

High Purity Solutions

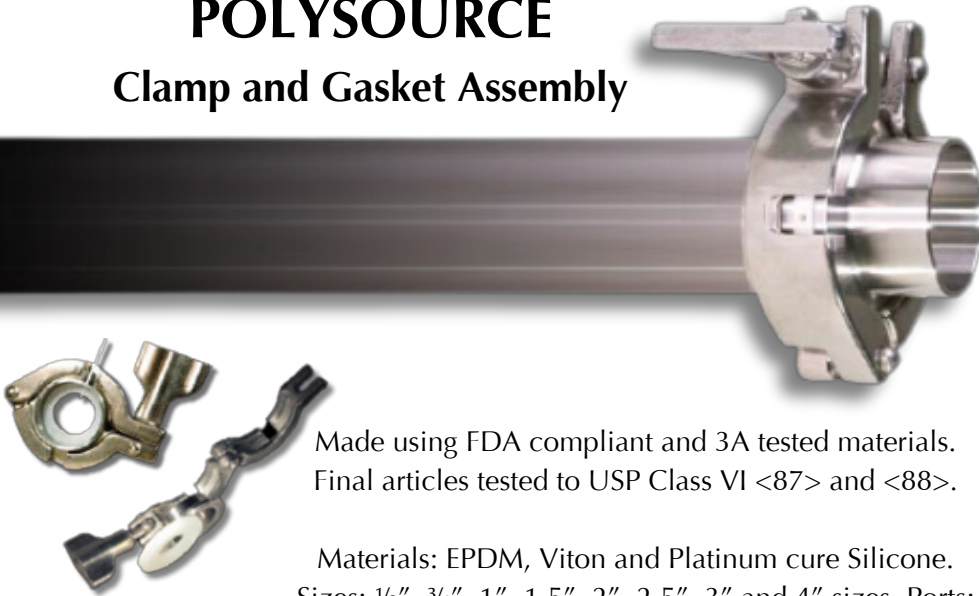


Fluid Path Products



POLYSOURCE

Clamp and Gasket Assembly



Made using FDA compliant and 3A tested materials.
Final articles tested to USP Class VI <87> and <88>.

Materials: EPDM, Viton and Platinum cure Silicone.
Sizes: 1/2", 3/4", 1", 1.5", 2", 2.5", 3" and 4" sizes. Ports:
1, 2, 3, or 4"

Source Assemblies provide access to your pipeline through your sanitary connections with a Source Gasket assembly. 1, 2, 3, or 4 ports through the wall of the gasket enable users to perform thermal mapping or draw samples out of a process pipeline. Only a sanitary clamp connection is required to utilize a Source Gasket Clamp assembly.

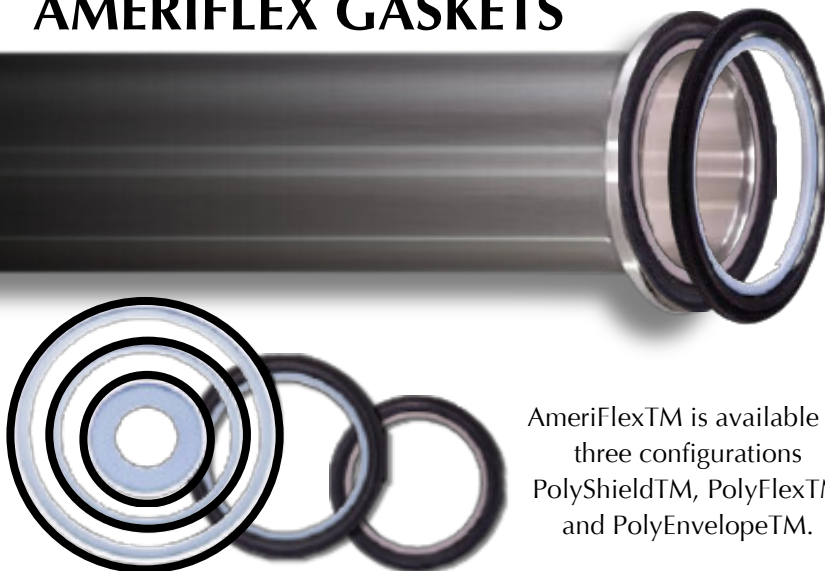
Thermal Mapping and validation can be performed safely without the risk of exposing operators to dangerous steam. Wires can be fed through the clamp and gasket and the system is closed from atmosphere.

POLYGAUGE ISOLATOR



Protect the faces of your gauges to stop corrosion without sacrificing gauge performance. Clamp sizes from 1/2" through 2" can be placed on the face of your gauge so that caustic and acidic fluids won't come into contact with the gauge diaphragm. A thin membrane is molded in place favoring one side of the gasket ring so that the membrane is flush with the gauge face.

AMERIFLEX GASKETS



AmeriFlex™ is available in three configurations
PolyShield™, PolyFlex™
and PolyEnvelope™.

Fluid Path is proud to offer the only line of PTFE bonded to Rubber products made in America. PTFE-bonded gaskets offer the best of all worlds, a PTFE surface with the compressibility and memory of an elastomer. PTFE and Stainless Filled PTFE have excellent chemical resistance and with our innovative gaskets, they now have superior sealing characteristics.

The combination of rubber and PTFE creates the most compressible PTFE sanitary gasket product ever. AmeriFlex products seal with greater efficiency, extending gasket life, and even achieving and maintaining seal performance under vacuum. Seal-ability provided by the elastomer and an inert contact surface make AmeriFlex the most versatile gaskets. So plants can standardize on the right AmeriFlex Gasket for every connection in the plant.

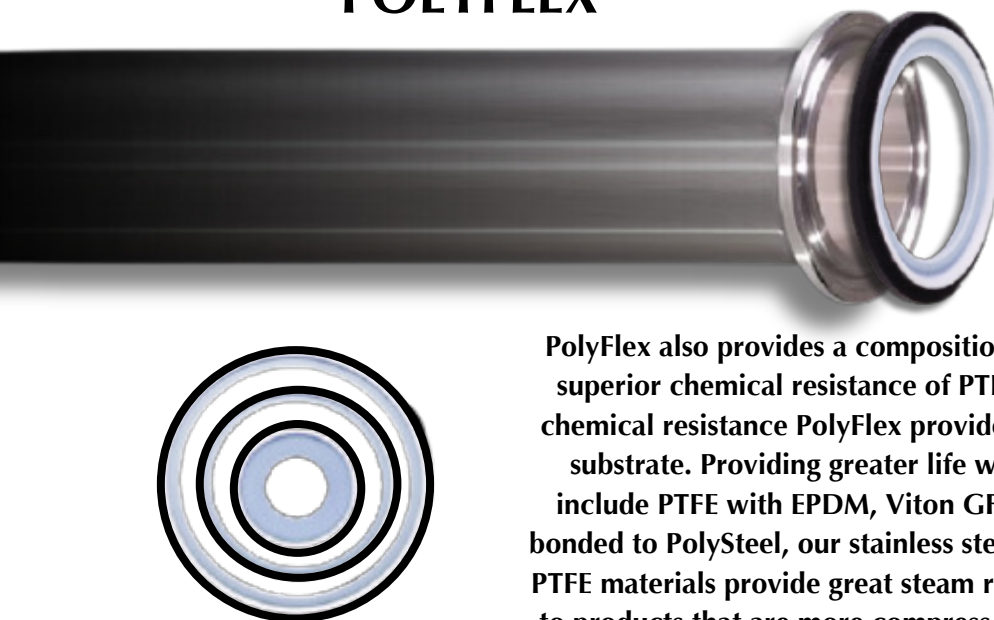


POLYSHIELD



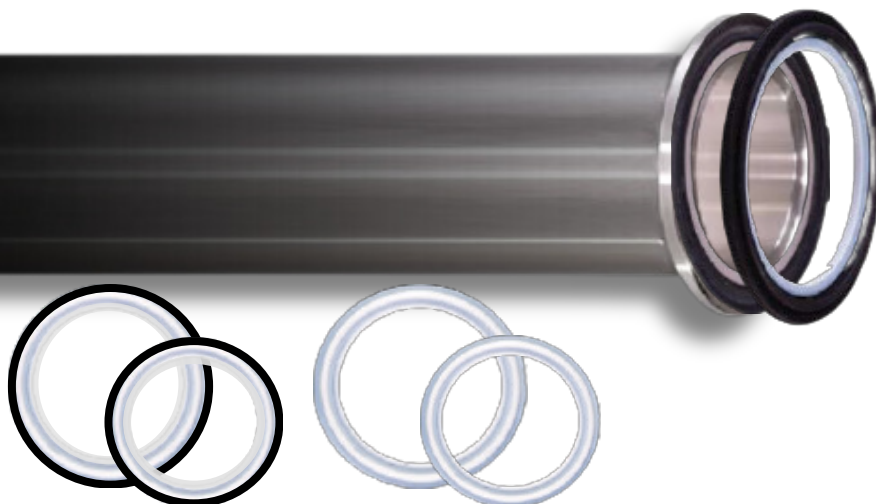
PolyShield is the most flexible gasket with maximum memory and a discreet PTFE contact surface. PolyShield is predominantly comprised of Rubber with a discreet PTFE contact area. The design results in a long life gasket with uncompromised seal-ability with PTFE. Materials include PTFE with EPDM, Viton GF-600's or Platinum Silicone. Steel Shield™ is the ideal gasket for the users that prefer Stainless Steel filled PTFE compounds. Fluid Path combines the 316L Stainless Steel gasket material with an elastomer to create the only gasket comprised of that material to maintain a seal under a vacuum. Never before has a Stainless Filled PTFE material had great seal-ability and flexibility. Materials include PolySteel with EPDM, Viton GF-600's or Platinum Silicone.

POLYFLEX



PolyFlex also provides a composition that provides memory, flexibility and with the superior chemical resistance of PTFE contact surface. If you are looking to extend chemical resistance PolyFlex provides the maximum PTFE coverage of the elastomer substrate. Providing greater life where chemicals are most aggressive. Materials include PTFE with EPDM, Viton GF-600's or Platinum Silicone. SteelFlex is rubber bonded to PolySteel, our stainless steel filled PTFE material. While stainless steel filled PTFE materials provide great steam resistance, that composition has lost market share to products that are more compress-ible and can hold a seal in vacuum applica-tion. SteelFlex is the only Stainless Filled PTFE product that addresses those issues. Materials include PolySteel with EPDM, Viton GF-600's or Platinum Silicone.

POLYENVELOPE



PolyEnvelope is a bonded gasket that provides a full PTFE envelope that extends from the ID to the OD of the seal. The PolyEnvelope has tremendous flexibility and memory while providing the maximum PTFE surface.



POLYSTEEL



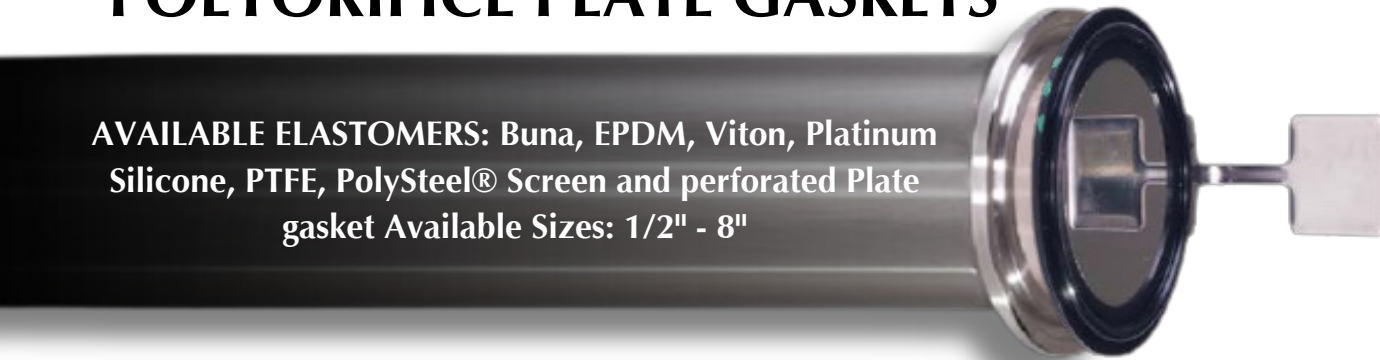
A 50/50 blend of PTFE and Stainless Steel Polymer that resists creep and cold flow in steam and delta T applications. The geometry of Fluid Path's PolySteel is designed and constructed for maximum sealability, providing leak proof performance. PolySteel will offer less downtime in plants.

Use PolySteel in combination with our elastomers to vastly improve memory and extend the life of your gasket. For maximum flexibility and a discreet PolySteel contact surface choose SteelShield. For a greater amount of PolySteel coverage use SteelFlex. The flexibility of both products will impress you.

Available in 1/4" through 12" gasket sizes.
GRQ Clamps

POLYORIFICE PLATE GASKETS

AVAILABLE ELASTOMERS: Buna, EPDM, Viton, Platinum Silicone, PTFE, PolySteel® Screen and perforated Plate gasket Available Sizes: 1/2" - 8"



Fluid Path brings you innovations that are essential for Orifice Plate gasket needs, combined with our pedigree of polymers bonded to plates with 10 ra or better finishes.

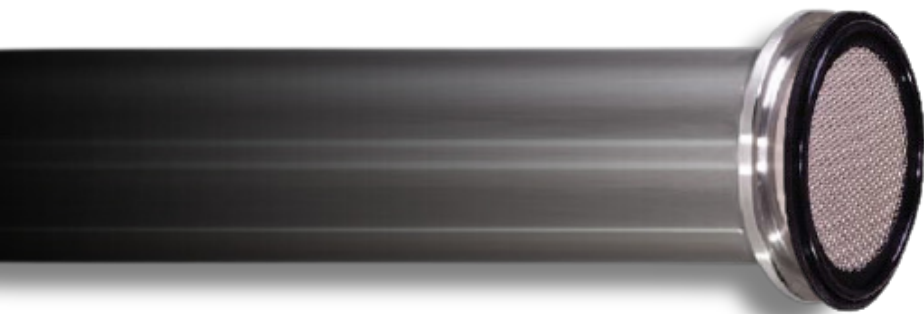
RIGHT ANGLE TAB ORIFICE PLATES no special clamp required!

The exclusive RIGHT ANGLE TAB GASKET design from Fluid Path allows users to know where an orifice plate is in a line and information can be etched on the tab. All of these benefits are achieved without the need for an expensive slotted clamp. The Right Angle Tabbed Orifice Plate gasket works with standard clamps.

Only Fluid Path bonds our PTFE and Stainless Filled PTFE "PolySteel" to the Stainless Steel Plates. The other brand traps the plate between the gasket, which creates a cavity at the PTFE to metal contact surface. Fluid Path has developed an innovative process to actually bond to the plate. Carefully scrutinize the competitors' product and you'll see the bacteria entrapment areas.



POLYSCREEN & Filtering Products



Fluid Path produces a large variety of screen and filtering products. Call for versatile engineering designs to solve your particulate retention needs. Clamp screen gaskets, perforated plate gaskets, and sock gaskets are made with PTFE, PolySteel, Viton, EPDM, and buna materials.

AVAILABLE ELASTOMERS: Buna, EPDM, Viton, Platinum Silicone, PTFE, PolySteel® PolyScreen and perforated Plate gasket Available Sizes: 1/2" - 8" PolySocks Available Sizes: 1" through 4", 1/2' and 3/4" custom orders.

Perforated Plate Gasket Available Sizes: 1" through 4", 1/2' and 3/4" custom orders.



Sock gaskets can be customized in length. Standard sizes range from 1" through 4". Fluid Path can also produce custom 1/2" and 3/4" sock gaskets. Ask about of patent pending dip tube screen.

POLYCONNECT GASKETS

All the best gasket features in a single gasket.

- Slides in place to align and install hands free.
- Color code for batch protection.
- Stops over-compression of seal preventing intrusion.



Fluid Path continues to evolve the comprehensive gasket design that offers hands-free assembly, compression control, and color coding by developing innovative slide-in-place technology that enables the benefits of a flange without the need to spread the piping for installation.

PolyConnect offers compression limiting with a steam-resistant elastomer combined with the best-performing EPDM utilized in the pharmaceutical and biotech industries.

We have realized the longest life ever realized in studies where Fluid Path combines our engineered plastic and rubber compounds. Realize a seamless connection in a clamp connection that meets the BPE intrusion class.

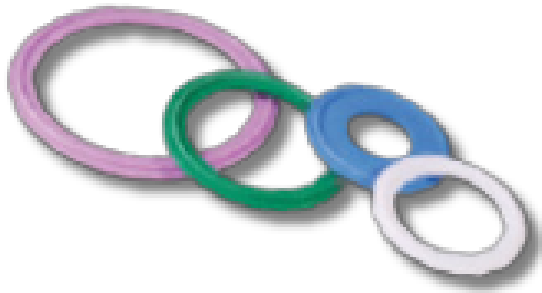


LASER ETCHED GASKETS



Fluid Path takes great pride in our lot traceability program. We offer laser-etched gaskets to ensure that every gasket has lot traceability before, during, and after installation. Our gasket is not just laser etched, Fluid Path's etched gaskets also include a USP class VI tested white marking that makes the lot number stand out clearly.

COLORED POLYMER PRODUCTS



Fluid Path produces color PTFE, Buna, EPDM, Viton and PolyDetect materials to enable plants to separate process areas, products, and identify PMO programs. Choose the colors of your choice for any polymer.

COMPOUNDS WITH ENGINEERED PEDIGREE

AVAILABLE Engineered Polymer Products: Buna, EPDM, Viton A, Viton GF-600s, PTFE, Peroxide-Cured Silicone, Platinum Cured Silicone, PolySteel, AmeFlex-PolyFlex, PolyEnvelope, PolyShield
AVAILABLE SIZES: 1/4" - 12"



Fluid Path's foundation is built on compounds with the newest architecture that are formulated to provide longer life and the most consistent performance. We don't offer "standard gaskets" as our competitors call them.

All of our gaskets feature engineered geometries, engineered polymers, and larger ID's specified to meet the most stringent BPE specifications. Proof of our product integrity is proven by the gasket life studies that we have outperformed in every case. Fluid Path's detailed traceability program ensures that we avoid the catastrophic gasket failures realize by the other "standard gaskets" sold by others.



Fluid Path Food and Dairy Products

All Products available in Poly Detectable Material

Identify costly and risky contaminants by detecting the fragments of the Polymers in your plant by using PolyDetect materials. The inclusion of rust-free metal into our engineered polymers enables plants to avoid shipping your food and dairy products before your finished product is packaged and shipped to the customer. Lowering costly and potentially embarrassing product recalls.

The possibilities are endless as Fluid Path produces clamp gaskets, Schedule V, I-Lines, Bevel Seat, John Perry, Q-Line, Screen gaskets, Orifice Plate gaskets, Balls for Check Valves, and O-rings. Many color choices are available.

Fluid Path has developed a cost-efficient process that makes detectable gaskets affordable NOW! Save with FlowSmart on both your initial investment and product loss with our PolyDetect products.

TR Seats



Save money on Fluid Path TR Stem seats made in PTFE, TFM, Blue PTFE and PolyDetect TFM.

Optional materials include PolySteel, PolyDetect and Blue PTFE. Bevel Seat gaskets Are available in buna, EPDM, Viton, Platinum Cured Silicone, Teflon and PolySteel. A variety of colors and PolyDetect materials are also available.

John R. Perry



Available polymers include PolyDetect, Buna, EPDM, Viton, Teflon and PolySteel. Sizes are 1-1/2" through 6".

Available polymers include PolyDetect, Buna, EPDM, Viton, Teflon and PolySteel. Sizes are 1" through 6".

Flanged Gaskets



In the intricate dance of industrial connections, where reliability is non-negotiable, Fluid Path's Flanged Gaskets emerge as the undisputed guardians of leak-free assurance. Precision-engineered to fit seamlessly between flanges, these gaskets represent the epitome of sealing excellence.

Available polymers include PolyDetect, Buna, EPDM, Viton, Teflon and PolySteel. Sizes are 1" through 6".

O-Rings



O-rings that fit Waukesha and Tri-Clover pumps and valves Buna, EPDM, Viton and PolyDetect elastomer o-rings are available for Tri-Clover and Waukesha components.

Q-Line



Fluid Path produces Q-Line gaskets using all of our polymers including buna, EPDM, Viton, Platinum Cured Silicone, Teflon, and PolySteel. A variety of colors and PolyDetect materials are also available. Our sizes range from 1" to 4" sizes.

I-Line



Fluid Path molds all sizes of our elastomeric I-Line gaskets providing a discreet seal point that is critical in establishing and maintaining an effective seal. Available polymers include PolyDetect, Buna, EPDM, Viton, Teflon and PolySteel. Sizes are 1" through 6".

Chemical Compatibility Polymer Reference Guide

Fluid Path Polymer	Nitrile Elastomer	Fluoro-Elastomer	Platinum Cured Silicone Elastomer	Peroxide Cured silicone Elastomer	Ethylene-Propylene Diene Monomer	PolyTetra Fluoro Ethylene	Poly Steel Polymer
CHARACTERISTICS							
ASTM D-1418 Designation	NBR	FKM	VMQ	VMQ	EPDM	PTFE	PTFE/316L
Common Trade Names	Buna-N	Viton Fluorel	Silastic Elastosil	Silastic Elastosil	Dutral Nordel	Teflon	
Typical Hygienic Industry Designate	U	SFY	RXPX	X	EPDM	G	GTS
Hygienic Color Code	RED	Yellow & White	Remains Clear	Pink	Green X3	Remains White	Remains Grey
Specific Gravity (Polymer)	1	1.8	1.1	1.1	0.85	2.13	2.25
Hardness Shore A Durometer (s)	30 - 95	80 OR 75	80 OR 70	70	70	55-Shore D	65-Shore D
Maximum Tensile (P.S.I.)	3000	2000	1200	1200	2500	4000	4600
Heat Resistance intermittent	240Deg F	410Deg F	580Deg F	540Deg F	300Deg F	450Deg F	578Deg F
Continuous	210Deg F	380Deg F	490Deg F	460Deg F	260Deg F	400Deg F	526Deg F
Low Temperature Resistance	-65	-20	-85	-95	-70	-350	-370
Abrasion Resistance	G	G	F	F	F	F	F
Ozone Resistance	NR	E	E	E	E	E	E
Radiation (Gamma) Resistance	G	F	F	F	E	E	E
Recovery after Distortion	G	G	G	G	F - G	NR	F
Tear Resistance HOT	F	F	F	F	F	E	E
Tear Resistance COLD	F	F	F	F	G	E	E
Acids, Dilute	G	E	G	G	G	E	E
Alkalies	G	G	E	E	E	E	E
Alcohol, Glycols	E	G	E	E	E	E	E
Animal Oils & Fats	E	E	G	G	F	E	E
Soaps, Bleaches, Detergents	F-G	G	F	F	E	E	E
Steam	F	F	G	G	E	G	E
Vegetable Oil	E	E	E	E	G	E	E
Water	G	E	F	F	E	E	E

CODE :

E = Excellent, G = Good, F = Fair, NR = Not Recommended

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