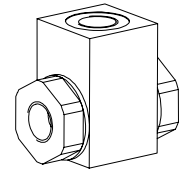


**Shuttle valve
for installation in pipes**

- $Q_{max} = 40 \text{ l/min}$
- $p_{max} = 210 \text{ bar}$


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 sealed 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 supplies with priority to the supply with the higher pressure. See application example.

TYPE CODE

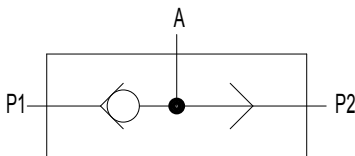
	WRV	6	38	#	<input type="checkbox"/>
Shuttle valve					
Nominal size 6					
Threaded connection G3/8"					
Design-Index (Subject to change)					

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

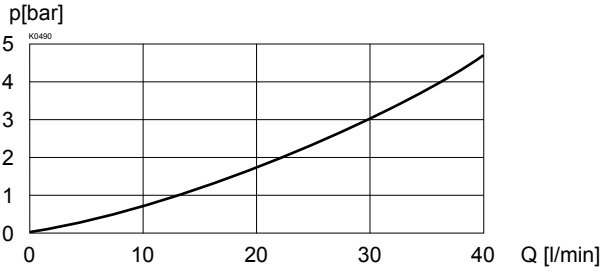
HYDRAULIC SPECIFICATIONS

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

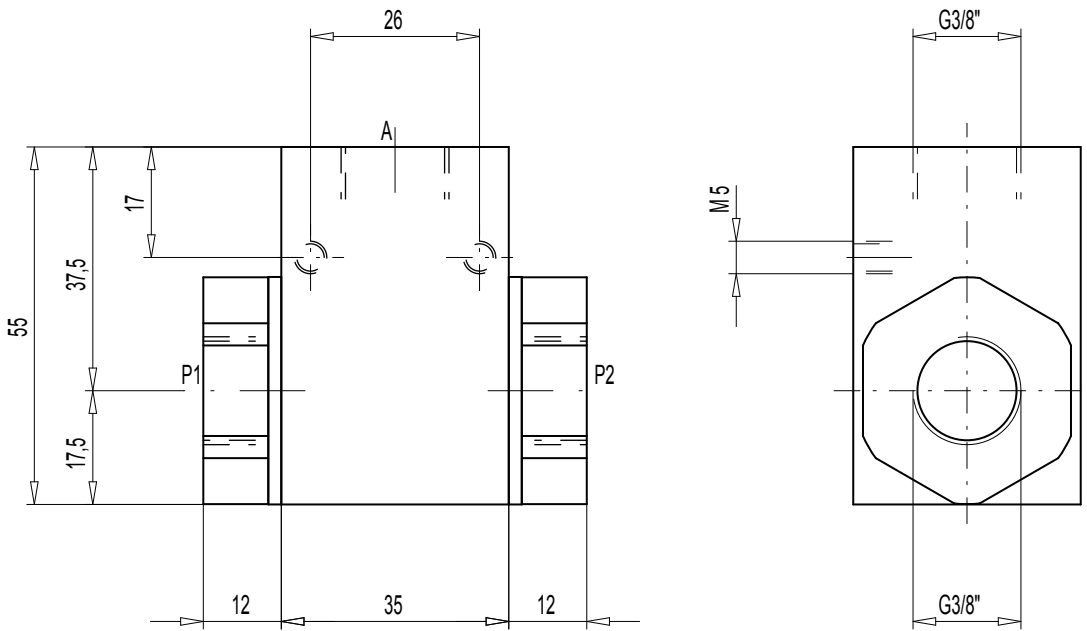
SYMBOLS


CHARACTERISTICS Oil viscosity $\nu = 30 \text{ mm}^2/\text{s}$

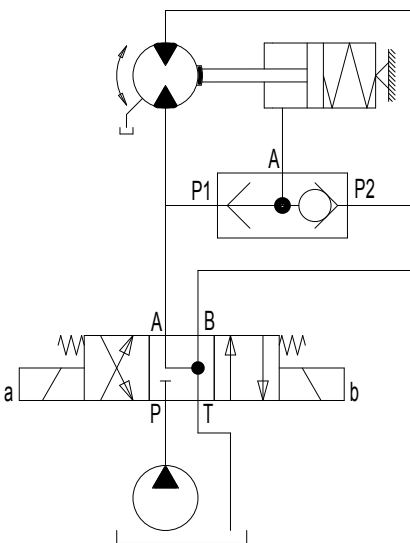
$\Delta p = f(Q)$ Pressure loss - volume flow - curve
P1 → A and P2 → A



DIMENSIONS



APPLICATION EXAMPLE



Technical explanation see data sheet 1.0-100