

**PV Line Cards:**

- Actuation & Controls
- Commercial Plumbing & HVAC/R
- Corrosive Fluid PVF Solutions
- Industrial PVF
- Instrumentation
- Sanitary Process Division
- Steam, Hot Water, Humidification
- Pipe Shop Capabilities

**Actuation**



- Pneumatic Rack & Pinion
- Electric Actuators
- Canister Actuators
- Limit Switches
- Positioners & Controls
- Control Top Communication Modules

**Sanitary Ball Valves**



- Encapsulated & Non-Encapsulated 2-Way, 3-Way
- Characterized V Seat 2-way Sanitary SS Control Valve
- Pneumatically & Electrically Actuated Ball Valves

**BPE Bio-Pharm Fittings**



- BPE 316L Fittings Meet And Exceed ASME Bioprocessing Equipment (BPE) Guidelines
- 1/4" - 6" O.D. Tube Size
- Elbows, Tees, Reducers, Use Points, True Y's & Laterals, Crosses, Ferrules, Solid End Caps & Weld Caps, Gaskets, Clamps, Adapters, Stub Ends & Slip On Flanges

**Sanitary Butterfly Valves**



- Three Handle Options
- Short Face To Face Profile
- B5102 Clamp Acts Like BFV
- Vertical Canister Pneumatic Actuators

**3A Sanitary Fittings**



- Clamp Fittings, 304L And 316L, 1/2" - 8"
- Gaskets: Buna-N, EPDM, Teflon, Viton
- Weld Fittings for clean in place (CIP), 304L and 316L, 1/2" - 12"
- Bevel Seat Fittings, 304L And 316L, 1" - 4"
- More: I-Line, Q-Line, John Perry, European, Camlocks, Pipe Size, APV/APC

**Sanitary Check Valves**



- Spring Check Valves
- Y-Ball Check Valves
- Air Blow Check Valves

**3A PVE Single Seat Valves**



- AISI 316L SS Body And Parts Designed To Withstand Up To 1M Cycles
- Shut-Off Valve
  - Divert Valve
  - Pressure Relief Valve
  - Tank bottom Valve

**Relief Valves**



- Air Relief Valves
- Air & Vacuum Relief Tank Vent Valves

**Bio-Pharmaceutical Diaphragm Valves**



- Manual, Pneumatic, Electromotive
- Quick Turnaround
- Customer-specific Process Designs
- Optimal Internal Cleaning Due To Circumferential Defined Seating Angle
- Product Entrapment Eliminated On Body Bonnet Flange

**Sampling Valves**



- All 316L Wetted Parts
- Standard 20 Ra ID / 32 Ra OD Finish
- Bio Check Sampling Valves
- Valve Body Made From Solid Bar
- Drainable
- Hermetically Sealed Against Environment
- Connections Suitable For Orbital Welding

**High Purity Clean Steam**



- Clean Steam Thermostatic Traps
- Thermodynamic Clean Steam Traps
- Stainless Steel Sanitary Pressure Regulators
- Sanitary Sample Cooler
- Stainless Steel Filters
- Stainless Steel Clean Steam Separators

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**Sanitary Instrumentation**



- Sanitary Pressure Gauges with Integrated Diaphragm Seal
- Sanitary Diaphragm Seals
- Sanitary Pressure Transmitters And Transducer
- Sanitary Temperature Transmitters

**Hoses & Hose Fittings**



- FDA Food Grade
- Styles: Convuluted Or Smooth Bore
- Cover Types: 316 Stainless Steel Braid, Bronze Braid, Polypropylene Braid, Double PVDF Kynar, EPDM
- Liner Materials: PTFE, PFA, FEP
- Sanitary Hose Fittings:
  - Standard Tri-clamp Or "S" Series
  - Mini Sanitary
  - "I" Line Style - Male Or Female
  - "Q" Line Style - Male Or Female
  - Bevel Seat Threaded - Male Or Female
  - Special Elbow Configurations
  - Step-up Sizes
  - Special Polishing Available



**Tube**

**Over 2 miles of tube in stock!**



- ASTM-A270 Polished #7 20Ra/32Ra Sanitary Tube, 304L & 316L, 1/2"–6"
- ASTM-A269 Unpolished (Bright Annealed) Tubing
- ASME BPE Compliant 316L Tube 1/2" - 4"

**Sanitary Gaskets & O-Rings**



- 1/2" - 8" In Viton, PTFE, EPDM, BUNA, Silicone



**Passivation & Rust Removal**



- Citrisurf - Direct Safe Replacement For Nitric Acid Passivation
- Kleerleen - Pre-Cleaner In Passivation Line Or Other Specialty Applications
- Rust Rescue - Citric Acid Based Cleaner Of Stainless Steel
- Weld Wizard - Weld Cleaning And Passivation Kits



**Pumps**



- Centrifugal pumps
  - Top-Flo TF-C Series Sanitary Centrifugal Pump



- Positive Displacement pumps
  - Ampco ZP3 Series Positive Displacement Pump



- Twin Screw pumps
  - Ampco SLH-4U Series Twin Screw Pump



- Portable Pump Carts



- SIMPLE-blend customizable mixer/blender carts

- Replacement Pump Parts

**Hangers & Supports**



- Sanitary Compact Hangers
- Adjustable Height Hangers
- Floor Mount Stands
- Mount Clamps

**More...**



- Sight Glasses
- Strainers & Filters
- Spools
- Seal Kits

