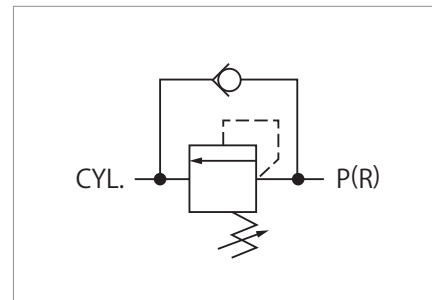


Sequence valve model **VEF**

Clamps are sequentially operated through same circuit.

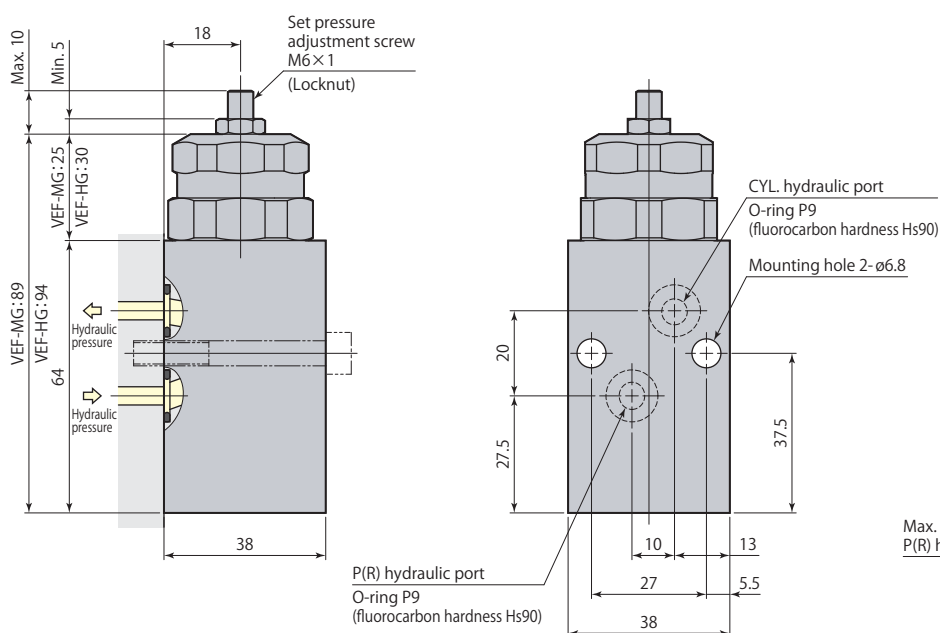
## Specifications

Model		VEF-MG	VEF-MT	VEF-HG	VEF-HT
Mounting, piping methods		Manifold mounting	Piping mounting	Manifold mounting	Piping mounting
Pressure range	MPa	2–30			
Allowable min. differential pressure*	MPa	1			
Set hydraulic pressure range	MPa	6–11		11–20	
Proof pressure	MPa	37.5			
Cracking pressure	MPa	0.01			
Pressure change per revolution	MPa/rev	1		1.4	
Orifice area	mm <sup>2</sup>	P → CYL. 7.1		CYL. → R 28.3	
Operating temperature	°C	0–70			
Fluid used		General mineral based hydraulic oil (ISO-VG32 equivalent)			
Mass	kg	G : 0.8		T : 1.0	

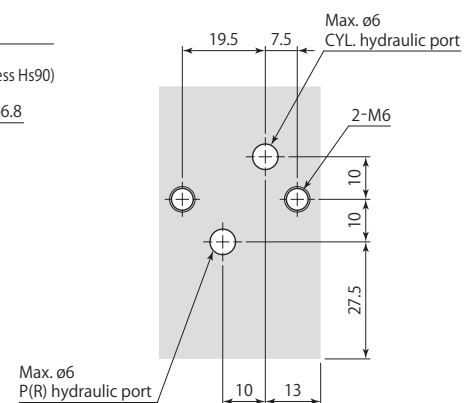
- Fluorocarbon has been adopted for seal sections where cutting fluid is applied, as a measure for the use of chlorine-based cutting fluid (this is not thermal resistant specification).
- \*:The setting should be performed so that the differential pressure between working pressure and set hydraulic pressure may exceed 1 MPa. (Example:When VEF-H, if working pressure is 15 MPa, set hydraulic pressure should be from 11 to 14 MPa.)

## Dimensions

**VEF-□G** Manifold mounting \*With internal filter (P & CYL. hydraulic ports)



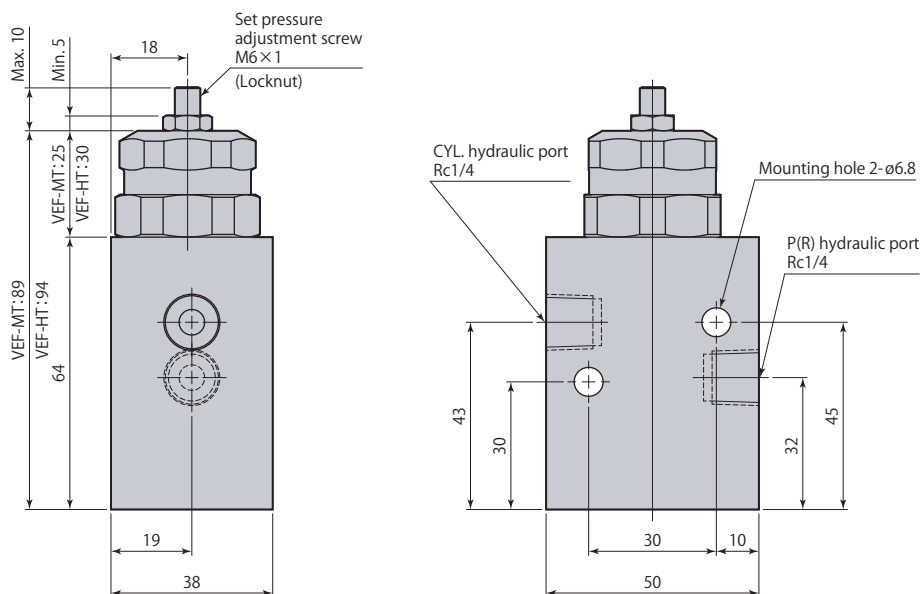
### Mounting details



For manifold piping, the mounting surface finish must be no rougher than Rz6.3 (ISO4287:1997).

### Dimensions

**VEF-□T** Piping mounting \*With internal filter (P & CYL. hydraulic ports)



- The sequence valve may open by lower pressure than the set value when a large volume of oil flow is applied. It is due to the surge pressure caused by an oil hammer phenomenon. Use VEF with a flow control valve installing at primary side to adjust the flow rate.
- The sequence effect may not be achievable due to a back pressure in case the hydraulic circuit would be built by meter-out control or would generate pipe resistance.
- Mounting screws are not included.