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VV6

Auxiliary Valves

Shuttle Valve



ENGINEERING YOUR SUCCESS.

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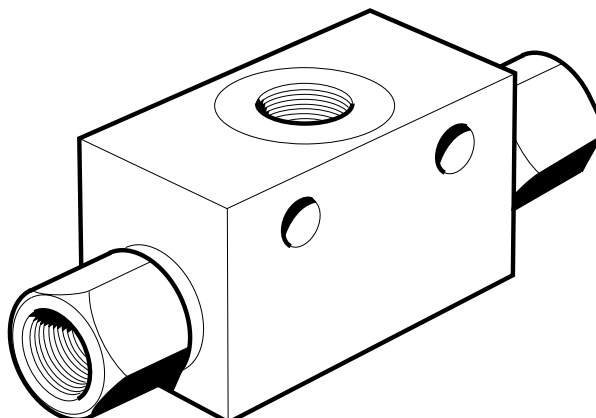
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Applications

The VV6 enables two flows in a hydraulic system to be directed alternately into a common service line. The flow with the highest pressure takes priority.

The valve is intended for use in load-signal systems and in pilot-operated systems that have two alternate operator's stations.

Design and function

The valve consists of a valve housing, a poppet and two valve seats. It has two inlets and one outlet.

The pressure differential that arises when oil flows through the valve pushes the poppet to the opposite inlet and blocks it, at the same time as the outlet is opened. The valve can only be used with the direction of flow going from the inlets to the outlet.

Technical data

Working pressure

Max. 250 bar

Recommended flow rate

Max. 20 l/min

Connections

All connections are available in two versions:

G-version (BSP pipe thread) for flat seal (type Tredo) according to ISO 228/1 and UN version for O-ring seal according to SAE J1926/1.

Weight

Approx. 0.4 kg

Hydraulic fluids

Best performance is obtained using mineral-base oil of high quality and cleanliness in the hydraulic system.

HLP hydraulic fluids (DIN 51524), automatic-gearbox oil type A and API CD engine oils can be used.

Synthetic, fire-resistant and environmentally friendly fluids can also be used. Please contact Parker for further information.

For best function, fluid viscosity should be between 15 and 45 mm²/s.

Filtration

Filtration should be arranged so that Target Contamination Class 20/18/14 according to ISO 4406 is not exceeded.

Temperature

Temperature range (fluid):

-20 °C to +80 °C

Temperature range (ambient):

-40 °C to +60 °C

Temperature change:

Max. 100 °C/s

General

The data given above is applicable at an oil temperature of 50 °C and viscosity of 30 mm²/s using mineral-base oil according to DIN 51524.

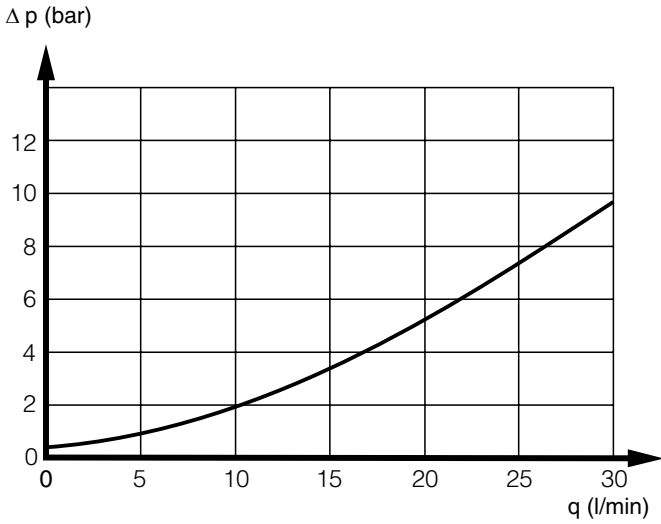
Advantages of VV6 shuttle valve

- Small dimensions, easy to install
- Rapid switching

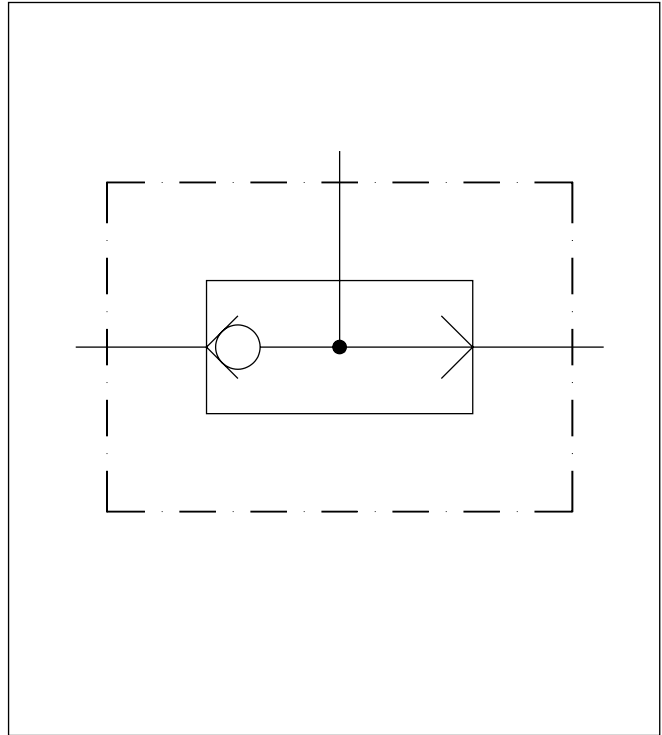
Ordering

The VV6 can be ordered using a designation code or ordering number.

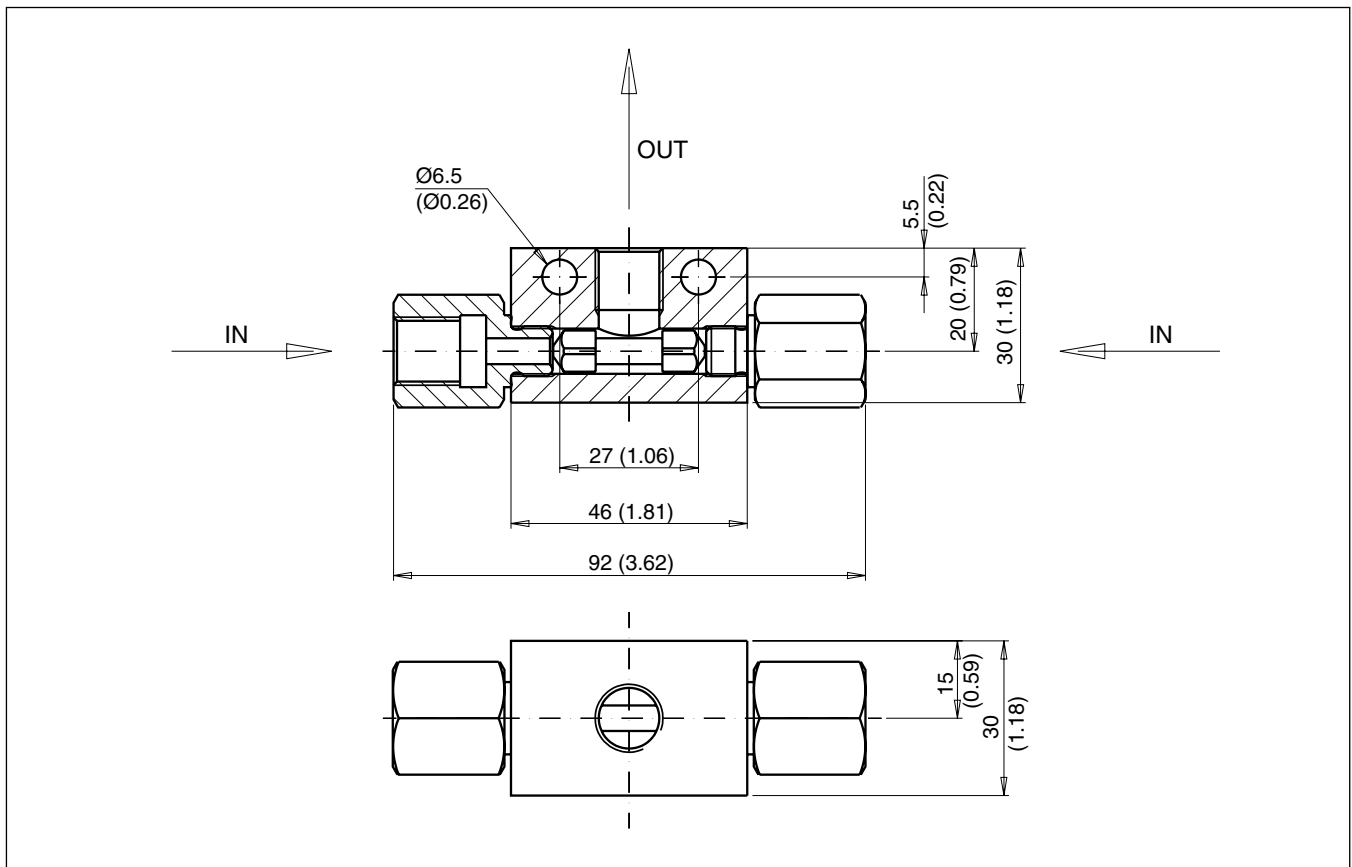
Thread	Designation	Ordering No.
G1/4	VV6G	8234 8902 70
UNF-9/16-18-2B	VV6U	8234 8902 71



Pressure-drop characteristics for VV6.



Hydraulic symbol for VV6.



Dimensional drawing, VV6.

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