

Functional Description

Fine throttle valves are used to control flow rates of pressure fluid. The connection threads in the valve body enable direct installation in line or hose. The valve is designed to be attached on the backside of a control panel by means of two bolts M6 (1). The outer bolt with the cylindrical head serves at the same time to limit to one revolution the hand knob.

The adjustment sensitivity of flow rate can be selected by using the respective seat diameter in the range from 2 up to 3.5 mm (see the flow characteristics).

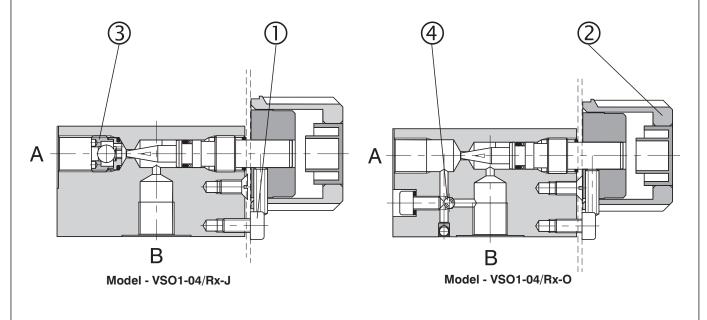
The attachment under the panel is carried out after removing the hand knob (2). The position of the hand

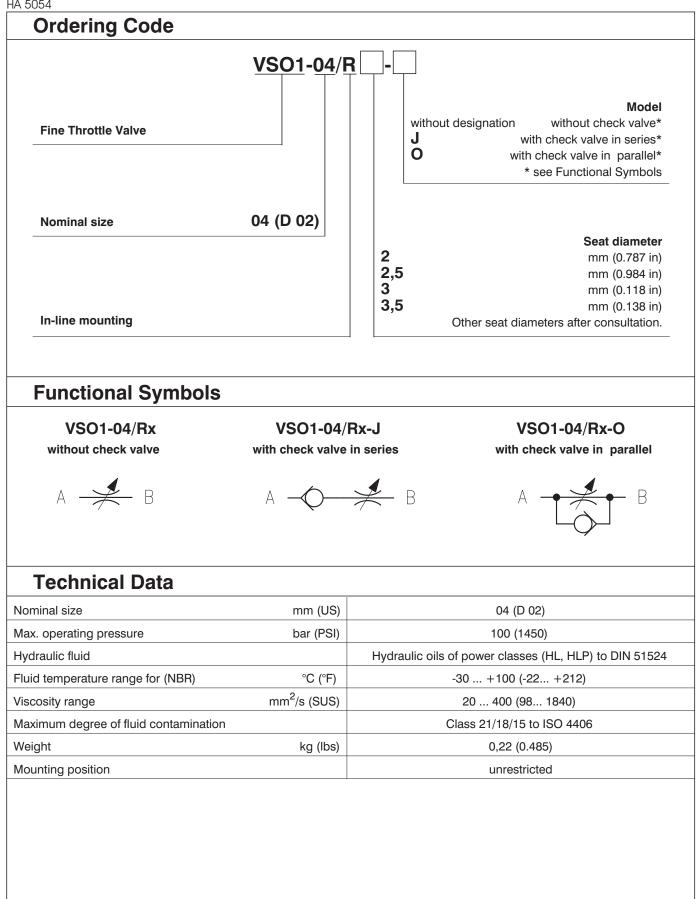
knob can then be adjusted either to the stop of the mounting bolt, or in line with the requested flow limitation, in a smaller angle of rotation.

If needed, the simple fine throttle valve can be completed with a check valve of the type VJO1-06/SG (3) HA 5004 which is installed in series.

To ensure the reverse free-flow through the valve, the model VSO1-04/Rx-O with a parallel ball valve (4) can be used.

The valve body is made of aluminum, the other parts of the valve do not have any surface treatment.





p-Q Characteristics

Measured at $v = 32 \text{ mm}^2/\text{s}$ (156 SUS)

The characteristics were measured at hand knob positions set by 30°.

