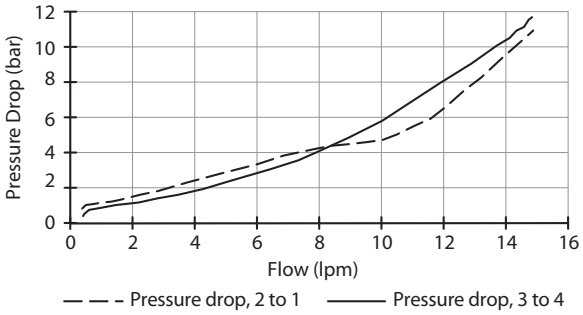
Features

- Hardened parts for long life.
- Industry common cavity.

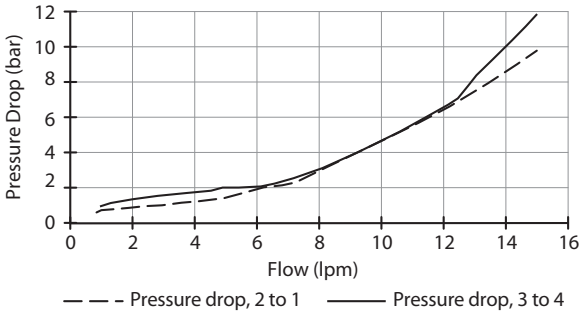
Great for "in cylinder" use applications.

Performance

32 cSc / 38°C.



Pressure Drop - Piloted.



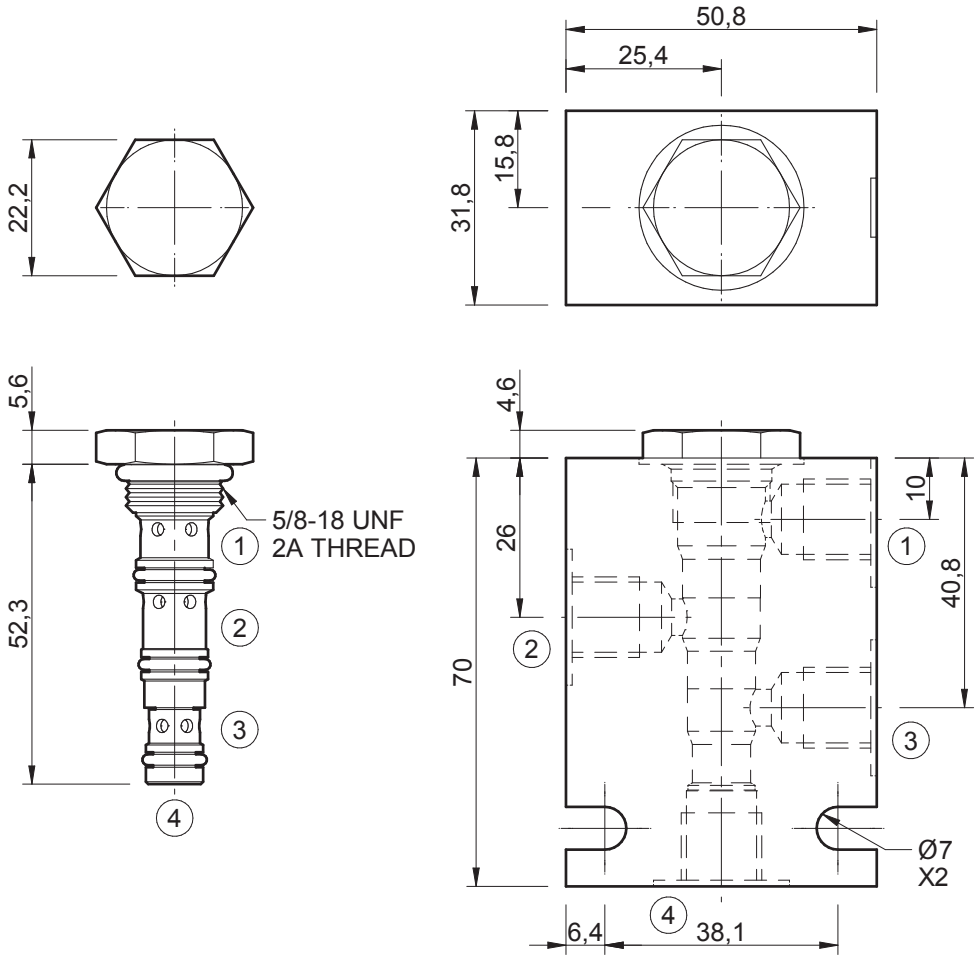
Specifications

Nom. Flow (lpm)	12
Max. Pressure (bar)	210
Pilot Ratio	3:1
Internal Leakage (32 cSt)	0 to 0.25 cc/min at 210 bar
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	20 Nm
Cavity	MD07-4 (see cavity data page **CAV-MD07-4**)
Spare Seal Kit (Viton)	SK-DMDU
Weight - Valve only	0.04 kg
Weight - Valve + Body	0.30 kg (alum) 0.78 kg (steel)

Related Fluid Power Ltd. T: 0044 (0)1334 655600 F: 0044 (0)1334 650006 E: sales@relatedfluidpower.com www.relatedfluidpower.com

Dimensions

[mm]



Ordering Code

D-MDCDP ** **** * * *

Options	Spring bias	Port size (BSP)	No. of ports	Body material
U0 - Urethane standard	**0020** - 1.4 bar (20 psi)	**A** - 1/4”	**4** - 4 ports	**A** - Aluminium
		Options - See page **B-DMD**	**Options** - See page **B-DMD**	**S** - Steel