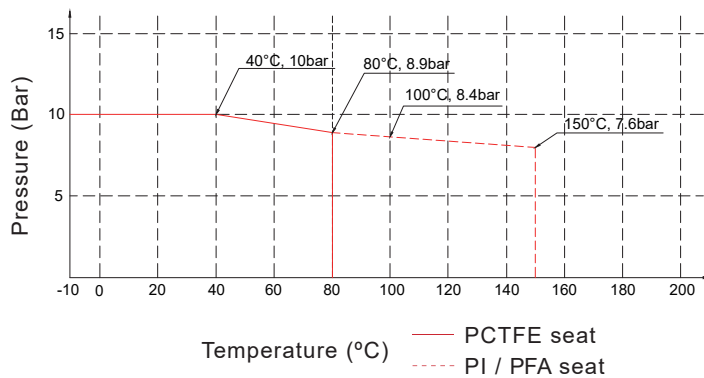


## Product Feature

- Suitable for ultra-pure, flammable or toxic fluid lines in semiconductor manufacturing equipment and facilities
- Direct diaphragm construction with superior sealing performance, remarkable durability, compactness and particle and dead-space-free performance
- Valve open and closed position is easily visible at a glance
- EP treatment is standard for all wetted surfaces
- Standard seat material is PCTFE, Polyimide/PFA is option



## Temperature / Pressure Rating

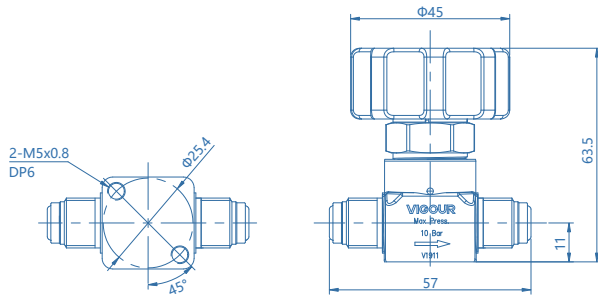


## Technical Data

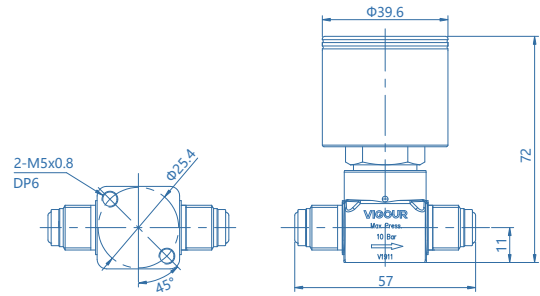
|                             |                                                      |
|-----------------------------|------------------------------------------------------|
| Max. Working Pressure:      | 150 psig (10bar)                                     |
| Actuation Pressure:         | 58~87psig (4~6bar)                                   |
| Max. Working Temp.:         | 14°F ~ 176°F (-10°C ~ 80°C)                          |
| Surface finish:             | 10µin. Ra                                            |
| Materials                   |                                                      |
| Body:                       | see ordering info                                    |
| Diaphragm:                  | Elgiloy®                                             |
| Seat packing:               | PCTFE                                                |
| Handle:                     | AL                                                   |
| Internal Leakage Allowance: | 1x10 <sup>-9</sup> mbar l/s He                       |
| External Leakage Allowance: | 1x10 <sup>-9</sup> mbar l/s He                       |
| Flow capacity:              | 1/4" Cv=0.3 1/2" Cv=0.65                             |
| Weight:                     | approx. 0.36kg (depending on connections or options) |



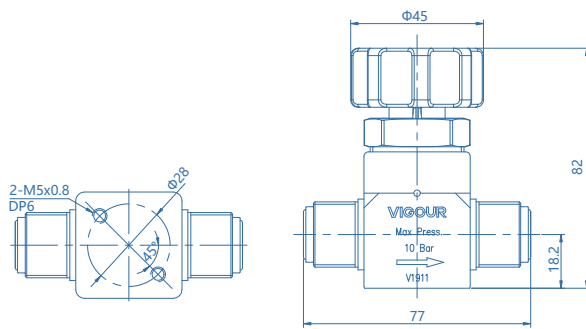
### Dimensions (mm)



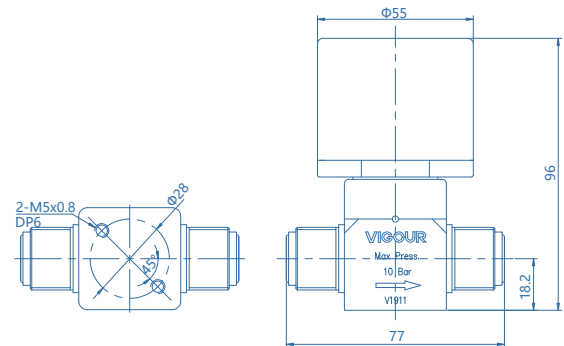
1/4 manual actuator (VFS fitting male)



1/4 pneumatic actuator (VFS fitting male)



1/2 manual actuator (VFS fitting male)



1/2 pneumatic actuator (VFS fitting male)

### Ordering information

**VDV22UBS - M - MV4 - MV4 - PA**

#### Materials

S: 316L  
SLV: 316L secondary remelt

#### Actuator

M: manual actuator  
PO: pneumatic actuator, normally opened  
PC: pneumatic actuator, normally closed

#### Valve Seat Option

None: PCTFE (standard)  
VS: Vespel®  
PA: PFA

#### End Connection

MV4: 1/4" VFS fitting male  
MV8: 1/2" VFS fitting male

\* Other connection standard, consult factory

