



CHECK VALVE TYPE WZZC 10 SANDWICH PLATE

**WK
450 367**

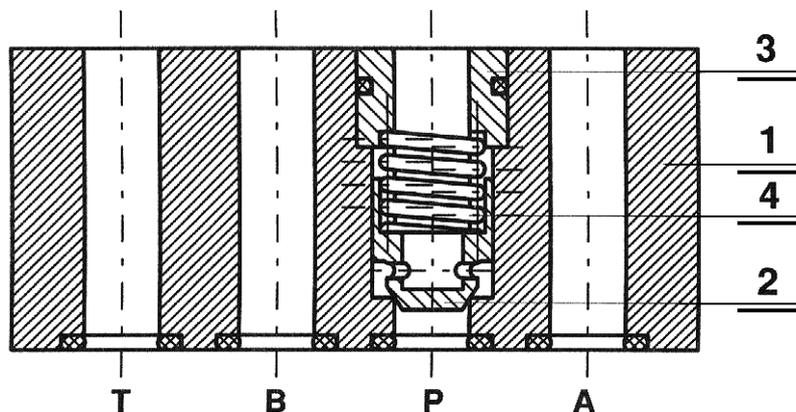
Size 10

up to 32 MPa

60 dm³/min

04.2000r.

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.



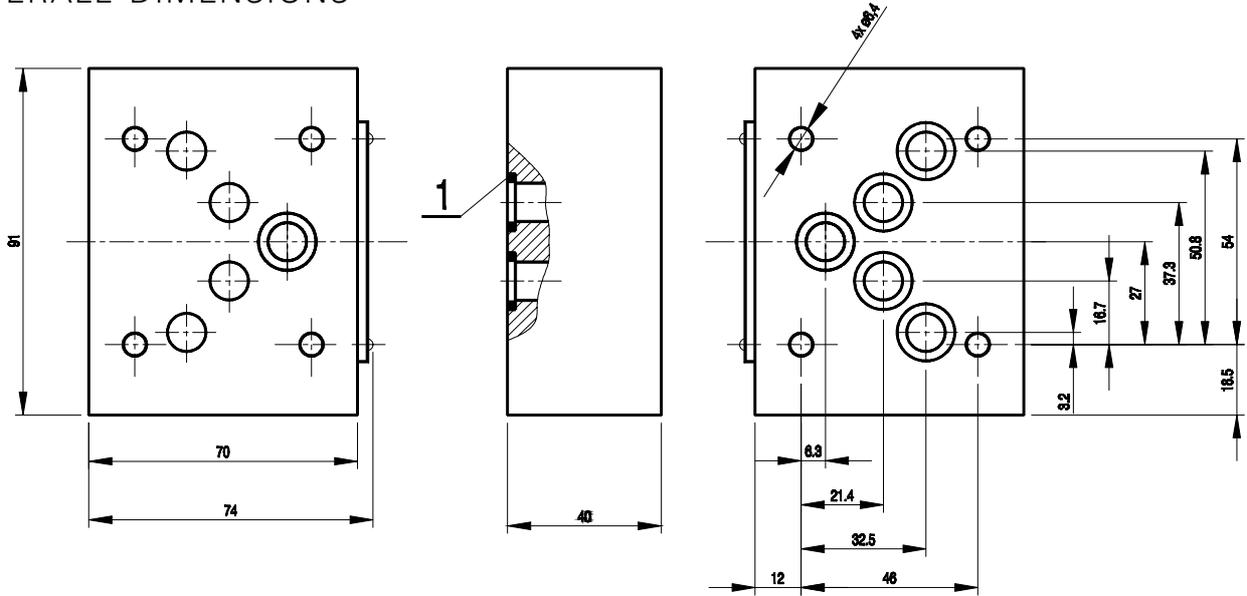
DESCRIPTION OF OPERATION

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

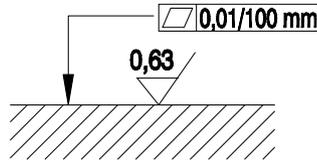
| | |
|---|---|
| Hydraulic fluid | Mineral oil or phosphate ester |
| Nominal fluid viscosity | 37 mm ² /s at the temperature of 328 K |
| Viscosity range | 2.8 to 380 mm ² /s |
| Optimum working temperature (fluid in a tank) | 313 - 328 K |
| Fluid temperature range | 243 - 343 K |
| Required fluid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

OVERALL DIMENSIONS

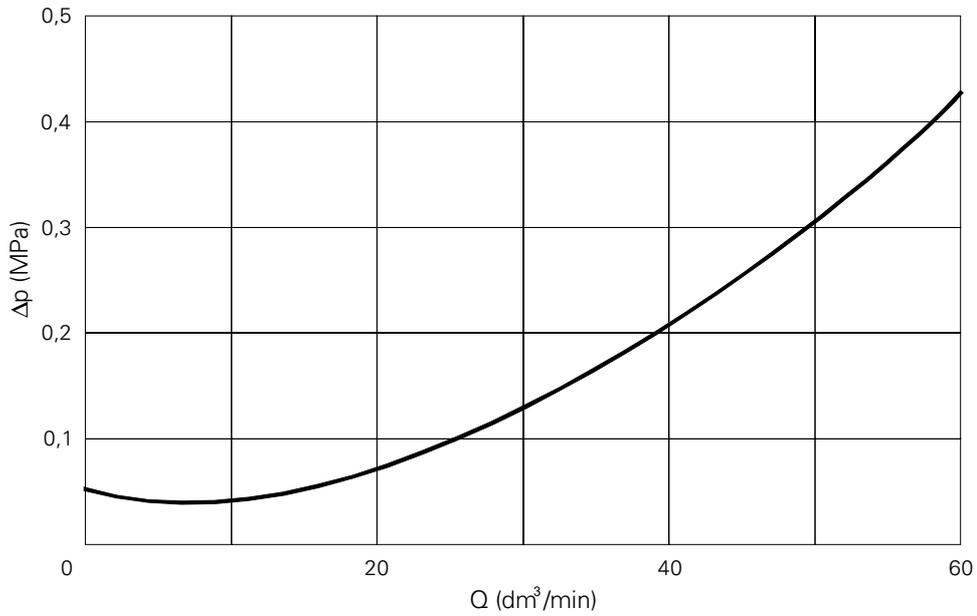


item 1 - o-ring 12 × 2 - 5 pieces

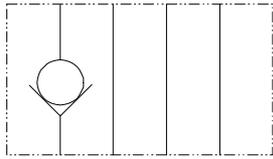
Admissible surface roughness and flatness deviation for a subplate face.



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

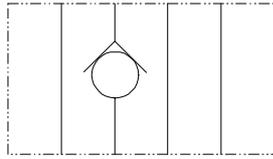


SCHEMES



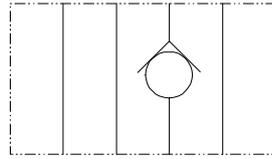
P A B T

WZZC 06-22 P



P A B T

WZZC 06-22 A



P A B T

WZZC 06-22 B

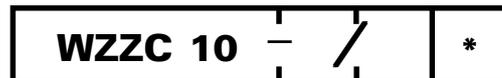


P A B T

WZZC 06-22 T

HOW TO ORDER

Orders coded in the way showed below should be forwarded to the manufacturer.



Series number :
 20 = 20
 (20 - 29) - installation and connection
 dimensions unchanged

Additional requirements in clear text
 (to be agreed with the manufacturer)

Sealing
 Fluids on mineral oil base = no designation
 Fluids on phosphate ester base = V

Coding example : WZZC 10 - 20

NOTES :



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