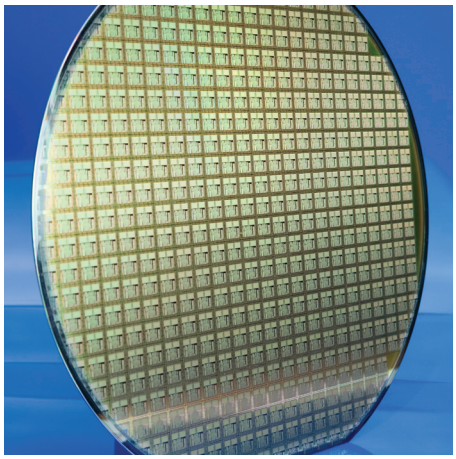
22 Series Valves

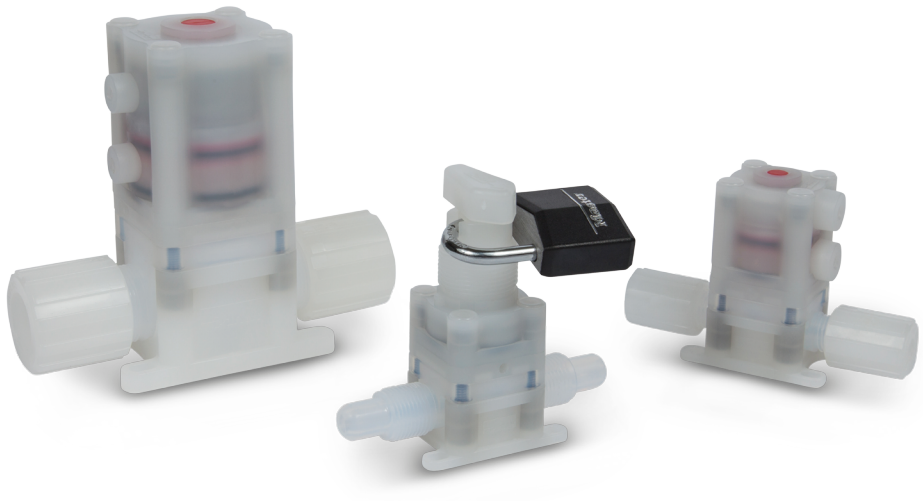
UHP Fluoropolymer Valves
1/2" and 3/4"



New!
Ultra High Purity Fluoropolymer Valves

These new ultra clean valves offer increased flow and provide better seat sealing for enhanced leak-free performance and greater safety. They are designed to deliver the highest flow in the smallest package available.

CFD software was utilized to maximize the flow through these valves. The 22 Series Valve is best suited for UHP chemicals, acids, plating, and slurry chemicals.



Contact Information:

Parker Hannifin Corporation
Veriflo Division
250 Canal Blvd
Richmond, California 94804

phone 510 235 9590
fax 510 232 7396
veriflo.sales@parker.com

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

Product Features:

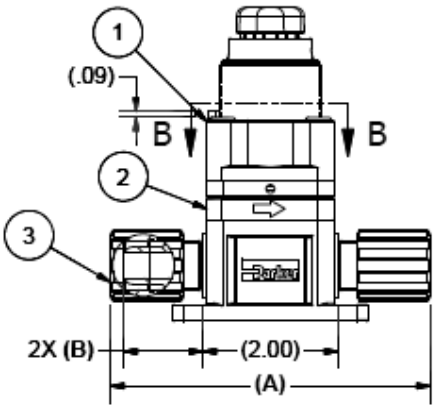
- Delivers high cycle life in acids and slurry with reduced maintenance
- Compact footprint
- Manual valve comes with a true lock-out, tag-out design
- Optimized slurry design for maximum cycle life
- Dual point seal for slurry (patent pending)
- Smooth bore, and fully swept path minimize particle entrapment areas
- High flow in small package
- 100% leak tested
- Meets SEMI-F57-0301 standards

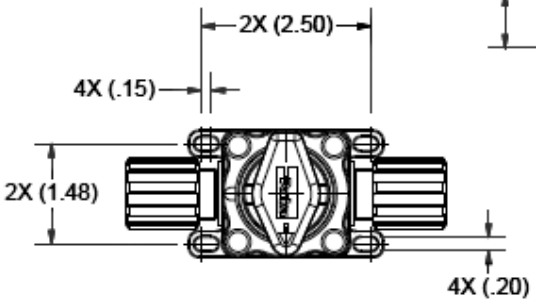
Parker Veriflo

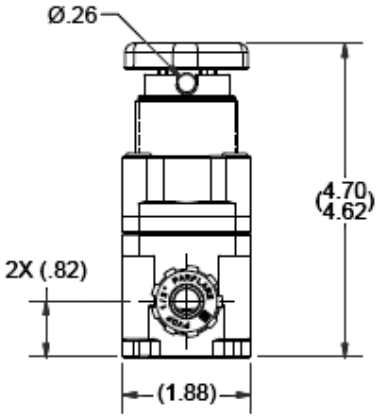
ENGINEERING YOUR SUCCESS.

22 Series Valves 1/2" and 3/4"

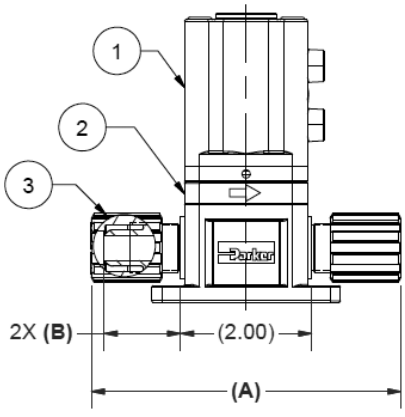
Dimensional Drawings

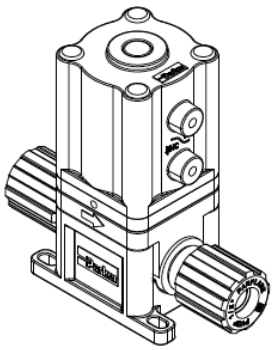


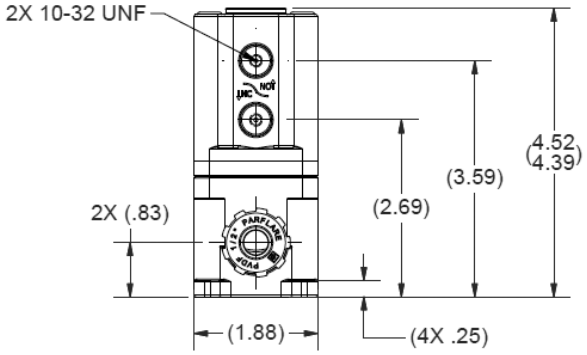


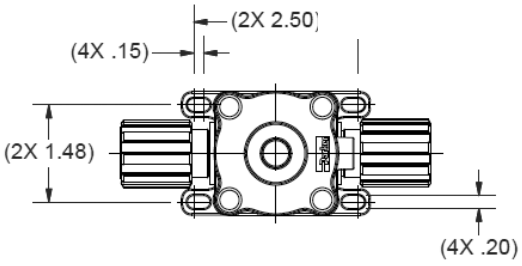


Connection	A	B
1/2" Flare	4.72	1.17
3/4" Flare	4.9	1.08
1/2" S300	4.34	0.69
3/4" S300	4.84	0.87









VIEW B

22 Series Valves 1/2" and 3/4"

Ordering Information

Build a 22 Series valve by replacing the numbered symbols with an option from the corresponding tables below.

	1	2	3	4	5	6	7	8	9	10
Sample:	**PV22**	**08**	**V**	**P**	**1**	**FL**	**08**	**FL**	**08**	**V**
Finished:	**PV2208VP1FL08FL08V**									

1 Base Model

PV22	=	Pneumatic valve
MV22	=	Manual valve

2 Valve Size

08	=	1/2"

3 Valve Trim Material

V	=	PVDF PolyVinylidene-Fluoride

4 Valve Housing Actuator Style

M	=	Manual panel nut (1/4 turn)
N	=	Manual no panel nut or 10-32 (1/4 turn)
P	=	Pipe 1/8-27 FNPT
T	=	Multi-turn
S	=	Multi-turn panel nut

5 Valve Style

0	=	2-way manual valve
1	=	Normally Closed
2	=	Normally Open

6 Inlet End Style

B	=	Fusebond
FL	=	Parflare
SP	=	S300

7 Inlet End Size

08	=	1/2"
12	=	3/4"

8 Outlet End Style

B	=	Fusebond
FL	=	Parflare
SP	=	S300

9 Outlet End Size

08	=	1/2"
12	=	3/4"

10 Nut Material

V	=	PVDF
T	=	PFA
C	=	Clicker ring only for S300
S	=	S300

22 Series Valves 1/2" and 3/4"

Specifications

Materials of Construction	
Wetted	
Body	PFA
Diaphragm	Modified PTFE
Non-wetted	
Housing, Lever	PVDF
Spring	SS, Fluoropolymer coated
Screws	SS
Operating Conditions (Operating limits based upon pressure applied at inlet port.)	
Maximum Pressure	100 psig forward / 80 psig backward
Minimum Pressure	Vacuum
Actuation Pressure	60 to100 psig
Media Temperature	0° to 100°C/32° to 212°F
Storage Temperature	-40° to 65°C/-40° to 150°F
Environment Temp	0°F to 120°F

Functional Performance	
Proof Pressure	120 psig
Burst Pressure	200 psig
Flow Capacity	
1/2" Flare	2.3
3/4" Flare	4.3
Leak Rate	
Internal	No bubbles 30 sec, N_2 gas
External	Bubble tight

Part Number: 25000325A Rev— Description: 22 SERIES LITERATURE 9/17

ENGINEERING YOUR SUCCESS.