




Up to 275 bar - 57 lpm

This is a direct-acting differential area poppet type relief valve, typically used to provide main relief protection against surge and overload conditions. It is fast acting and dirt tolerant and can be used for continuous duty and intermittent applications providing accurate stable pressure control. It also has a flat pressure rise versus increase in flow rate and a has reasonably high flow capacity relative to physical size.

Operation

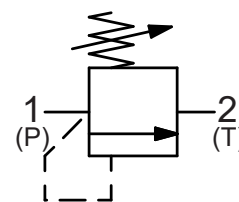
The D-DERWD blocks flow from (1) to (2) until sufficient pressure is present at (1) to force the poppet to open and allow metered flow from (1) to (2). The cartridge offers smooth transition in response to load changes in common hydraulic circuits.

Adjustment

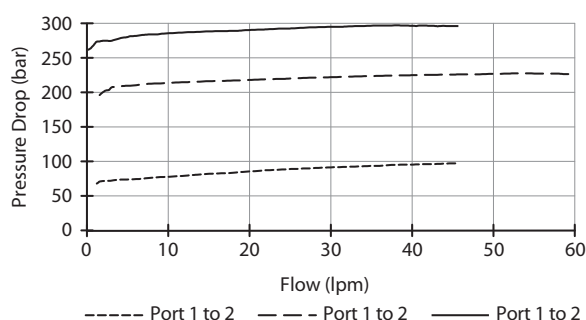
Turn  to increase pressure.

Features

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

Symbol

Performance

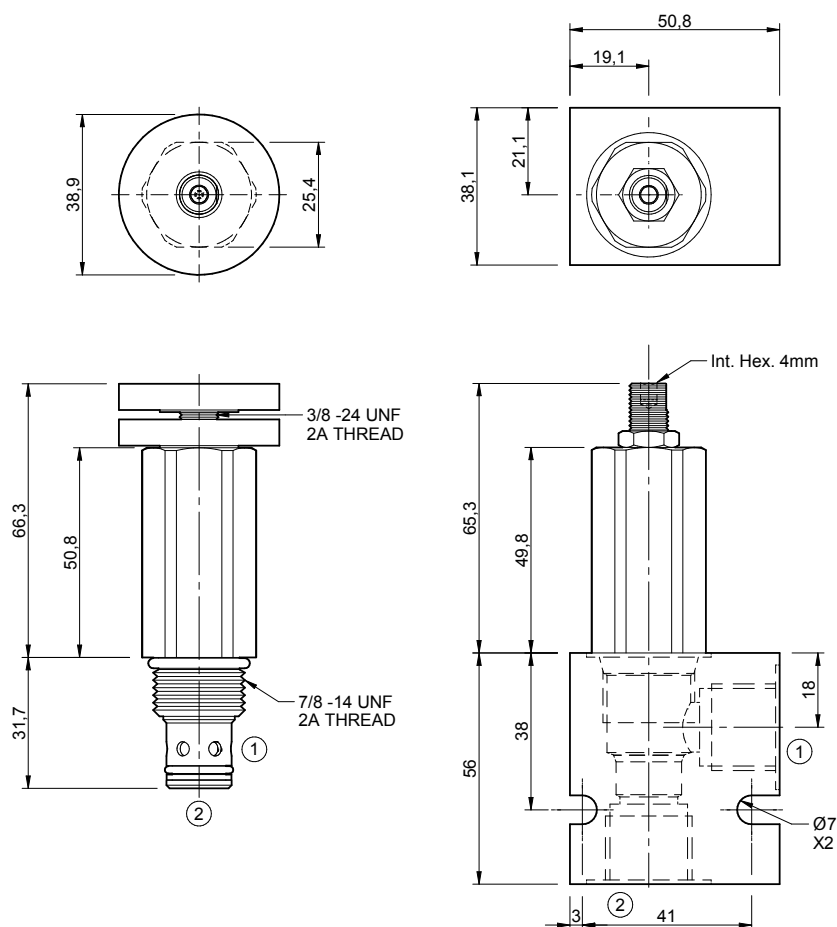
32 cSt / 38°C.


Specifications

Nom. Flow (lpm)	57
Max. Pressure (bar)	275
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	0.25 kg
Weight - Valve + Body	0.48 kg (alum) 0.90 kg (steel)

Dimensions

[mm]



Ordering Code

D-DERWD

D-DERWD

	**	****	*	*	*
Options	Pressure setting	Port size (BSP)	No. of ports	Body material	
00 - Nitrile	Ext./Int. Adjustable	B - 3/8"	2 - 2 ports	A - Aluminium	
V0 - Viton	0500 - 7 to 34 bar	C - 1/2"	Options - See page B-DDE	S - Steel	
A0 - Nitrile, Screen	3000 - 7 to 210 bar	Options - See page B-DDE		For pressures over 210 bar use steel.	
W0 - Viton, Screen	4000 - 210 to 275 bar				
0K - Nitrile, Knob	Tamper Proof				
VK - Viton, Knob	Fill in 4 digit pressure setting e.g. 034B - 34 bar				
AK - Nitrile, Knob, Screen					
VK - Viton, Knob, Screen					

Knob Part No.
PT-KN22020049