

930Y Series

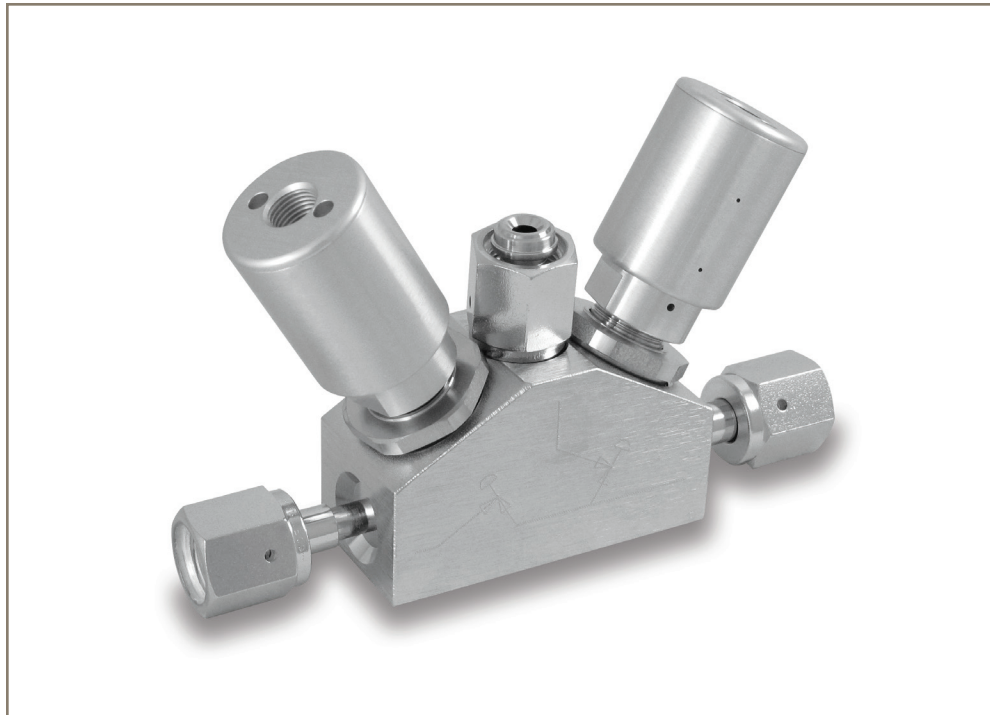
UHP Stainless Steel Diaphragm Valve
High Flow Manifold

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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Product Features:

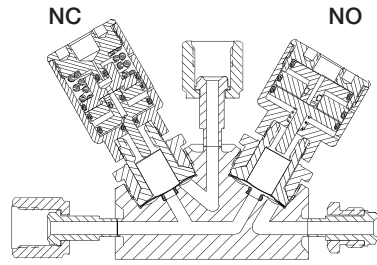
- Standard surface finish of 10 micro inch Ra
- Internally threadless and springless
- Fully functional from vacuum to 300 psig
- High cycle life (including corrosive service)
- 100% Helium leak tested
- Standard full internal electroplish
- Minimal particle generation and particle entrapment areas
-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



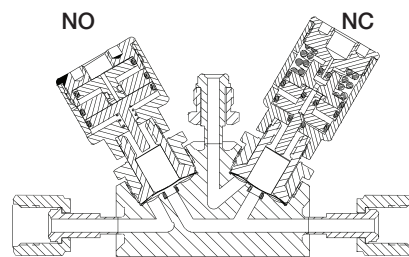
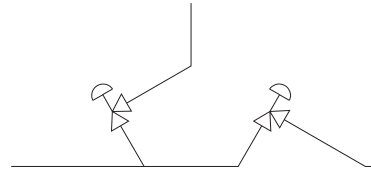
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930Y Series

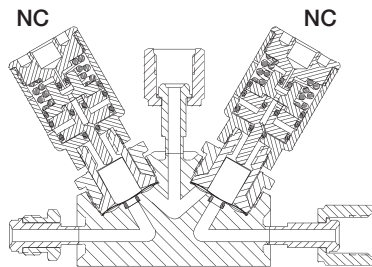
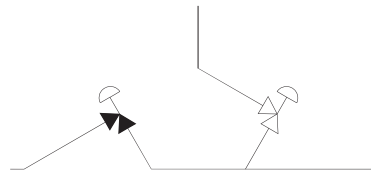
Dimensional Drawings



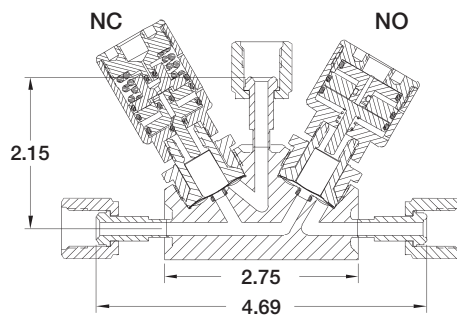
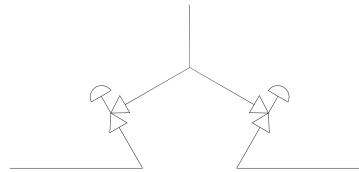
930Y1NO/NCFSMFFA



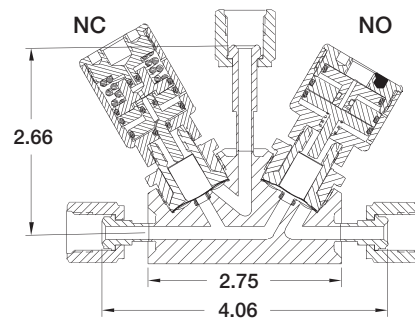
930Y2NC/NOFSMFA



930Y3NC/NCFSFFMA



930Y1NO/NCFSFFFA



930Y1NO/NCFSFFFB

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 price quote and lead time 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

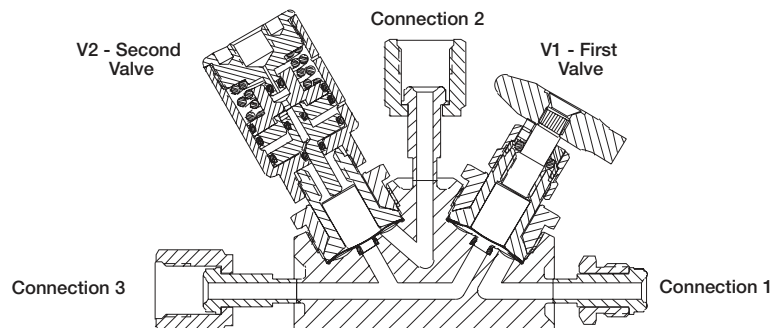
4 Port Style
 FS = 1/4" Face Seal
 FS8 = 1/2" Face Seal
 TS = 1/4" Tube Stub
 TS6 = 3/8" Tube Stub
 TS8 = 1/2" Tube Stub

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	
Wetted	
Body	VeriClean™ 316L Stainless Steel
Diaphragm	Elgiloy® or equivalent
Seat Options	PCTFE (std), PEEK™ or Vespel®
Non-wetted	
Cap	17-4 Stainless Steel
Nut	316L Stainless Steel
Actuator Housing	Anodized Aluminum
Operating Conditions	
<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	
Design	
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)
Flow Capacity	
Process Valve	
NC, NO, I	C _v 0.3
Lever (M)	C _v 0.22
Purge Valve	
	C _v 0.18
Leak Rate	
Inboard Test Method	
Internal	≤ 1 X 10 ⁻⁹ scc/sec He
External	≤ 2 X 10 ⁻¹⁰ scc/sec He
Surface Finish	
	10 micro inch Ra
Internal Volume	
	4.26 cc
Approx. Weight	
	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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