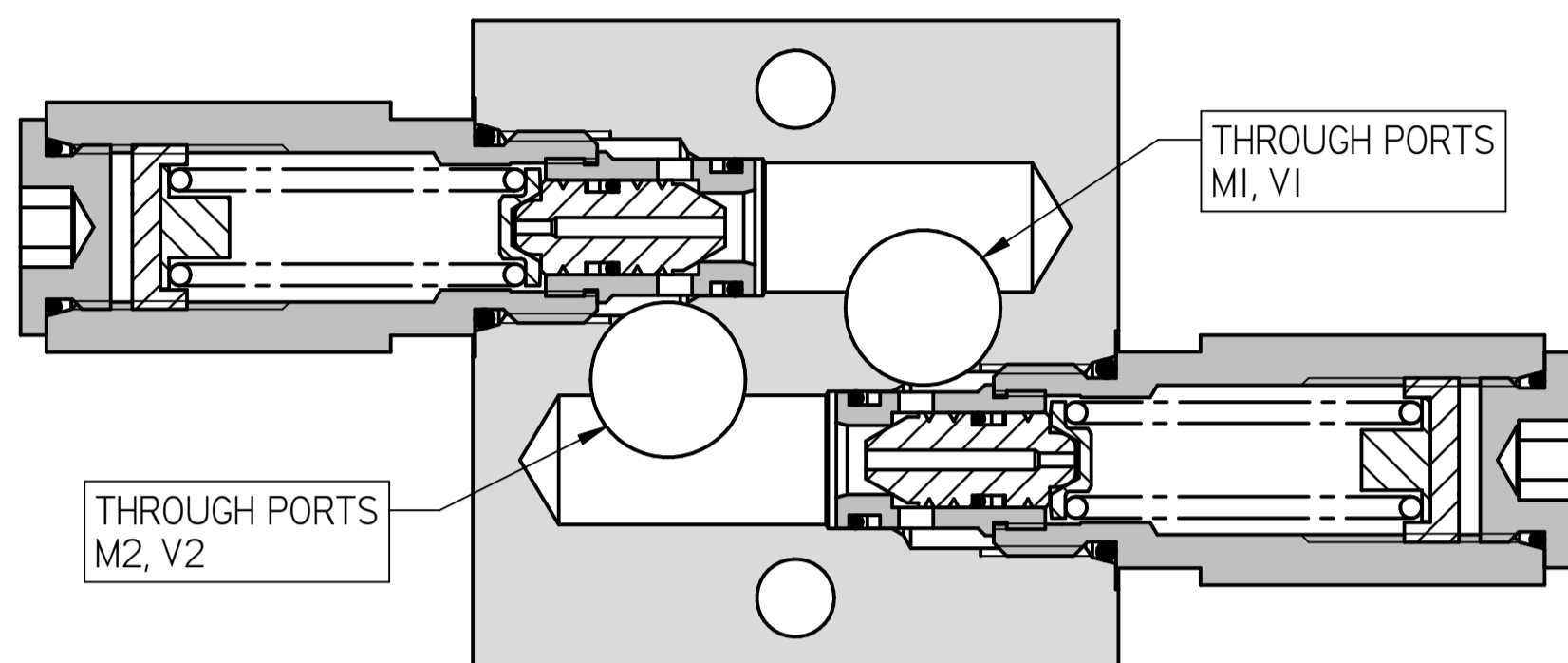
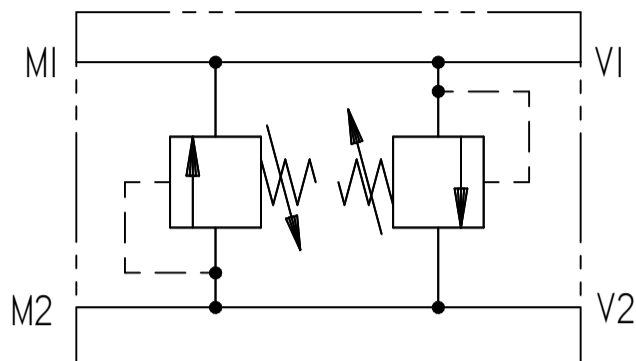


FLUID POWER SYMBOL



Application

The DDRV3 valve is used to provide pressure relief and to protect Directional Valves and actuators from shock or surge pressures induced by changes in direction or sudden stops which create excessive load conditions. With closed centre DCVs it also prevents cavitation.

Operation

The cross line differential area relief valves exhaust the oil from one line to another when the pressure exceeds the spring force in either of the valves. Line M1-V1 is relieved into line M2-V2 and vice versa using the two valves. The valve should mount as close to the actuator as possible.

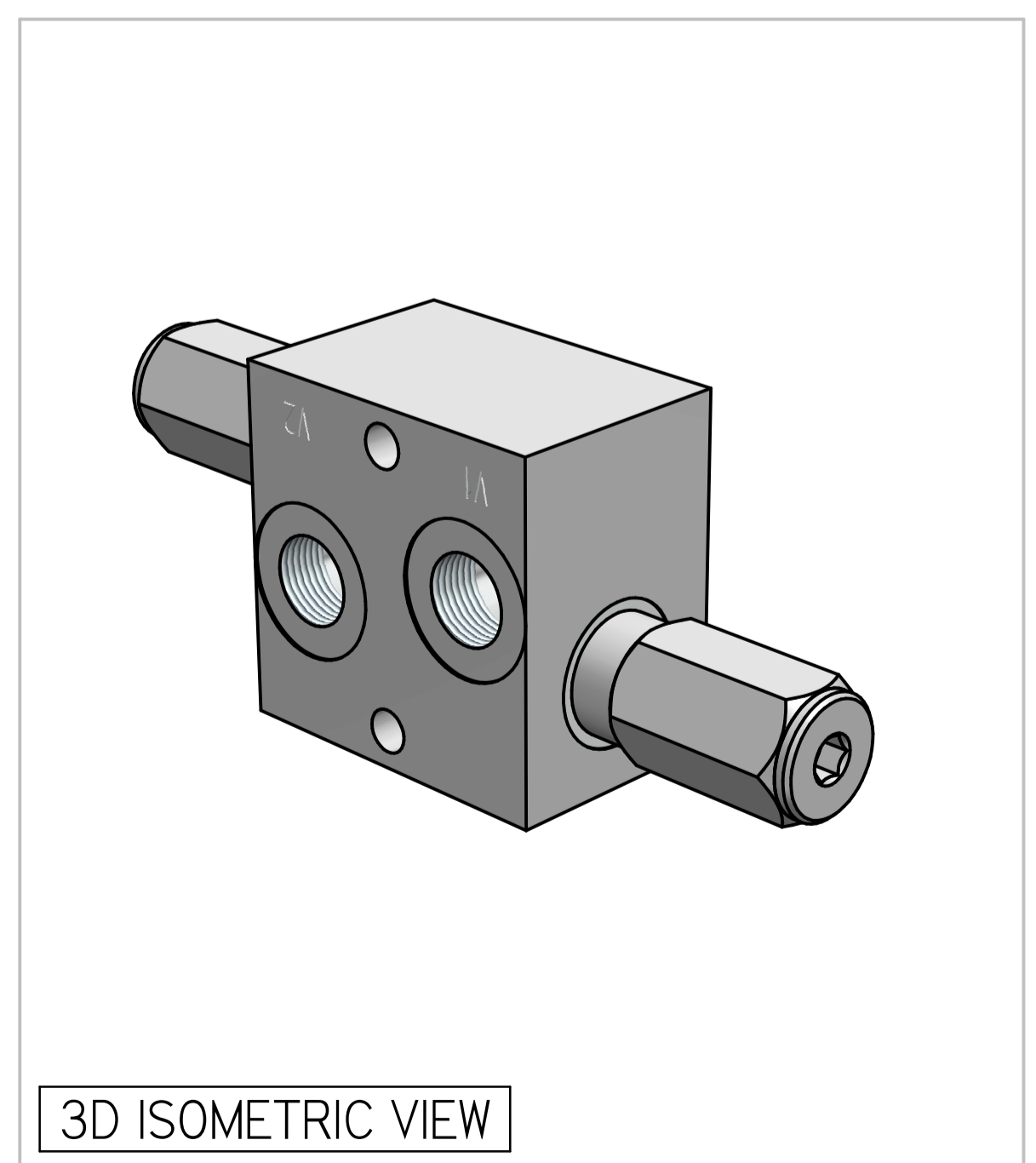
Features

Hardened and ground working parts give long, trouble-free life. Consistent stable operation is achieved providing low pressure over ride with increasing flow.

Specifications

Figures based on: Oil Temp = 40°C Viscosity = 40 cSt

Rated Flow	60 lpm
Max Setting	170 bar
Cartridge Material	Working parts : Hardened, ground steel External surfaces : Zinc plated
Weight	DDRV3: 1.600 kg
Cavity Number	SAE10-2 (Refer Cavities Section)
Manifold Material	Aluminium (upto 250 bar)
Torque into Cavity	45 Nm
Mounting	Line
Seal Kit Number	SKDARV3 (Nitrile) SKDARV3 V (Viton®)
Filtration Level	BS5540/4 Class 18/13 (25µ nominal)
Operating Temp	-20°C to +90°C (Standard Seals)
Leakage	Less than 0.3 millilitres/min (5 dpm)
Viscosity Range	5 to 500 cSt



3D ISOMETRIC VIEW

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

TO ORDER

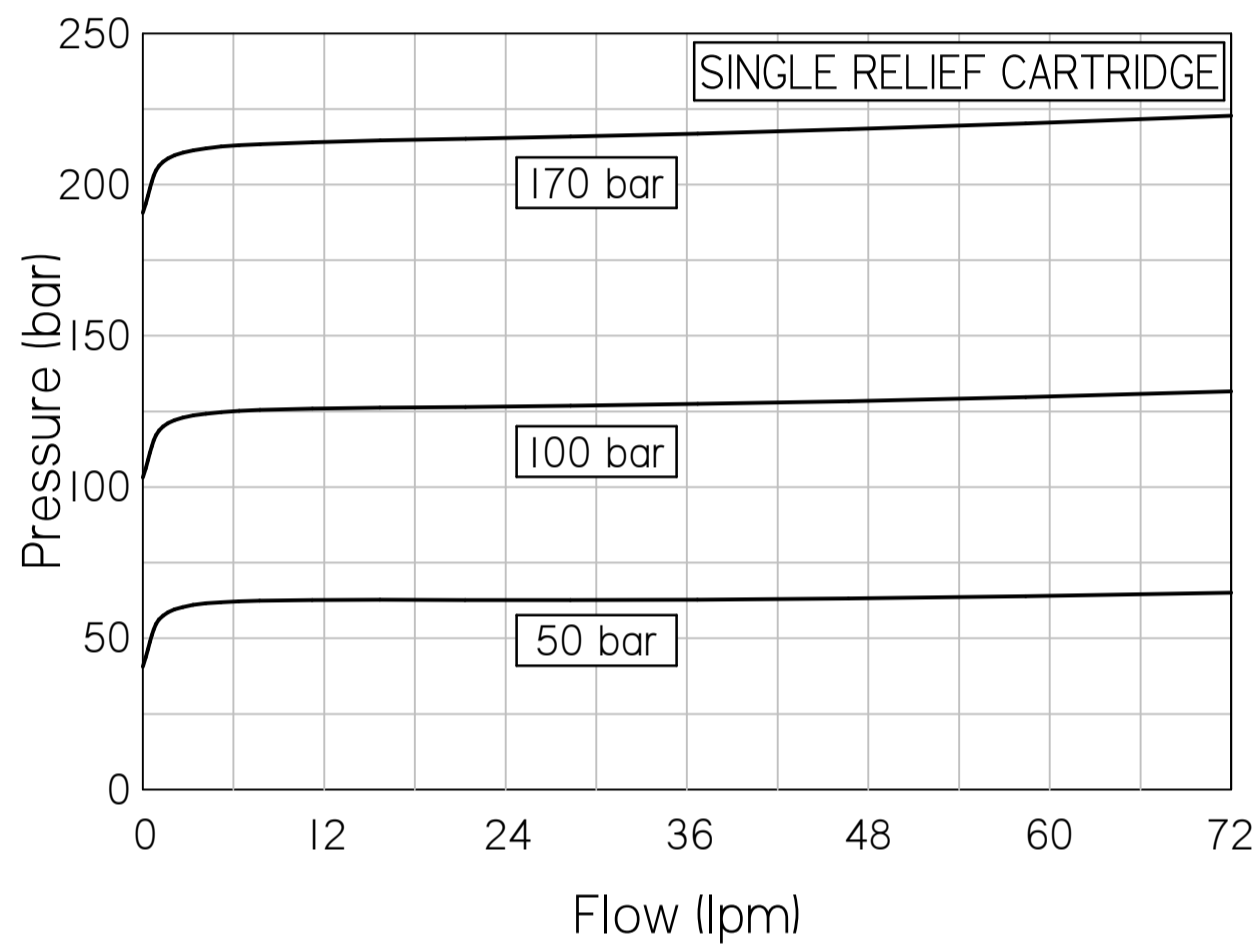
DDRV3 | 4W 17

BASIC CODE ————
ADJUSTMENT ————
I: INTERNAL

PRESSURE RANGE
17: 10 to 170 bar

PORT SIZE
4W: 1/2 BSP PORTS

PRESSURE CHARACTERISTICS

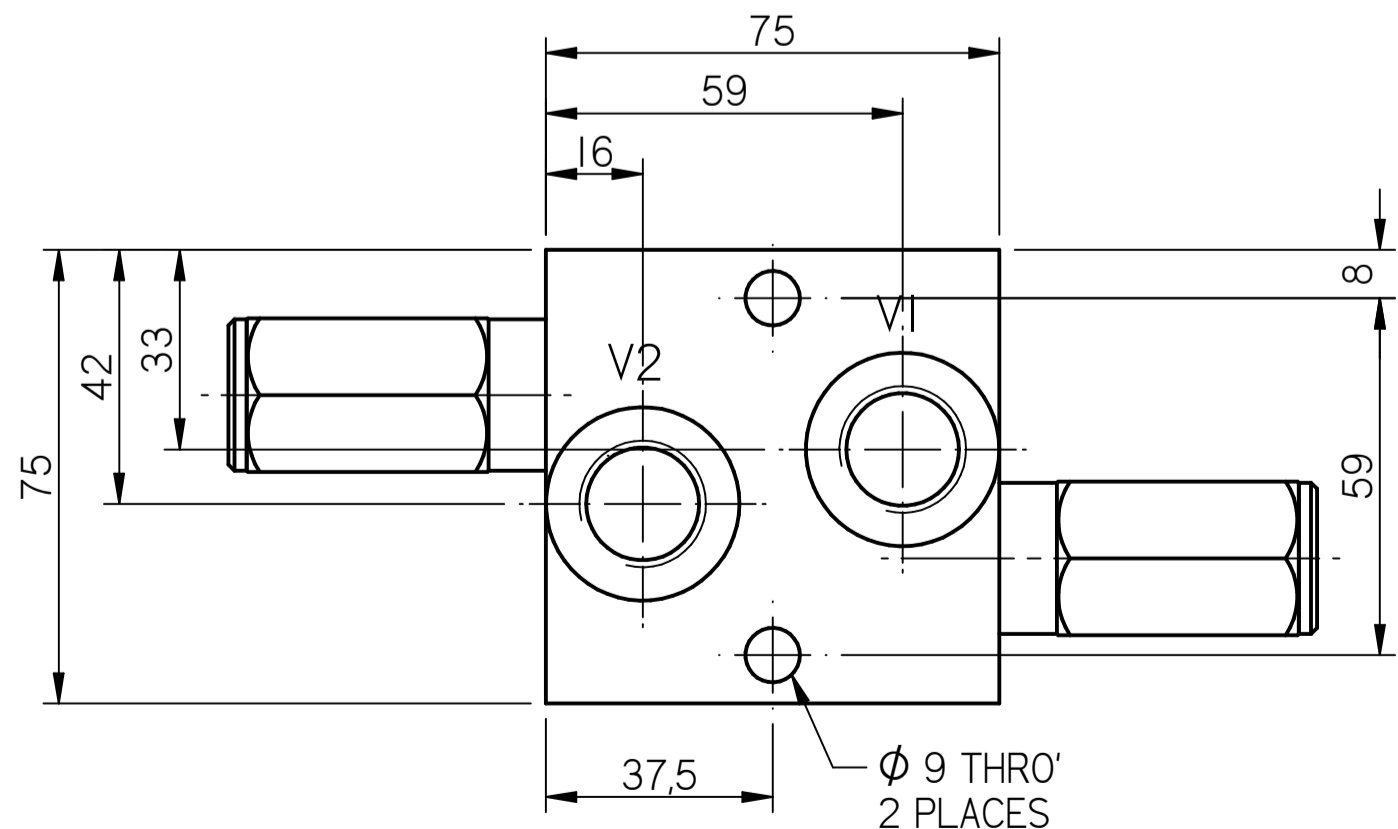
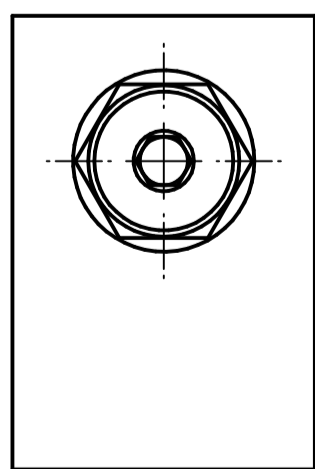
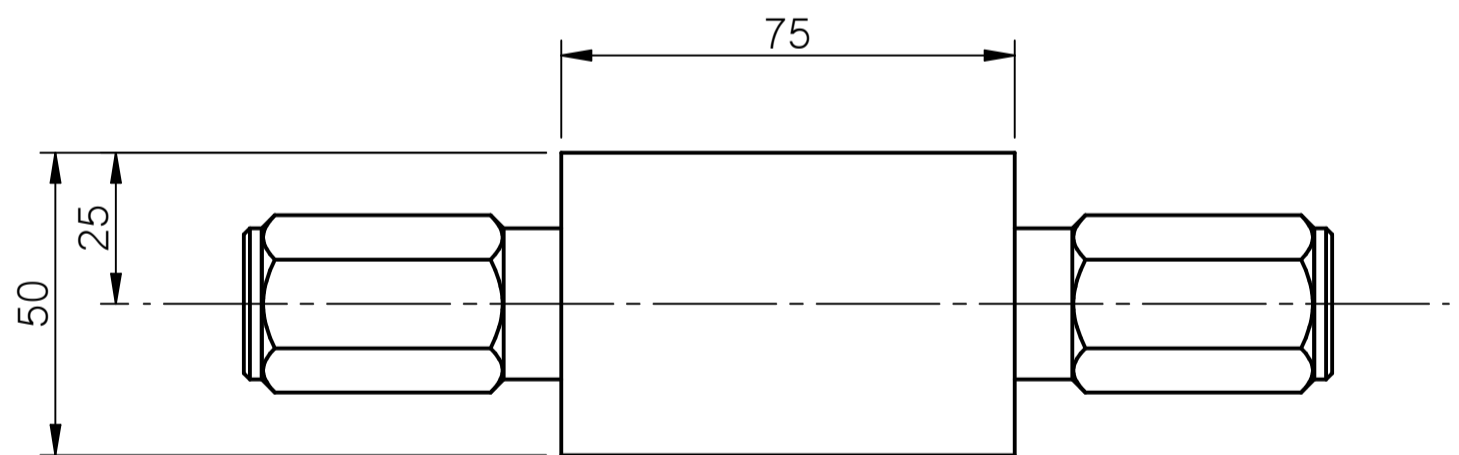
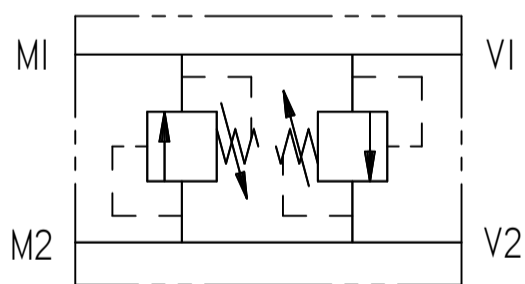


COMPLETE VALVE 1/2" BSP PORTS

BASIC CODE: DDRV3 4W

ONLY Body Part Numbers (BSP)

Aluminium	SG Iron
1/2" Z10245	1/2" Z10245S



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