955 Series
UHP Stainless Steel Diaphragm Valve
High Flow, Welded

Value Proposition:
The 955 high purity diaphragm valves offer high flow in a compact device. The 955 valves offer a variety of manual operators to fit the customer's system requirements. Both the 955 manual and the Air Operated versions can be used in UHP systems up to 250 psig.

The 955AOP is ideal for low vapor pressure gas delivery systems.

Contact Information:
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fax 510 232 7396
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www.parker.com/veriflo
Mobile App: m.parker.com/veriflo

Product Features:
• Standard surface finish of 5 micro inch Ra
• Internally threadless and springless
• Fully functional from vacuum to 250 psig
• High cycle life (including corrosive service)
• 100% Helium leak tested

• Standard full internal electropolish
• Minimal particle generation and particle entrapment areas
• Vericlean™, Veriflo’s low sulfur high purity 316L Stainless Steel enhances electropolishing, welding, and corrosion resistance
955 Series
Dimensional Drawing

<table>
<thead>
<tr>
<th>Actuator Style</th>
<th>Actuator Diameter (A)</th>
<th>Height (B)</th>
<th>Lever Radius (C)</th>
<th>Port Style</th>
<th>End-To-End Length (D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOPLPNC</td>
<td>1.55</td>
<td>3.44</td>
<td>-</td>
<td>FS</td>
<td>2.96</td>
</tr>
<tr>
<td>AOPLPNO</td>
<td>1.29</td>
<td>3.05</td>
<td>-</td>
<td>FS (Optional)</td>
<td>2.30</td>
</tr>
<tr>
<td>G</td>
<td>-</td>
<td>*</td>
<td>-</td>
<td>FS (Optional)</td>
<td>2.78</td>
</tr>
<tr>
<td>I</td>
<td>1.70</td>
<td>2.65</td>
<td>-</td>
<td>FS8</td>
<td>4.20</td>
</tr>
<tr>
<td>L</td>
<td>-</td>
<td>2.63</td>
<td>1.75</td>
<td>TS</td>
<td>2.25</td>
</tr>
<tr>
<td>M</td>
<td>-</td>
<td>2.63</td>
<td>.75</td>
<td>TS6</td>
<td>2.25</td>
</tr>
<tr>
<td>S</td>
<td>2.00</td>
<td>2.90</td>
<td>-</td>
<td>TS8</td>
<td>2.25</td>
</tr>
</tbody>
</table>

* See dimensional drawing.
# 955 Series

## Ordering Information

Build a 955 Series valve by replacing the numbered symbols with an option from the corresponding tables below.

**Color Explanations:** Black = Standard Lead Time Configurations  
Blue = Extended Lead Time Configurations  
For an explanation of Ordering options please reference literature 25000275 at www.parker.com/veriflo

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<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Basic Series</td>
</tr>
<tr>
<td>2</td>
<td>Type</td>
</tr>
<tr>
<td>3</td>
<td>Body Material</td>
</tr>
<tr>
<td>4</td>
<td>Port Style</td>
</tr>
<tr>
<td>5</td>
<td>Port Configuration</td>
</tr>
<tr>
<td>6</td>
<td>Optional Features</td>
</tr>
</tbody>
</table>

**Sample:** 9 55 L S FS FM VESP  
**Finished Order:** 955LSFSFMVESP

### Basic Series

- **55 = 955**

### Type

- **AOPLPNC =** Air Operated, Low Pressure, Normally Closed Air Connection is 1/8" NPT
- **AOPLPNO =** Air Operated, Low Pressure, Normally Open Air Connection is 1/8" NPT

### Body Material

- **S =** 316L Stainless Steel

### Port Style

- **FS =** 1/4" Face Seal
- **FS8 =** 1/2" Face Seal
- **TS =** 1/4" Tube Stub
- **TS6 =** 3/8" Tube Stub  
  Standard only when configured as TS6TS6
- **TS8 =** 1/2" Tube Stub  
  Standard only when configured as TS8TS8

**Note:** For Multiport: See 25000178 Valve Selection Guide. All Multiport configurations are Special Order.

### Port Configuration

- **M =** Male Face Seal
- **F =** Female Face Seal

### Optional Features

- **BL008 =** Bleed Valve .008 Orifice
- **BL015 =** Bleed Valve .015 Orifice
- **LK =** LockOut-TagOut  
  Includes LockOut-TagOut bracket for G-Type Valve; LOTO Clamp for M type Valve
- **PM =** Panel Mount  
  Not available with Indicating Handwheel (I)
- **PEEK =** PEEK™ Seat  
  Recommended for Nitrous Oxide (N2O) Service
- **2.3 =** 2.3" End-To-End 1/4" FS  
  Only
- **2.78 =** 2.78" End-To-End 1/4" FS  
  Only
## 955 Series

### Specifications

<table>
<thead>
<tr>
<th>Materials of Construction</th>
<th>Functional Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wetted</strong></td>
<td><strong>Design</strong></td>
</tr>
<tr>
<td>Body</td>
<td>Proof Pressure</td>
</tr>
<tr>
<td>Diaphragm</td>
<td>Burst Pressure</td>
</tr>
<tr>
<td>Seat Options</td>
<td>Flow Capacity</td>
</tr>
<tr>
<td><strong>Non-wetted</strong></td>
<td>Leak Rate</td>
</tr>
<tr>
<td>Cap</td>
<td>Internal</td>
</tr>
<tr>
<td>Nut</td>
<td>External</td>
</tr>
<tr>
<td>Actuator Housing</td>
<td>Surface Finish</td>
</tr>
<tr>
<td></td>
<td>Internal Volume</td>
</tr>
<tr>
<td></td>
<td>Approx. Weight</td>
</tr>
</tbody>
</table>

### Operating Conditions

<table>
<thead>
<tr>
<th>Operating Limits based upon pressure applied at inlet port.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Pressure</strong></td>
</tr>
<tr>
<td>AOPLPNO, G</td>
</tr>
<tr>
<td>AOPLPNC, I, L, M</td>
</tr>
</tbody>
</table>

For additional information on materials of construction, functional performance and operating conditions, please contact factory.

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