V.B.F/V.BP.MF

Flanged Valve Body (Slip-on) PN16

INSTALLATION

Hydraulic Connections

Valve should be installed in compliance with flow directions as indicated on valve body.

Valve Body Opening and Closing

Two-way valve

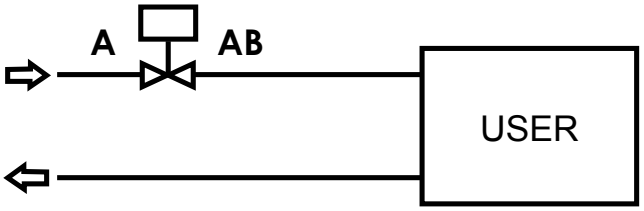
Stem down	=	fluid flows
Stem up	=	fluid intercepted

Three-way valve

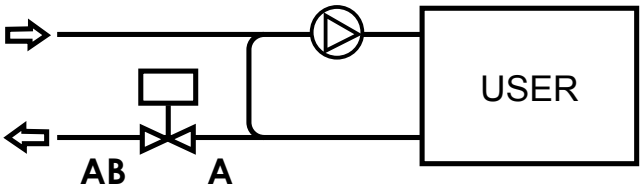
Stem down	=	fluid flows through A-AB B-AB intercepted
Stem up	=	A-AB intercepted fluid flows through B-AB

2-way valves

Valve with variable flow to the user

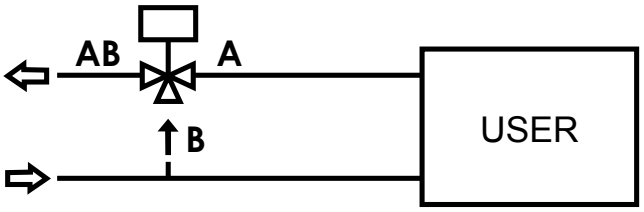


Valve with constant flow to the user

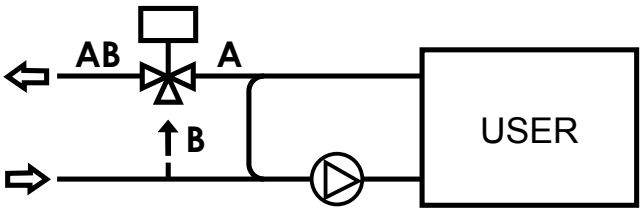


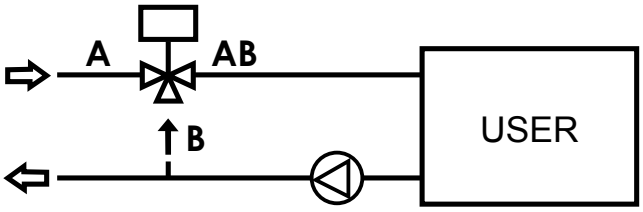
3-way valves

Mixing valve in diverting mode



Mixing valve for constant flow to the user





The performances stated in this sheet can be modified without any prior notice.

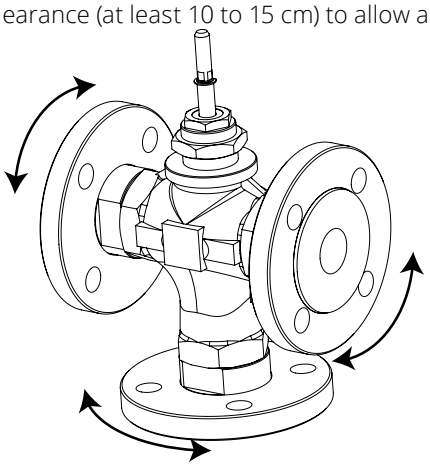
MOUNTING

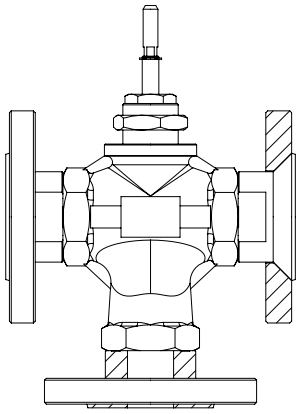
It is essential that pipes are perfectly lined up with valve body and free from vibrations. Slip-on flanges are free to turn and move on the tight joint, as shown on figures below.

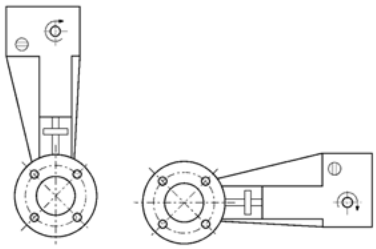
Mounting operations:

- place the valve body between tubes counter-flanges, then turn any single flange so that its holes coincide with those of the counter-flange. Insert gasket and screw them down without pressing nuts into position. This operation will have to be repeated for all the connections.
- lock bolts down diagonally by twos, securing the flanges of the straight way first and - afterwards - the angle way flange (only if the valve is a 3-way model). Seal depends on the pressure that valve flange exerts on the connection, whose plain surface adheres, through the gasket, to counter-flange surface.

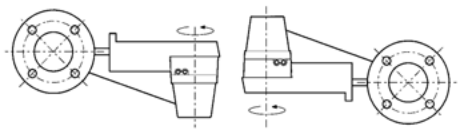
The valve can be mounted in any position included in the 180° from vertical. In case of MVL actuator, always mount it with the shaft in horizontal position. While turning the actuator do not unscrew stroke adjusting nut.
Leave sufficient clearance (at least 10 to 15 cm) to allow actuator disassembling from valve during maintenance.







YES



NO

ORDINARY MAINTENANCE

Stem Packing Seal Control

Valves have a stem packing equipped with double O-Ring and do not require any maintenance.

MAX. OPERATING PRESSURE (kPa) ACCORDING TO TEMPERATURE (UNI1284)

Fluid temperature [°C]	VSBPMF/VMBPMF (Up to 95°C)	VSB/VMB
	PN16	PN16
-10÷120	1600	1600
120÷150		1400