

955Y Series

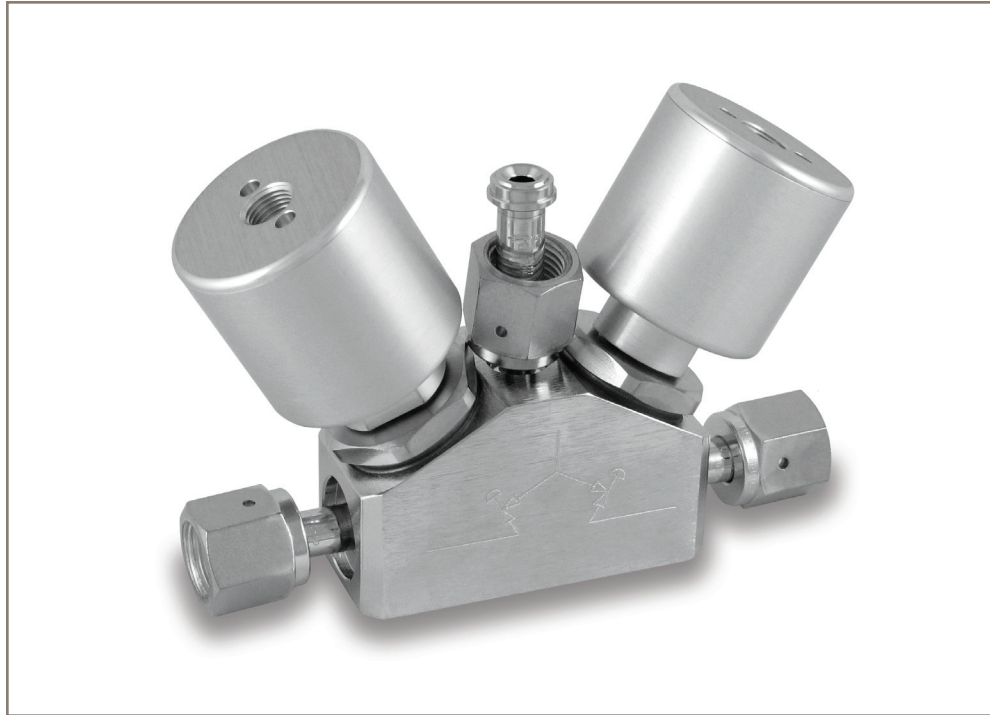
UHP Stainless Steel Diaphragm Valve
High Flow Manifold

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

Value Proposition:

The 955Y 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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Mobile App: m.parker.com/veriflo

Product Features:

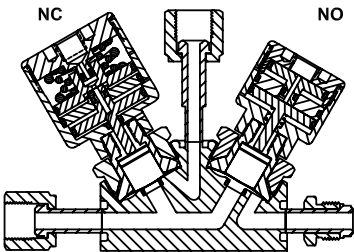
- Standard surface finish of 10 micro inch Ra, with 5 Ra option available
- Internally threadless and springless
- Fully functional from vacuum to 250 psig
- High cycle life (including corrosive service)
- 100% Helium leak tested
- Standard full internal electropolish
- Minimal particle generation and particle entrapment areas
- Vericlean™, Veriflo's low sulfur high purity 316L Stainless Steel enhances electropolishing, welding, and corrosion resistance



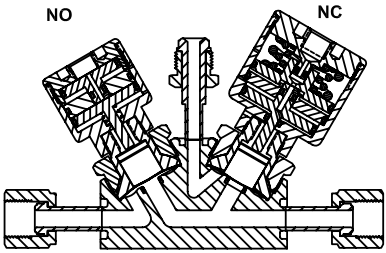
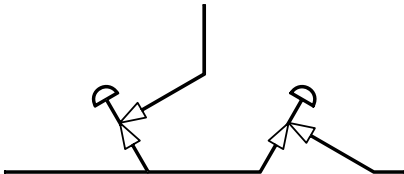
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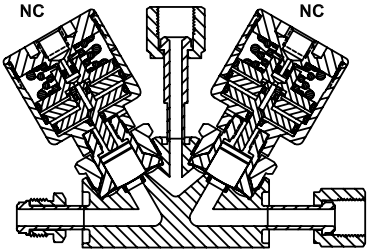
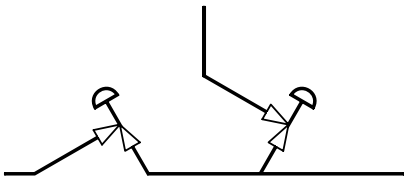
Dimensional Drawings



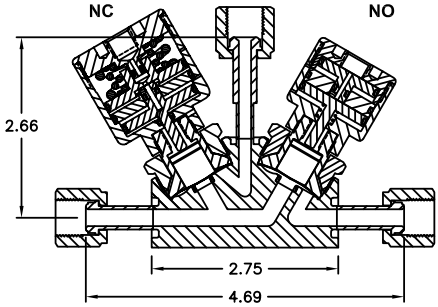
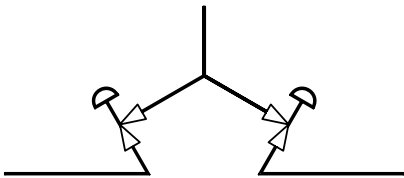
955Y1NO/NCFSMFFA



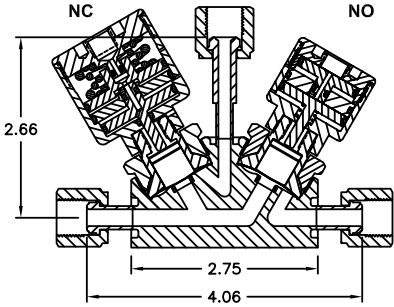
955Y2NC/NOFSMFA



955Y3NC/NCFSFFMA



955Y1NO/NCFSFFFA



955Y1NO/NCFSFFFB

955Y Series

Ordering Information

Build a 955Y 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** **55Y** **1** **NC/NO** **FS** **MMF** **VESP** **A**
 Finished Order: **955Y1NC/NOFSMMFVESPA**

1 Basic Series
 55Y = 955Y

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

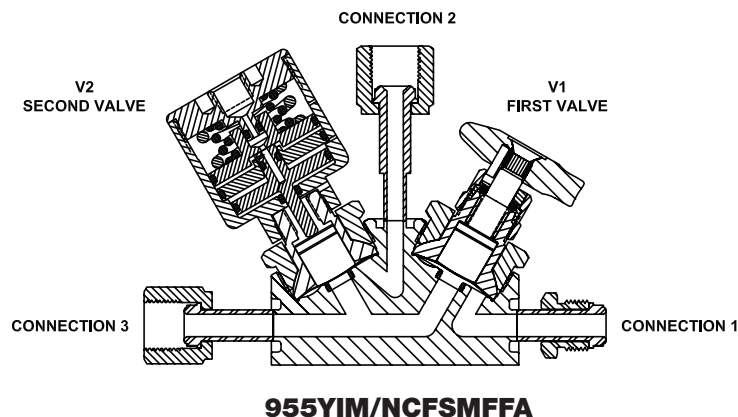
4 Port Style
 FS = 1/4" Face Seal
 FS8 = 1/2" Face Seal
 TS = 1/4" Tube Stub
 TS6 = 3/8" Tube Stub
 TS8 = 1/2" Tube Stub

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*
 EV = 5 Ra Micro Inch Surface Finish

7 Dimensions
 A = 4.69 x 2.66 (FSM or FSF)
 B = 4.06 x 2.66 (FSF only)

Ordering Example



955Y 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	17-4 Stainless Steel
Actuator Housing	Anodized Aluminum
Operating Conditions	
<i>(Operating limits based upon pressure applied at inlet port.)</i>	
Maximum Pressure	
NO	125 psig (8.62 barg)
NC, M	250 psig (17.22 barg)
Minimum Pressure	
Vacuum	
AOP Actuation Pressure	
75 psig (5 barg) nominal	
AOP Air Inlet	
1/8-27 NPT	
Temperature	
-40°F to 150°F (-40°C to 66°C)	

Functional Performance	
Design	
Proof Pressure	375 psig (26 barg)
Burst Pressure	750 psig (52 barg)
Design Pressure ⁽¹⁾	
NO	151 psig (10.4 barg)
NC, M	276 psig (19.0 barg)
Flow Capacity	
Process Valve	C _v 0.43
Purge Valve	C _v 0.35
Leak Rate	
Inboard Test Method	
Internal	≤ 4 X 10 ⁻⁹ scc/sec He
External	≤ 2 X 10 ⁻¹⁰ scc/sec He
Surface Finish	
10 micro inch Ra (std) or 5 micro inch Ra	
Internal Volume	
4.49 cc	
Approx. Weight	
2.11 lbs. (0.98 kg)	

1. Design Pressure per KOSHA Guide D-5 - 2012, Para. 6.2

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

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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