



BPE Class Products for the Pharmaceutical, Biotechnology, and Personal Care Industries



PUMPS · VALVES · FITTINGS · TUBING · CUSTOM FABRICATIONS

Active members: ISPE
Active Committee Participants: ASME BPE

www.toplineonline.com

TOP-FLO® Diaphragm Valves

TOP-FLO® hygienic diaphragm valves compete with the leaders in the industry and we can provide many innovative process solutions. Top Line offers standard 2-way, ZERODL™ Point of Use, ZERODL™ T-pattern, L-pattern, Sterile Access, actuation and accessories, forged or cast, 316L stainless steel bodies. Available in sizes 1/4" - 6"



The BIOPRO® forged and cast valves are the recommended choice for the high purity industries.



Tank bottom valve



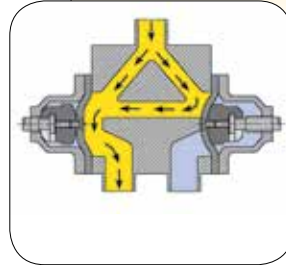
Access valve



Point of Use valve



Divert valve



topln.co/diaphragmvalves

TOP-FLO® Series 77 Ball Valves

Series 77 3-pc ball valves feature a high quality CF3M investment casting of center body and end caps with 316L ball & stem and are an excellent choice for use in clean steam systems. Valve end connections are hygienic clamp or extended butt weld type for orbital welding. Standard seals are non-cavity filled modified PTFE (MPTFE) that are FDA conforming and USP Class VI certified. Internal surface finishes available are BPE codes SF1, SF4, and SF5. All stainless valve components are fully traceable with MTR's for center body, end caps, ball, and stem. Available in sizes 1/2" - 4" – all valves feature direct mount ISO5211 mounting pad for easy automation and stem extension installation.



Electric

topln.co/highpurityball

TOP-FLO® T45MP Check Valves

The T45MP disc type 316L check valve can be used in a variety of hygienic processes depending on construction selected including product contact systems, compendial water systems, clean steam systems, and clean gas (oxygen, nitrogen, pharma clean air). Valve-end connections are hygienic clamp or extended butt weld type for orbital welding. Configurations in both concentric and eccentric outlet are available. Standard FKM internal seal material is FDA conforming and USP Class VI certified. Internal surface finishes available are BPE Codes SF1, SF4, and SF5. The size range is 1/2" - 8".



topln.co/checkvi

TOP-FLO® Sample Valves

Top Line low profile sampling valves provide minimum dead leg areas and positive shut off for sensitive fluids. Valves are available with butt weld or sanitary clamp end connections with hose barb discharge as standard. Standard connection sizes are 1/2" - 6" clamp end.

We offer the following:

- Right Angle
- In-Line
- Eccentric



topln.co/sample

BPE Fittings

Top Line provides BPE fittings in sizes ranging from 1/2" - 4" in both automatic weld and hygienic clamp ends. 6" fittings are also available. Our precision crafted fittings provide reliable technology advanced components which are designed for today's high speed automatic weld equipment. Our fittings are provided with sanitary finishes that meet or exceed pharmaceutical process specifications with a wide range of complimentary products. These fittings are manufactured to dimensional specifications per BPE and demonstrate cost reduction to third party users due to decreased rejection rate. All BPE fittings are protected with end caps, sealed in transparent bags and provided with material test reports.



topln.co/bpefittings

Pharmaceutical Grade Tubing (BPE)

Top Line supplies BPE certified 316L stainless steel tubing in sizes 1/2" - 4" in 20' lengths and 6" in 19' lengths. The two internal surface finishes available are BPE SF1 (20Ra Max I.D.) and BPE SF4 (15Ra Max I.D. w/electropolish) with 30Ra external mechanical polish. All BPE tubing has controlled sulfur content to accommodate orbital welding. The tubing is bagged and capped to both maintain cleanliness and for protection during shipment.



topln.co/magdrive

Custom Fabrications

Top Line's skilled craftsmen and specialized equipment combine to produce a wide variety of custom fabricated stainless steel process flow components. All specials are made to customer requirements and are available in a wide variety of sanitary finishes. We specialize in:

- Custom sanitary spool pieces
- Dip tubes
- Diaphragm valves
- Strainers
- Tubing
- Special tees
- Custom fittings
- Manifolds
- Machine parts



topln.co/custom

Sanitary Magnetic Drive Centrifugal Pump

The MKP-Bio series mag drive pump is an excellent solution for aseptic applications such as WFI and other compendial water applications. The vertical orientation and special internal machining of components allow for drainability to the suction inlet of the pump. Multiple internal surface finishes, various static seal materials, and motor options are available to suit system requirements. The design of the pump was developed to EHEDG recommendations to provide the highest level of cleanability.



topln.co/magdrive

TOP-FLO® TF-C Series Centrifugal Pumps (3-A)

TOP-FLO® centrifugal pumps range encompasses five TF-C series style sizes TF-C100, TF-C114, TF-C216, TF-C218, and TF-C328. General pump construction is 316 SS for wetted parts, 304 SS pump adapter, and FDA & 3-A conforming elastomer seals. Standard pump capacities are from 10-500 gallons per minute. TOP-FLO® pumps have been designed to offer efficient, gentle transfer of product over a wide range of flow and viscosity conditions and are easy to install, clean, and maintain. Top Line centrifugal pump replacement parts & seal kits are specifically designed to fit TOP-FLO® pumps and comparable types from other major pump manufacturers. Pumps are 3-A approved.



topln.co/cent

Rotary Lobe Pumps (3-A)

Top Line offers a complete capacity range of rotary lobe style pumps. Standard construction is 316L stainless steel wetted components with internal finish to 32R_a. Options include various seal materials, seal flushes, jacketed front covers, integral pressure relief valves, various end connections, FDA approved elastomers, and improved internal finishes.



topln.co/pdpumps

Electropolishing

Electropolishing is an electrochemical process that removes surface metal by attacking the high points on the surface. The surface becomes smoother and any contaminants and free irons will be removed. This will improve the corrosion resistance, reduce the product adhesion and contamination buildup, deburr, and create a lustrous finish.



topln.co/electropolishing

TOP LINE
PROCESS EQUIPMENT COMPANY

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service and quality

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This is what our customers are saying about us:

- "If you're looking for great customer service this is the place!"
Gene Rademacher – Trans-Market
- "We have developed a great partnership with Top Line and their dedication to us is evident in all aspects of product supply, custom services and professionalism."
Rick Keough - Yeager Supply, Inc



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