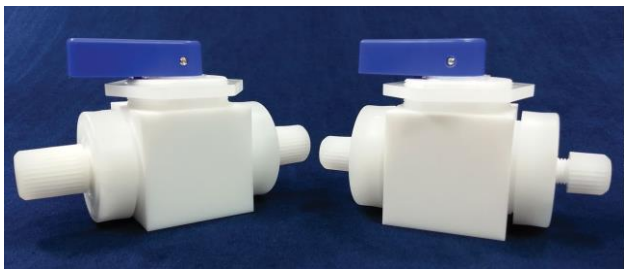
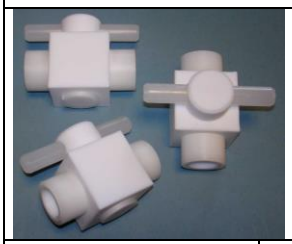
Teflon Line "*High-Purity * High Corrosive Fluids*"

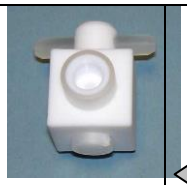
This comprehensive line of fluoroplastic fluid & gas handling components is designed to handle ultra pure or high corrosive fluids. Most of our products is fabricated from PTFE (Teflon) for the utmost in chemical inertness, protection and corrosion control. Some are made in other fluoroplastics including PP, PVDF, PVC.
Main applications can be met in semiconductor mfg; medical, biological or research laboratories; chemical analysis equipments; food industries; chemical plants; pharmaceutical plants
For "*High-Purity*" applications our components are manufactured in dedicated 'clean rooms'.

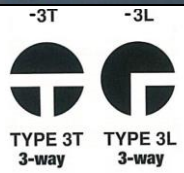
TEFLON BALL VALVE (two ways)

- All wetted surfaces in Teflon
  (no O-Rings nor elastomeric packings)
- 1/4 turn (ON-OFF) manual operation
- Panel mount optional
- Operating: **Press 8 Bar Temp. 160 C°**
- Sizes: 1/4; 3/8; 1/2; 3/4; 1" NPT fe
- Port selection: threaded(NPT); Flared; Pipe









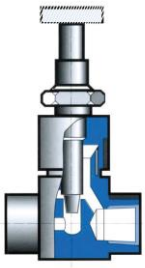
TEFLON STOPCOCK VALVE (2/3/4 ways)

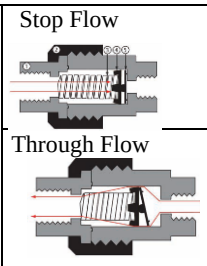
- Type "*Stopcock*" is a precision machined valve often suitable for the function of a ball valve
- 1/4 turn (ON-OFF) manual operation.
  For many ways the handle points in the flow direction
- Panel mount option available
- Operating:
  Press: Vacuum to 4 Bar Temp: 110 C°
- Sizes: 1/8; 1/4; 3/8; 1/2; 3/4 NPT fe
- Port selection: threaded(NPT); Flared; Pipe

METERING VALVE:

use a tapered plug-stem to give fine adjustment to the flow in addition to a full, open, or positive shutoff postition. We recommend filtering the media prior to entering the valve

- Two configurations: Straight and Angled Flow .
- Operating:
  Press: Vacuum to 4 Bar Temp: 110 C°
- Sizes: 1/8; 1/4; 3/8; 1/2 NPT fe





CHECK VALVE

Check valves feature all PTFE wetted surfaces for excellent performance in all high purity applications.
Sizes: 1/8 to 1" NPT fe *Press: 4 Bar *Temp: 110°C
Options:

- Teflon coated SS spring for greater cracking
- Viton or **Kalrez seals**

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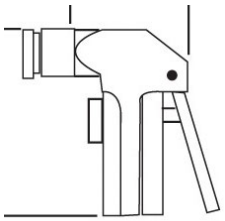
SPRAY GUNS

Our spray guns are constructed of virgin PTFE for long life span in harsh acidic or corrosive environments.
They are quickly becoming the industry standard in semiconductor fab plants, wet benches and work processing stations. All the Spray Guns may be purchased individually or with a variety of fittings and hoses.

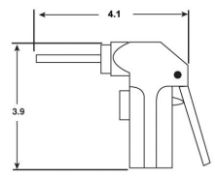
NITROGEN GUNS

PTFE Nitrogen Guns can deliver maximum anti-corrosion protection wherever extreme chemical environments are used in the vicinity of nitrogen dispensing or dying.



Liquid DISPENSE GUNS

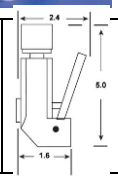
Designed with spring totally isolated from media, a perfect choice for dispensing acids and solvents. The longer nozzle allows for them to be inserted into a container thus minimizing splashing



EYE WASH

Designed to provide emergency eye/facial rinse. When activated a soft flow of aerated water is released.

The non-metallic aerator converts harsh city water into a bubbly smooth stream while the PTFE body remains inert to its potentially hostile chemical environment



2/3 Ways *mini*

TEFLON SOLENOID /PNEUMATIC VALVE

The all wetted surface PTFE body, valve stem and one piece long lasting diaphragm maintain a material inert boundary for ultra clean applications.

- Valve Seat options: Viton *Kalrez *Teflon
- Sizes: 1/8; 1/4; 3/8; 1/2NPT fe
- Max Press: 3 Bar Temp range: 0 - 100 C°
- Coil Voltages: 12 Vcc; 24 Vcc ; 230 Vac

Manifold Valves

TEFLON PNEUMATIC VALVE 2/3 Ways

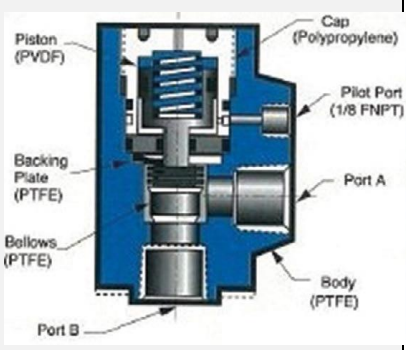
Ideally suited for harsh chemical +corrosive media and environments. ***Anti-Bacteria*** option to reduce bacteria build-up

Application Uses:
- DI Water Rinse
- Wafer Etching
- Phosph. Acid Removal
- Sulfuric Peroxide Stripping
- Potassium Hydroxide Etching

Features:
- **1** Piece PTFE Body
- Optimum Anti-Corrosion Design
- Hi-Temp Applications
- Full Media Isolation
- Restrictive Flow options

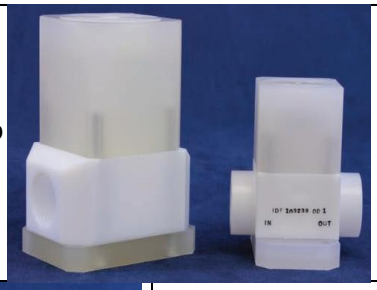
Sizes: 1/2; 3/4; 1" NPT F

Temp.max: 120 C°(1Bar)
Max Press.: 3 to 5 Bar
Actuator Press: 4-6 Bar



Anti-Bacteria option adds a metering screw bypass across valve, to maintain minimum flow against bacteria build-up

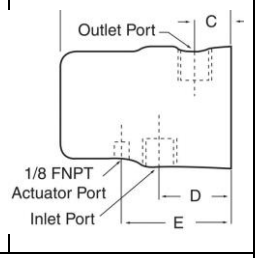
In-Line DIAPHRAGM VALVE (2 Ways *Pneumat.operated):



- All wetted PTFE flow path with a diaphragm design for ultra pure service.
- Inline flow path reducing cavity corners & dead spots
- The AB Option (not shown) significantly reduces potential of bacteria buildup and maintain a consistent flow via an independent adjustable mechanism.
- Ends Sizes: 1/2 3/4 NPT F
- Max Temp.: 140 C° *Max Press.: 3 Bar

MULTI-USE 2 Ways Pneumat. VALVE (PVC-PP-PVDF)

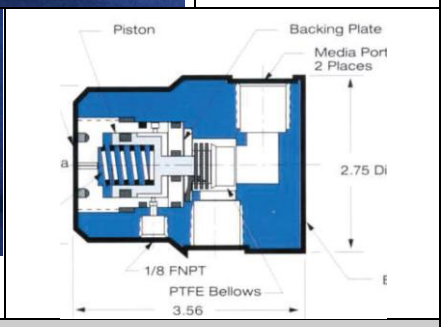
>Suitable for wet bench manufacturers and semiconductor facilities where DI Water is required.
>The bellows-stem design isolates pneum. actuator from media
*Materials options: PVC - Polyprop. - PVDF (Kynar)
*Sizes: 1/2; 3/4; 1" NPT F * Max Press.: 3 to 5 Bar
*Max Temp: 60 C°(PVC) / 70 C°(PP) / 100 C°(PVDF)



DI WATER VALVE (2 Ways Pneum. Operated)

>Suitable for wet bench manufacturers
>Wetted Path free from *Elastomers *Springs

- Material (body+piston+cap): **PVC/ PP/ PVDF**
- Sizes: 3/8; 1/2; 3/4; 1" NPT fe
- Max Temp: 60 C°-PVC / 70 C°-PP / 100C°PVDF

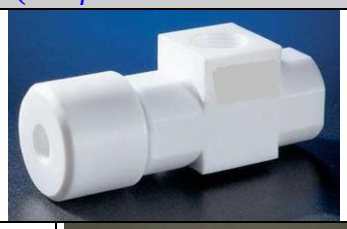


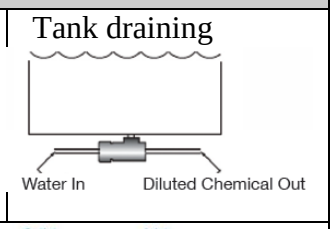
Other PTFE Flow Devices (*Ask for detailed bulletins*)

Dilution Drain Valve (Water Press.operated)

>Ideal for cooling and diluting solutions while draining
>Designed to shut off the drain automatically if the water flow is interrupted (Fail Safe Design)
>Fits tanks with 3/8, 1/2, 3/4 main drain ports

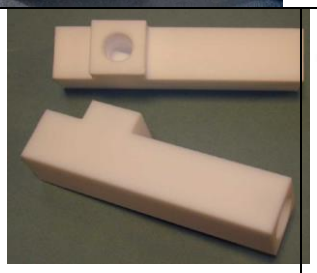
- Operating Temp.Range: 0 C° to 140 C°

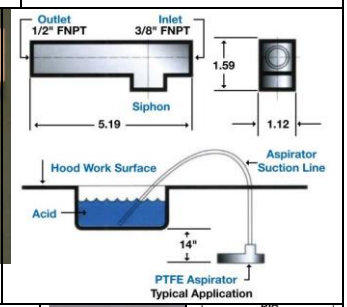




PTFE Air & Liquid Aspirators :

manufactured from virgin PTFE and designed for fast +efficient siphoning of hard to handle chemicals.
Air Aspirator uses clean dry shop air or Nitrogen to initiate and sustain a forced siphon. Applications include draining + mixing of containment vessels.
Liquid Aspirators use common city water or DI Water to aspirate and dilute harsh chemical baths. Typical use is dilution siphoning of Sulfuric Acid (H2SO4) used for chemical cleaning.



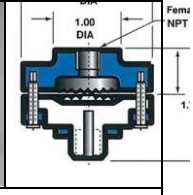


PTFE Pressure Relief Valve:

fully adjustable within a 0,7> 6 Bar range by Hex adjust.Screw.
1/4*3/8*1/2 NPT-F ends
Material options: *Polypr. *PVDF

PTFE Gauge Isolator:

protects press gauge or other press.sensor from corrosive media+ prevents ultra-pure liquids contamination.
*End Sizes:1/8 *1/4 NPT



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