

# 930Y Series

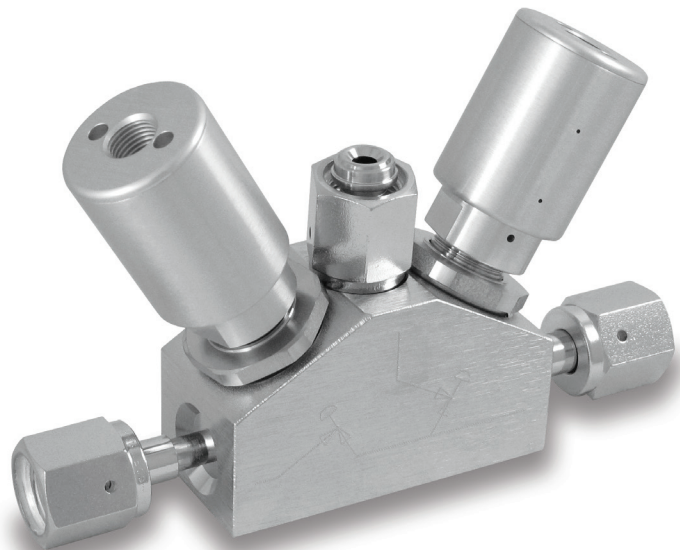
UHP Stainless Steel Diaphragm Valve  
High Flow Manifold

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding

## Value Proposition:

The 930Y valve offers the same benefits as the standard two way valve. The “Y” valve configuration allows for a mix of operator combinations, reduces space requirements, and has fewer welds over standard valve alignments.

Pressure and flow requirements are unique to each valve in this offering, please reference the two way data sheet to ensure proper selection.



## Contact Information:

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**Veriflo Division**  
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veriflo.sales@parker.com

www.parker.com/veriflo  
Mobile App: m.parker.com/veriflo

## Product Features:

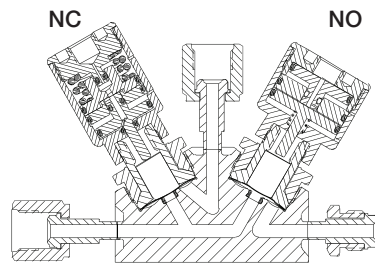
- Standard surface finish of 10 micro inch Ra
- Internally threadless and springless
- Fully functional from vacuum to 300 psig
- High cycle life (including corrosive service)
- 100% Helium leak tested
- Standard full internal electroplish
- Minimal particle generation and particle entrapment areas
- Vericlean™, Veriflo's low sulfur high purity 316L Stainless Steel enhances electropolishing, welding, and corrosion resistance



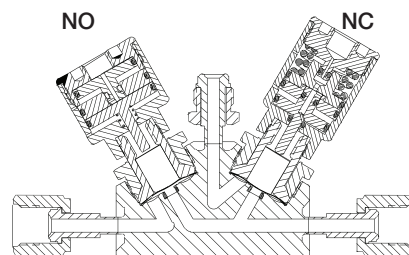
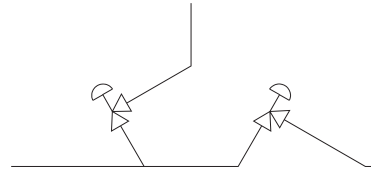
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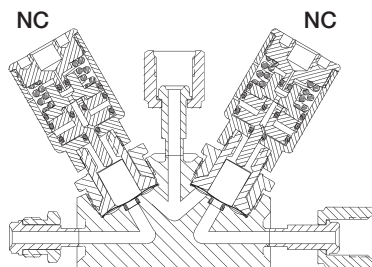
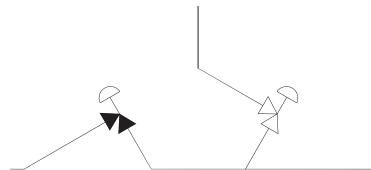
## Dimensional Drawings



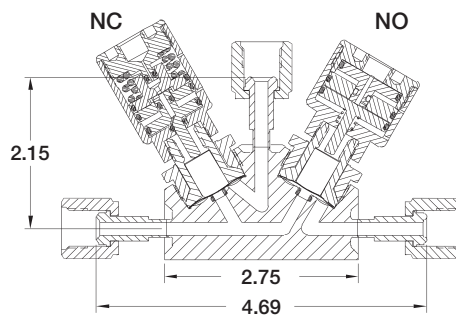
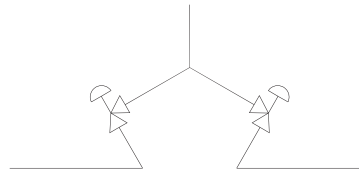
**930Y1NO/NCFSMFFA**



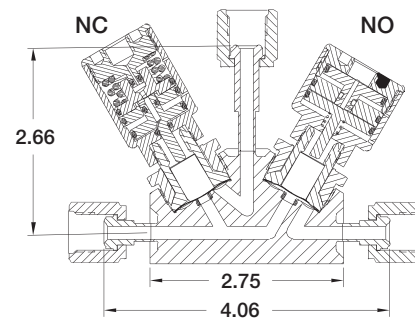
**930Y2NC/NOFSMFA**



**930Y3NC/NCFSFFMA**



**930Y1NO/NCFSFFFA**



**930Y1NO/NCFSFFB**

# 930Y Series

## Ordering Information

Build a 930Y Series valve by replacing the numbered symbols with an option from the corresponding tables below.

Contact factory for most up to date lead time information.

Blue = Configurations that have selections in blue will require a quote from the factory.

Sample: **9 30Y 1 NC/NO FS MMF VESP A**  
Finished Order: **930Y1NC/NOFSMMFVESPA**

**1 Basic Series**  
30Y = 930Y

**2 Flow Path**  
1 = Down Stream Purge  
2 = Up Stream Purge  
3 = Common

**3 Activating Device Type (V1/V2)**  
NC = Air Operated, Low Pressure, Normally Closed  
NO = Air Operated, Low Pressure, Normally Open  
M = Mini-Lever

**4 Port Style**  
FS = 1/4" Face Seal  
FS8 = 1/2" Face Seal  
TS = 1/4" Tube Stub  
TS6 = 3/8" Tube Stub  
TS8 = 1/2" Tube Stub

**5 Port Configuration**  
M = Male Face Seal  
F = Female Face Seal

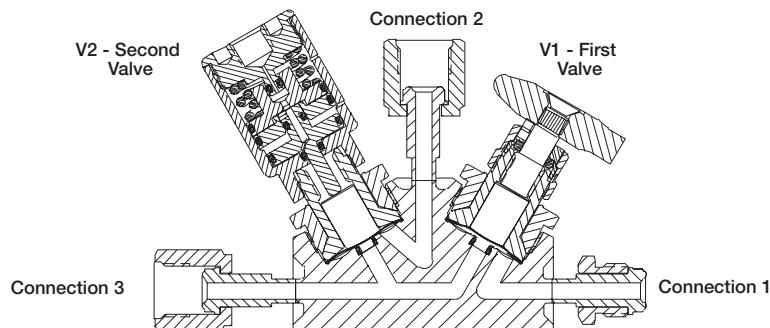
**6 Optional Features**  
This section can have multiple options

PEEK = PEEK™ Seats

VESP = Vespel® Seats  
*Recommended for Nitrous Oxide (N2O) Service*

**7 Dimensions**  
A = 4.69 x 2.15  
B = 4.06 x 2.66 (FSF or TS only)

## Ordering Example



**930Y1M/NCFSMFFA**

# 930Y Series

## Specifications

| Materials of Construction  |                                 |
|--|---------------------------------|
| <b>Wetted</b>  |                                 |
| Body   | VeriClean™ 316L Stainless Steel |
| Diaphragm  | Elgiloy® or equivalent          |
| Seat Options   | PCTFE (std), PEEK™ or Vespel®   |
| <b>Non-wetted</b>  |                                 |
| Cap  | 17-4 Stainless Steel            |
| Nut  | 316L Stainless Steel            |
| Actuator Housing   | Anodized Aluminum               |
| <b>Operating Conditions</b>  |                                 |
| <i>(Operating limits based upon pressure applied at inlet port.)</i> |                                 |
| Maximum Pressure   |                                 |
| NC, NO   | 125 psig (8.6 barg)             |
| I, M   | 300 psig (20.7 barg)            |
| Minimum Pressure   |                                 |
| Vacuum   |                                 |
| AOP Actuation Pressure   |                                 |
| 75 psig nominal (5 barg)   |                                 |
| Temperature  |                                 |
| -40°F to 150°F (-40°C to 66°C)                                       |                                 |
| Bake Out   |                                 |
| 250°F (121°C) in the open position                                   |                                 |
| AOP Air Inlet  |                                 |
| 1/8-27 NPT   |                                 |

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

| Functional Performance |                                    |
|------------------------|------------------------------------|
| <b>Design</b>          |                                    |
| Proof Pressure         |                                    |
| NC, NO                 | 188 psig (13 barg)                 |
| I, M                   | 450 psig (31 barg)                 |
| Burst Pressure         |                                    |
| NC, NO                 | 375 psig (26 barg)                 |
| I, M                   | 900 psig (62 barg)                 |
| <b>Flow Capacity</b>   |                                    |
| Process Valve          |                                    |
| NC, NO, I              | C <sub>v</sub> 0.3                 |
| Lever (M)              | C <sub>v</sub> 0.22                |
| Purge Valve            |                                    |
| C <sub>v</sub> 0.18    |                                    |
| <b>Leak Rate</b>       |                                    |
| Inboard Test Method    |                                    |
| Internal               | ≤ 1 X 10 <sup>-9</sup> scc/sec He  |
| External               | ≤ 2 X 10 <sup>-10</sup> scc/sec He |
| <b>Surface Finish</b>  |                                    |
| 10 micro inch Ra       |                                    |
| <b>Internal Volume</b> |                                    |
| 4.26 cc                |                                    |
| <b>Approx. Weight</b>  |                                    |
| 2.1 lbs. (0.95 kg)     |                                    |

Vespel® is a registered trademark of DuPont Performance Elastomers L.L.C.  
 Elgiloy® is a registered trademark of Elgiloy Company  
 VeriClean™ is a trademark of Parker Hannifin Corporation  
 PEEK™ is a trademark of Victrex plc.

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