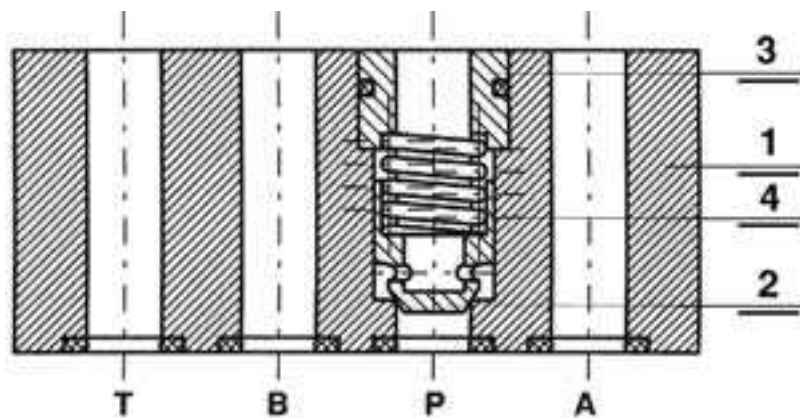


Check valves of sandwich plate design are intended for mating with control valves. They allow free flow of fluid in one direction and self-acting closure in the opposite direction. Valves can be mounted in any position as an intermediate element between a subplate and a control valve.



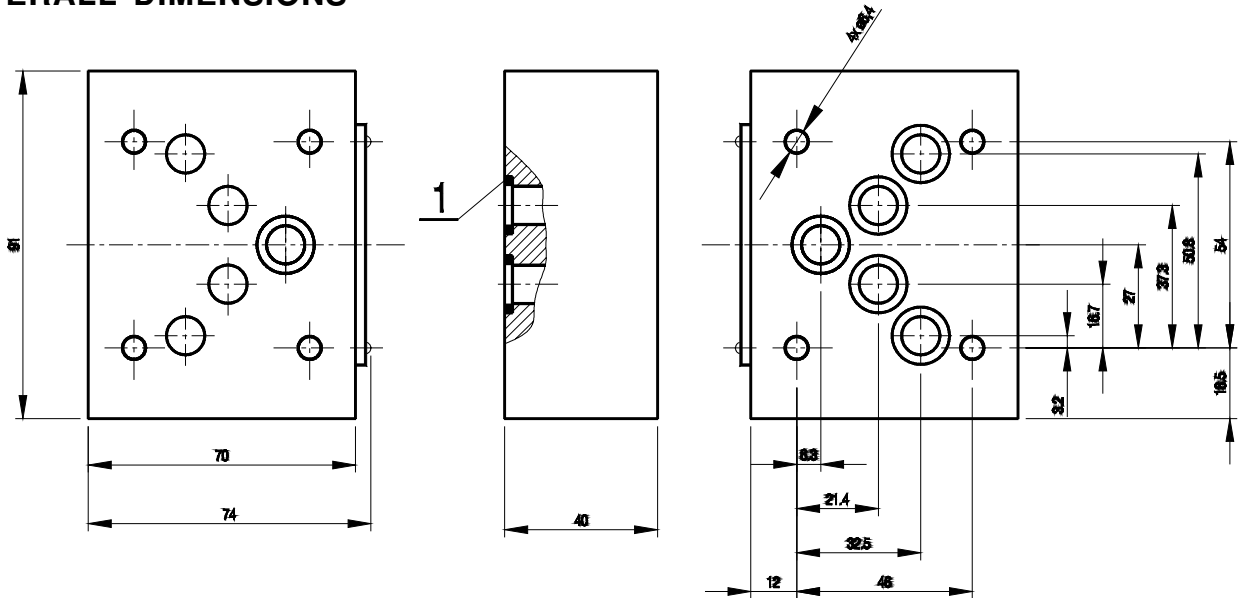
### DESCRIPTION OF OPERATION

The sleeve 3 with the seat for the spring 4 is fitted in the housing 1. The spring pushes the poppet 2 to the edge of port P in the housing 1. When pressure difference in port P exceeds the cracking pressure determined by the spring, the poppet will move allowing free flow in line P. Ports A, B, T serve as flow passages.

### TECHNICAL DATA

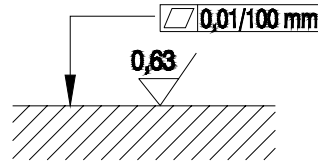
Hydraulic fluid	Mineral oil or phosphate ester
Nominal fluid viscosity	37 mm <sup>2</sup> /s at the temperature of 328 K
Viscosity range	2.8 to 380 mm <sup>2</sup> /s
Optimum working temperature ( fluid in a tank )	313 - 328 K
Fluid temperature range	243 - 343 K
Required fluid filtration	16 μm
Recommended fluid filtration	10 μm
Maximum working pressure	32 MPa
Cracking pressure	0.05 MPa
Weight	1.8 kg

# OVERALL DIMENSIONS

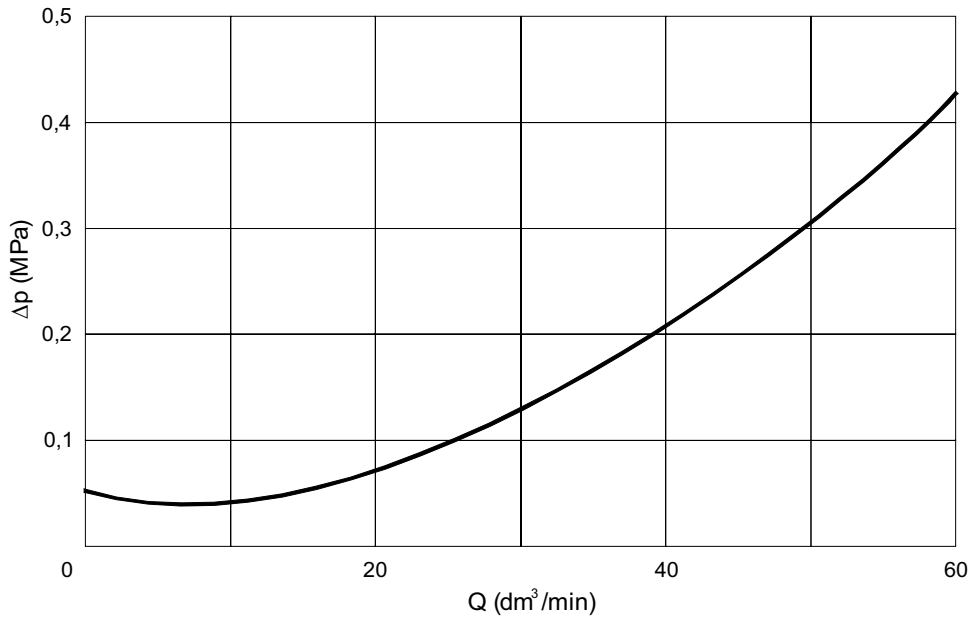


item 1 - o-ring 12 × 2 - 5 pieces

Admissible surface roughness and flatness deviation for a subplate face.



# PERFORMANCE CURVES, measured at $v = 41 \text{ mm}^2/\text{s}$ and $T = 323 \text{ K}$





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