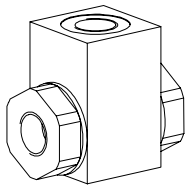
Shuttle valve
for installation in pipes
- **Q_{max} = 40 l/min**
- **p_{max} = 210 bar**



DESCRIPTION
Shuttle valve for installation in pipes with two tapped mounting holes for fixation. Main body has a phosphated surface while the two bushes for the side ports P1 and P2 are zinc coated.

FUNCTION
The shuttle valve opens the oil passage from P1 → A or P2 → A. The port (P1, P2) with the higher pressure will open. The low pressure port is seald off leak free by a soft seal. Flow from A → P1 or A → P2 is possible in shifted spool position.

APPLICATION
This shuttle valve is used where an oil consumer is fed from two separate supplys with priority to the supply with the higher pressure. See application example.

CONTENT

TYPE CODE
WRV 6 38 # □

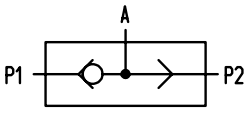
- WRV: Shuttle valve
- 6: Nominal size a NG6
- 38: Threaded connection G3/8"
- #: Design-Index (Subject to change)

GENERAL SPECIFICATIONS

Designation	Shuttle valve
Construction	Threaded body
Mounting	Installation in pipes, mounting panels
Connection type	Threaded connections G3/8"
Ambient temperature	-20 ... +50°C
Mounting position	any
Weight	m = 0,6 kg

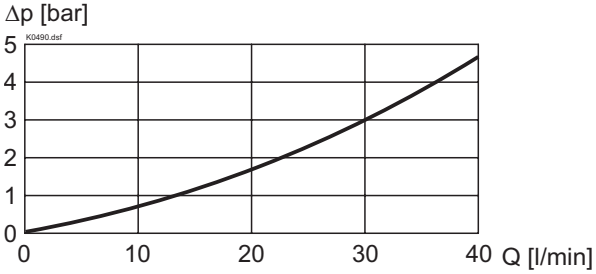
HYDRAULIC SPECIFICATIONS

Fluid	Mineral oil, other fluid on request
Contamination efficiency	ISO 4406:1999, class 20/18/14…21/19/15 (Required filtration grade ß 10...25≥75) refer to data sheet 1.0-50/2
Viscosity range	12mm²/s...320mm²/s
Fluid temperature	-20...+70°C
Peak pressure	p_{max} = 210 bar
Max. volume flow	Q_{max} = 40 l/min

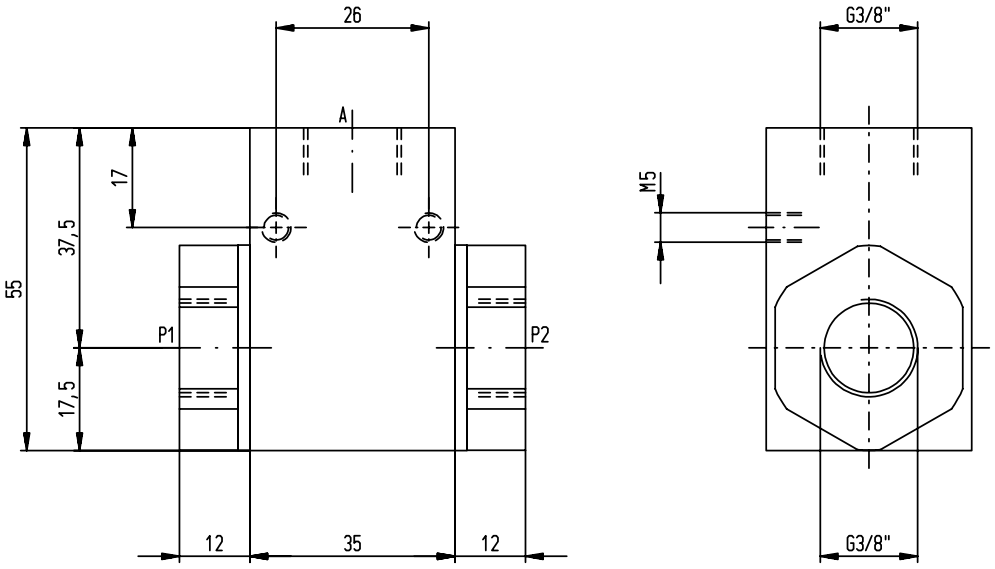
SYMBOLS


CHARACTERISTICS Oil viscosity υ = 30 mm²/s

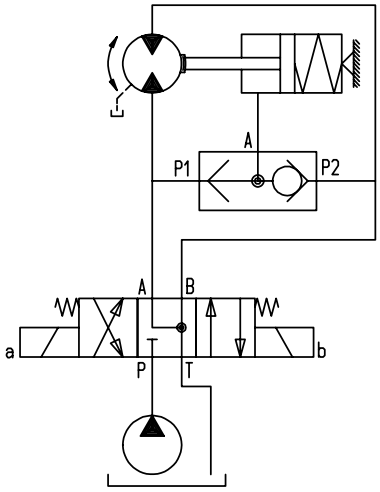
$\Delta p = f(Q)$ Pressure loss - volume flow - curve P1 → A and P2 → A



DIMENSIONS



APPLICATION EXAMPLE



Technical explanation see data sheet 1.0-100E