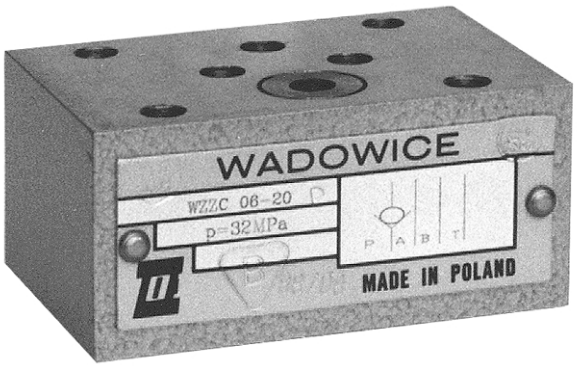
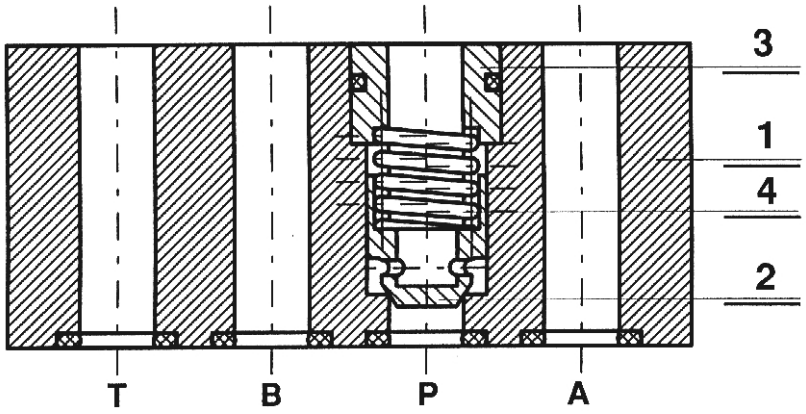
PONAR wadowice	CHECK VALVE TYPE WZZC 06 SANDWICH PLATE			WK 450 355
	Size 06	up to 32 MPa	20 dm³/min	04.2003r.

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.





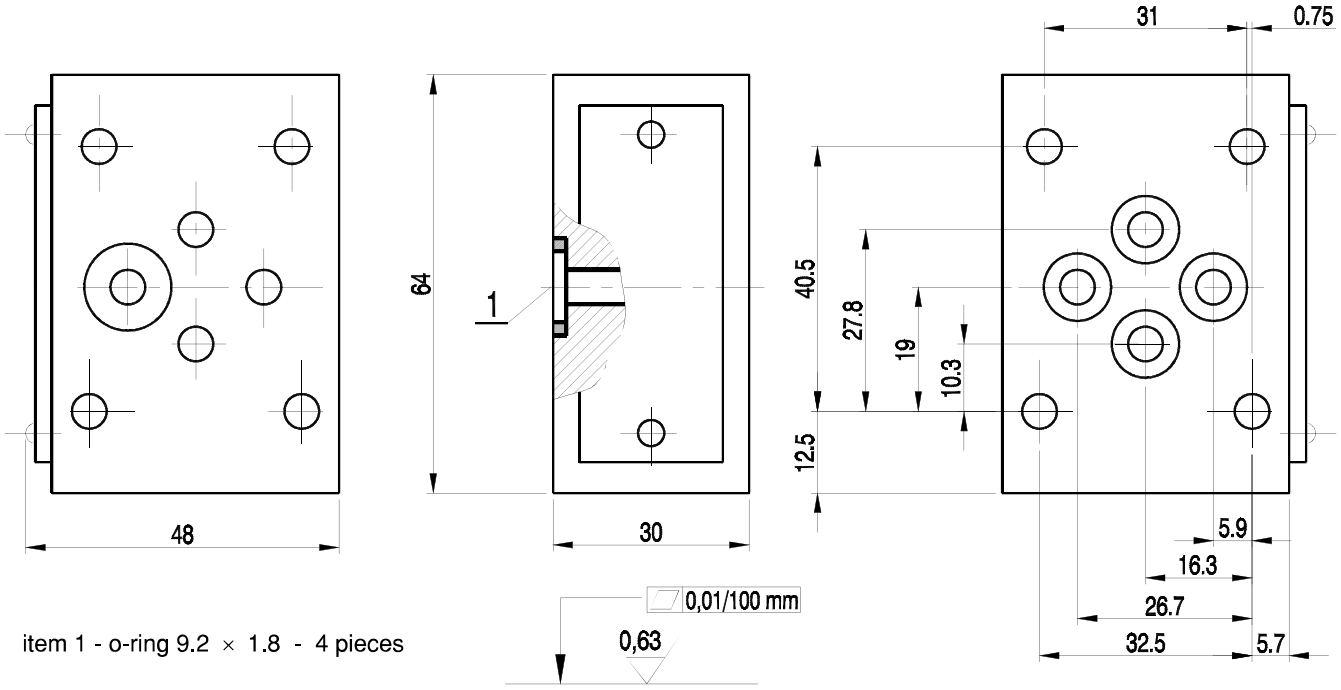
DESCRIPTION OF OPERATION

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, A, B, T or A and B.

TECHNICAL DATA

Hydraulic fluid	Mineral oil or phosphate ester
Nominal fluid viscosity	37 mm²/s at the temperature of 328 K
Viscosity range	2.8 to 380 mm²/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	0.6 kg

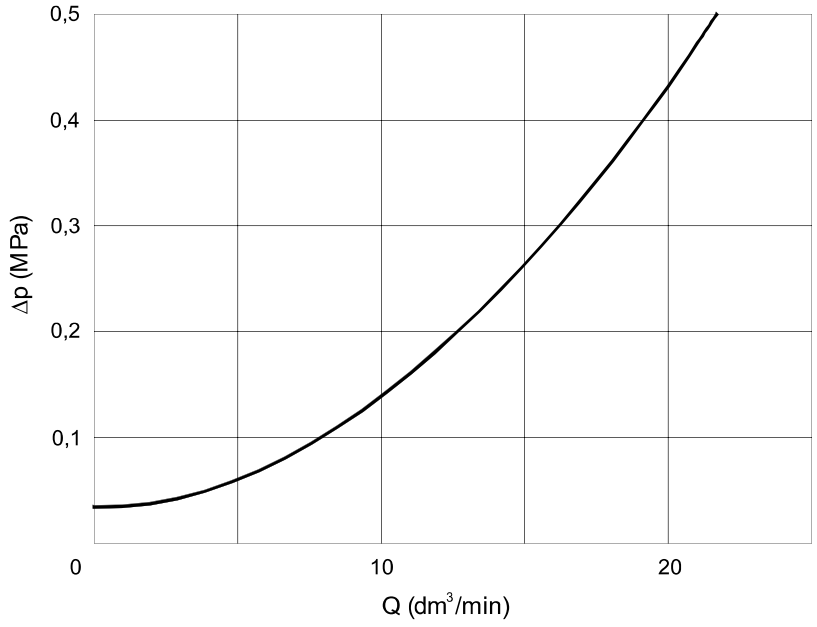
OVERALL DIMENSIONS



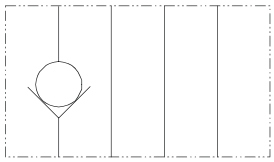
item 1 - o-ring 9.2 × 1.8 - 4 pieces

Admissible surface roughness and flatness deviation for a subplate face.

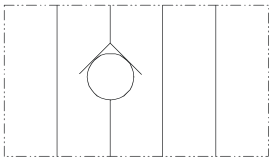
PERFORMANCE CURVES, measured at ν = 41 mm²/s and T = 323 K



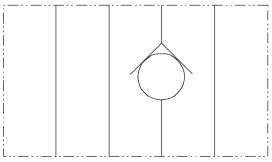
SCHEMES



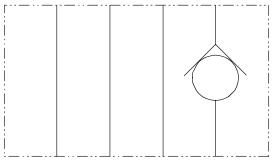
WZZC 06-22 P



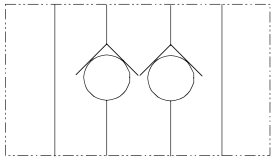
WZZC 06-22 A



WZZC 06-22 B



WZZC 06-22 T



WZZC 06-22 AB

HOW TO ORDER

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

WZZC 06 – 32 | A | V | *

Series number :
22 = 22
(20 - 29) - installation and connection dimensions unchanged

Check velve:

Port P	= P
Port A	= A
Port B	= B
Port T	= T
Port A and B	= AB

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 06 - 22P