

### Product Feature

- 316L stainless steel construction
- Tube welding and VFS fitting connection
- Easy to clean
- Excellent airtightness characteristics
- The product is fabricated in compliance with the VS001A process specification
- EP treatment is standard for all wetted surfaces
- The standard seat material is PCTFE, Vespel® (optional)
- All-metal seal to atmosphere



Manual Actuator 3/4~1"

### parameter specification

| Connections | Size | Cv   | Max Pressure      |
|-------------|------|------|-------------------|
| MV12        | 3/4" | 14.5 | 375psig (25.8bar) |
| FV12        |      |      |                   |
| TW12        |      |      |                   |
| MV16        | 1"   | 21   |                   |
| FV16        |      |      |                   |
| TW16        |      |      |                   |
| TW24        | 1.5" | 46   |                   |
| TW32        | 2"   | 52   |                   |



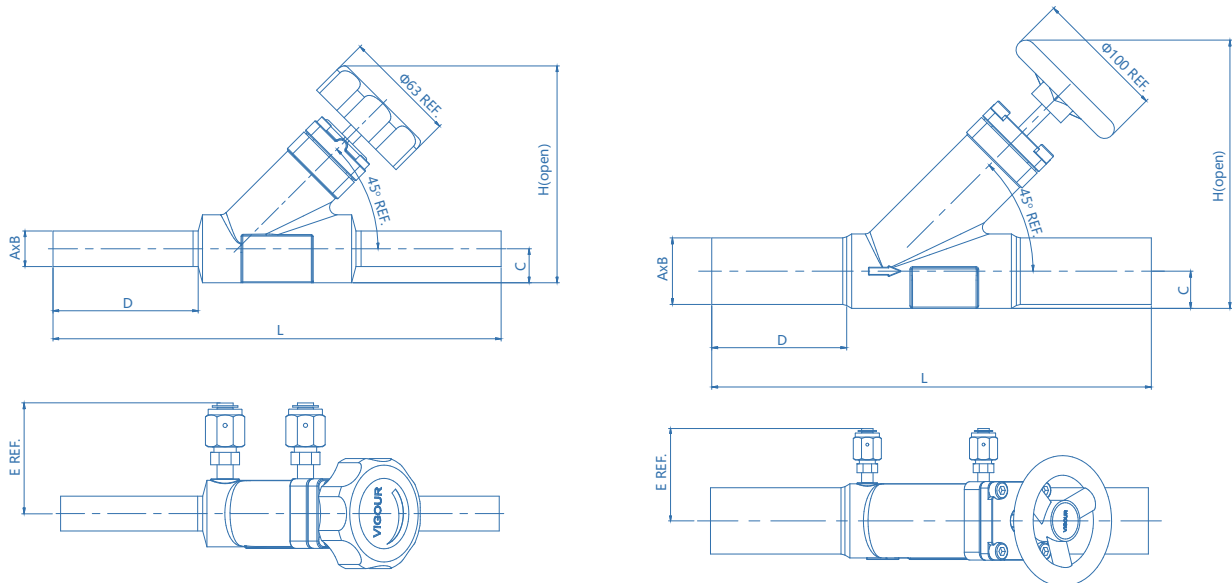
Manual Actuator 1.5~2"

### Technical Data

|                             |                                 |
|-----------------------------|---------------------------------|
| Pneumatic Pressure:         | Vacuum 375 psig (25.8bar)       |
| Surface finish:             | 10μin. Ra                       |
| Working Temp.:              | -22°F ~ 180°F (-30°C ~ 82°C)    |
| Materials                   |                                 |
| Body:                       | 316L                            |
| Bellows:                    | SUS316L / Hastelloy®            |
| 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:              | See parameter specification     |



### Dimensions (mm)



| Size | Dimensions (mm) |      |       |       |    |       |       |
|------|-----------------|------|-------|-------|----|-------|-------|
|      | A               | B    | C     | D     | E  | L     | H     |
| 3/4" | Φ19.05          | 1.65 | 18.03 | 77.2  | 57 | 239   | 105.2 |
| 1"   | Φ25.4           | 1.65 | 18.03 | 77.2  | 57 | 239   | 105.2 |
| 1.5" | Φ38.1           | 1.65 | 28.7  | 77.7  | 67 | 284.7 | 211.1 |
| 2"   | Φ50.8           | 1.65 | 28.7  | 101.1 | 67 | 335.5 | 211.1 |

### Ordering Information

**VUBV2 S - M - MV12 - MV12 - P1 - P2 - VS**

#### Materials

S: 316L

#### Actuator

M: Manual Actuator

#### End Connection

FV12: 3/4" VFS female  
 MV12: 3/4" VFS male  
 TW12: 3/4" tube weld  
 FV16: 1" VFS female  
 MV16: 1" VFS male  
 TW16: 1" tube weld  
 TW24: 1.5" tube weld  
 TW32: 2" tube weld

#### Valve Seat Option

None: PCTFE (standard)  
 VS: Vespel®

#### Outlet Purge Connection

None: No outlet purge  
 P2: 1/4"outlet purge  
 P2V: 1/4"outlet purge valve

#### Inlet Purge Connection

None: No inlet purge  
 P1: 1/4"inlet purge  
 P1V: 1/4"inlet purge valve

\* Other connection standard,consult factory

