



Up to 276 bar - 57 lpm

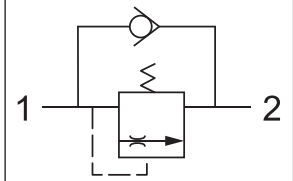
This is a hydraulic check valve with integral low flow thermal relief function used for load holding and protecting a cylinder from temperature induced pressure intensification.

Operation

The D-DECVT allows free flow passage from (2) to (1), and blocks flow from (1) to (2). If the pressure at (1) exceeds the thermal relief valve setting, a small amount of oil will be allowed to pass from (1) to (2), preventing cylinder damage from excessive pressure. The cartridge has a fully guided poppet, which is spring biased closed until sufficient pressure is applied at (2) to open to (1).

NOTE: The relief valve feature is not intended for use in dynamic pressure limiting applications. Consult factory.

Symbol



Features

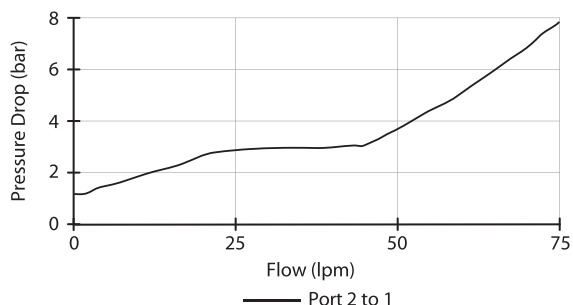
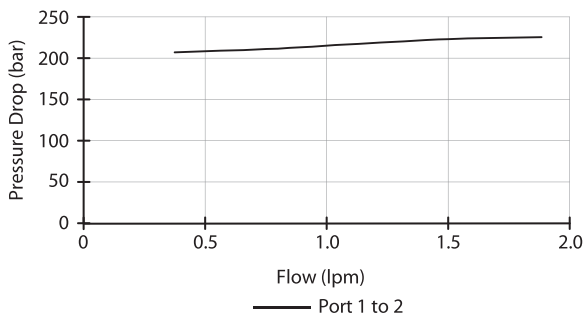
- Hardened parts for long life.
- Optional bias springs for backpressure application flexibility.
- Fully guided poppet assembly.
- Industry common cavity.



Nominal flow rating is 57 lpm for free flow port (2) to (1). Consult chart for free flow differential pressure. Thermal relief is cyclic rated to 0.39 L. Port (1) to (2) chart demonstrates override characteristics for a typical thermal relief application.

Performance

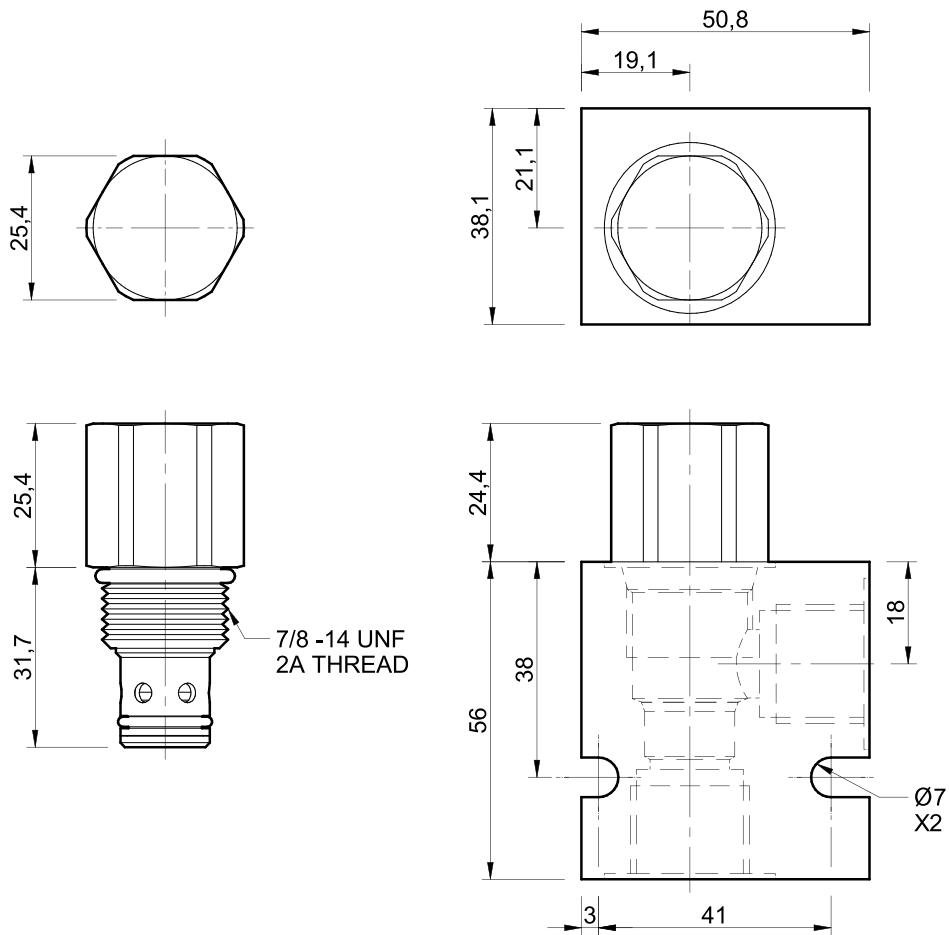
32 cSc / 38°C.



Specifications

Nom. Flow (lpm)	57
Max. Pressure (bar)	276
Internal Leakage (32 cSt)	0.50 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	0.14 kg
Weight - Valve + Body	0.37 kg (alum) 0.79 kg (steel)

Dimensions
[mm]



Ordering Code

