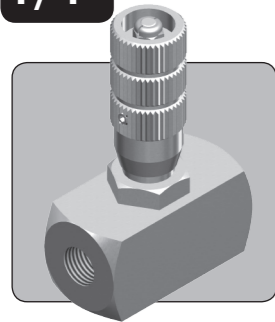


# VFMF25

## METERING VALVE

1/4" UP TO 552 BAR 8,000 PSI



The VFMF25 is a very fine flow metering valve, adjustable via a micrometer style handle. The valve is marked with a preferred direction of flow, but it may be used in the opposite direction to provide bi-directional speed control of a cylinder or actuator, although the level of metering will vary depending on direction.

Note that this valve is not intended to provide tight shut-off when closed.

- Very fine flow control valve for metering applications
- Micrometer style adjustment with engraved graduations
- Lockable adjustment
- Non-rotating valve stem protects valve seat
- Suitable for short term subsea use
- Suitable for liquid or gas
- Suitable for use with air, nitrogen, sweet natural gas, mineral oils, water glycols and plain water
- Suitable for many other media. Contact us for advice
- Cartridge and manifold mount versions available. Contact us for advice
- Various porting and seal options available

### Specifications

**BASIC MODEL NUMBER**

**VFMF25**

**SYMBOL**



**MAX WORKING PRESSURE (LIQUID)**

552 bar  
(8,000 psi)

**MAX WORKING PRESSURE (GAS)**

276 bar  
(4,000 psi)

**CV (FLOW CAPACITY)**

Up to 0.028  
See Typical Performance Graph

**FLUID**

Liquids and Gases  
See materials section

**TEMPERATURE RANGE**

See Product Selector opposite and Technical Data section

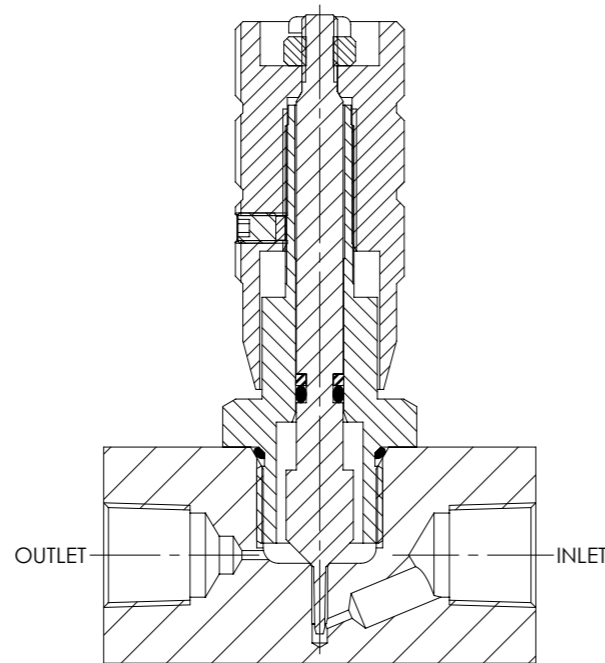
**PORT SIZE**

1/4"

**WEIGHT**

0.45 kg  
(1.0lb)

Specifications may change without notice



### Materials

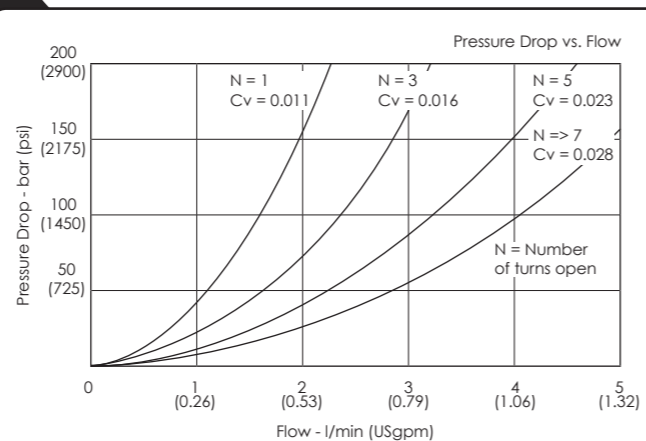
Externally Exposed Parts: 316, 304 and 17-4 PH stainless steel.

Internally Wetted Parts: 316 and 17-4 PH stainless steel and PTFE.

The standard valve is designed for use with air, nitrogen, sweet natural gas, mineral oil, water glycols and plain water and may also be used with a wide variety of media compatible with the materials of construction. Other material options are available. Contact us for advice.

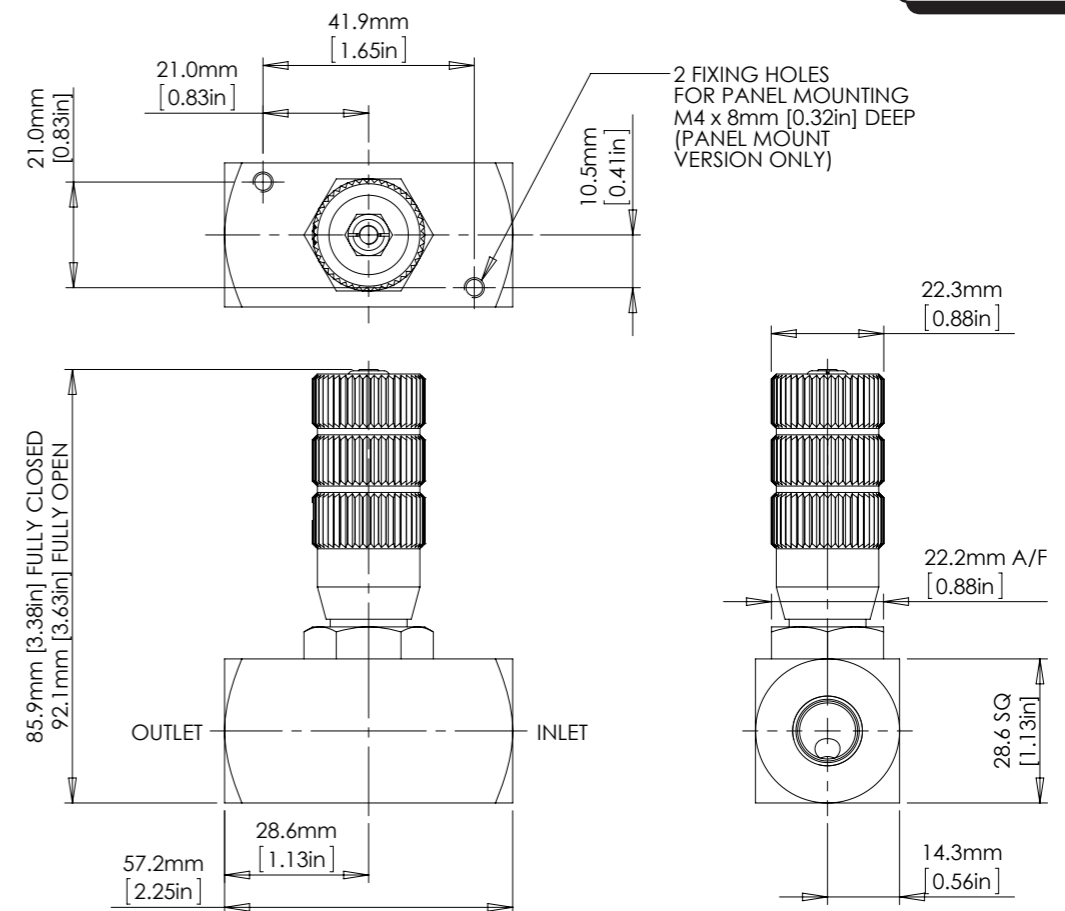
⚠ The standard valve has Viton® seals. Further seal options are available via the Product Selector. Compatibility with the working fluid at the operating temperature must be considered.

### Typical Performance



Typical performance based on water

### Installation Diagram



### Product Selector

VFMF25 P - PM - NBR - 8K

VALVE TYPE	PORTING OPTIONS	VALVE OPTIONS	SEAL OPTIONS	MAX WORKING PRESSURE
VFMF25	<p><b>P</b> 1/4" BSPP female</p> <p><b>N</b> 1/4" NPT female</p>	<p><b>PM</b> Panel mount</p> <p><i>Leave blank if not required</i></p>	<p><b>NBR</b> Nitrile seals -30°C to +105°C</p> <p><b>HNBR</b> Hydrogenated Nitrile seals -20°C to +120°C</p> <p><b>EP</b> EPDM seals -45°C to +120°C</p> <p><b>KLZ</b> Kalrez seals -25°C to +120°C</p> <p><i>Further seal options are available on request</i></p> <p>⚠ Exposure to high and low fluid temperatures will influence handle temperature. Operator safety must be considered</p>	<p><b>8K</b> 552 bar (8,000 psi) Liquid</p> <p>276 bar (4,000 psi) Gas</p>

Repair and seal kits are available on request

For a seal kit add SK at the end of the model code and for a repair kit add RK

