

# AMERICAN STAINLESS & SUPPLY

Solutions Group

## BIO-PHARM FITTINGS

316L stainless steel fittings  
ASTMW BPE specifications  
USP24 Pharmaceutical Class VI

Complete line of fittings in both  
Standard & custom configurations  
To meet BPE surface finishes and  
Material/fabrication traceability

- Mechanically polished
- Electropolished
- Cleaning
- Marking
- Packaging
- Documentation



## SED DIAPHRAGM VALVES

American Stainless offers the latest  
diaphragm valve technology for high purity  
manual and actuated specifications.

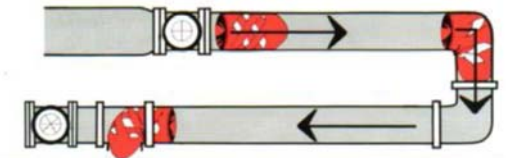


- Two way
- Multiport
- Tank bottom
- Valve clusters
- Sterile access
- Tee valves & U-bends



## PIGGING SYSTEMS

Pigging systems designed for food,  
beverage, cosmetics, pharmaceutical  
Single & dual pig systems available  
Single & multiple destinations



### Main advantages of pigging

- Recover product at end of run
- Reduce contaminated waste product
- Reduce Clean In Place (CIP) costs
- Allows quick change between products

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### RUBBER FAB HOSES



#### Custom Hose Assemblies

Platinum cured silicone  
PTFE & FEP line hose  
Smooth bore & convoluted  
Metal hose assemblies  
FDA hose (EPDM liner)  
PVC, clear, braided, vacuum  
Molded & crimped assemblies  
PTFE & polysulfone sight gauges  
PTFE heater sleeves  
Silicone fire sleeves  
Stainless steel armor casing  
Silicone protective covers

### KURIYAMA TUBING

Food grade flexible bulk tubing  
Tiger-Flex PVC suction hose

#### Smooth bore, convoluted OD

- Poultry, wine making, juices
- Liquid milk transfer
- Low temperature applications
- Dry services with ground wire
- Static dissipative

#### Also specify with your order

- Metal band clamps
- Fittings by hose barb
- Quick acting couplings

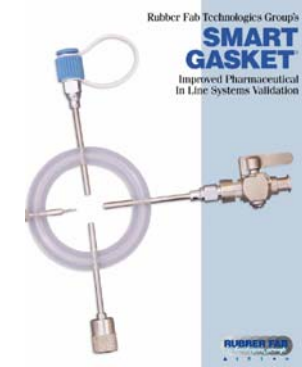
#### Specialty Products

- washdown bulk hoses
- food grade air duct hoses
- food grade blower hoses



### RUBBER FAB GASKETS

Standard sanitary gaskets:  
Buna N, EPDM, Silicone  
Vitron (FKM) Teflon



#### Specialty or Proprietary Gaskets

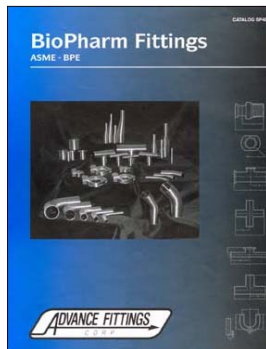
- Smart Gasket for validation
- Orifice plates & screen gaskets
- Metal detectable elastomers
- Tuf-Steel – ideal for steam
- Tuf-Flec bonded Teflon gasket
- Food Flexc bonded Teflon gasket
- Torgue-Rite/ control compression
- Sanitary diffuser gasket
- Laser engraved for traceability
- Biological indicator
- Gauge guard isolators
- V2B vent gasket
- View ports

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## SANITARY FITTINGS/VALVES

Complete line of 304 & 316 SS  
Standard & long tangent fittings  
Weld, tri-clamp, bevel seat  
I-line, Q-line, schedule 5  
Stainless steel sanitary tubing



### Valve Selection

- Diaphragm
- Butterfly
- Ball Valve
- Check



### Custom Fabrications

- Fittings
- Flow Panels
- Strainers
- Pump Carts
- Filters
- Jacketed tubing



## THERMOPLASTIC SYSTEM

Complete line of polypro & PVDF  
Rigid sanitary dimensional tubing  
Fittings, valves with TC ends



Diaphragms & ball valves  
Check Valves  
Custom spool pieces  
Standard & fabricated fittings  
PVDF true union clamps  
Unitized PVC hose assemblies  
PVC & Polysulfone sight gauges  
Custom manifolds, carts, vessels  
Carboy fabrication w/end caps

## SEVENEMA LIFT CARTS

Hygiene & ergonomic lift carts  
Sized for easy maneuverability



Customized features include:  
multiple functions (shake, tip)  
innovative gripping technology  
adaptable to handle different shapes

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## VMI MIXERS

Mixers designed for cosmetics, Pharmaceuticals and solutions  
Requiring both a scientific and sophisticated approach to mixing.

Turbo Test – bench top mixer with Eighteen attachments available.

Mobimix – stand alone mixer for Drums, totes & portable vessels.

Trimix TXR 50 – for the production Of fine emulsions under vacuum.

Trimix – stand alone units from 300L to 9000L including custom platforms for operator access and maintenance.



## TANKS

Custom made tanks for applications including ASME code vessels, CIP tanks, balance tanks, hoppers, mix & blend tanks, processing tanks and systems in stainless steel and special alloys like AL 6 XN sanitary tanks produced to meet 3A up to ASME BPE 200 standards. Please state finish requirements when requesting a quote. Portable & stationary stands available.



## RESEARCH LAB SUPPLIES

Single source for laboratory equipment, laboratory supplies, scientific instruments, safety supplies and more.

Manufacturers include:

Acculab Scales  
Corning Life Science  
D-Star Instruments  
Fairfield Digital  
GT Instruments  
Hausser Scientific  
International Cryogenics  
Jencons Scientific  
Koehler Instruments  
Lightnin  
Microflex  
Nalge Nune International  
GE Osmonics  
Swift Instruments  
Tygon/St. Gobain

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## FLOTRONIC PUMPS

Unique one-nut design for quick & easy maintenance. 14" diameter double-acting air operated, diaphragm pump available in 304 or 316 stainless steel and higher alloys including Hastelloy.

Supplied in either matt finish or electropolish. Designed for "quick strip" or CIP. Excellent pump choice for low-shear transfer of viscous and particulate laden solutions. Capable of handling solids up to 1" OD.



### Accessories Available

- Pulsation dampers
- Integral hot water jackets
- Pump counter system
- Rupture protection system
- Sentinel alarm system
- Air filter regulator
- Pump carts
- Dip tube package/drum pumps

## ON-SITE SERVICES

American Stainless has aligned themselves with premier suppliers of on-site services for high purity biopharm manufacturing and research lab facilities. Contact us directly concerning your next project.

### Services Available

- Electropolishing
- Passivation
- Sterilization
- Chemical cleaning
- Boiler treatment
- Custom blending
- Pipe pickling
- Water treatment



## CUSTOM FABRICATION

American Stainless & Supply provide custom fabrications for standard, long tangent and BPE component fittings up to and including complete biopharm skids. Types of projects would include:

- CIP Skids
- Valve Manifolds
- Flow Panels
- Process Vessels
- Day, Mixing, Blending Tanks
- Special design fittings
- Manifold Assemblies



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### SANITARY TUBING HANGERS

A variety of sanitary tubing hanger systems including:

304 SS hex hangers with unfilled polypro, PVC or high temperature hinged inserts, ½" thru 6"

304 SS hex hangers system with "Alcryn" or "Vitron" replaceable grommets offering two temperature ranges, ½" – 12"

Note: hex tubing hangers with installed half couplings are also available for both hinged insert and grommet style units



304 SS U-Bolt tubing hangers from ½" – 12" standard pipe sizes available ½" through 12"

Food Grade finish – tumbled smooth

304 SS wall flanges, wall plates, and related components.

304 SS (12 gauge) sanitary floor drains with perforated baskets & lift handles

304 SS (12 gauge) trench drain assemblies

### SVF CLEANFLOW

BPE-compliant ball valve  
Solid 316L SS Tube ID ball  
Interior standard finish of 20 Ra  
Electro-polish of 5 Ra available  
Purge posts available for CIP/SIP  
Hygienic designed PTFE seats  
Bottom entry machined stem  
encapsulated SS body bolts  
fully encapsulated body seals  
optional cavity fillers of PTFE-TFM  
pneumatic or electric actuators  
flush mounted tank pads available



### CHICAGO STAINLESS EQUIPMENT

(Oldest manufacturer of 3-A gauges)

Products for food & bio-pharm services

Sani-flow pressure gauges

Sani-flow digital thermometers

Sani-flow sanitary temperature sensors

Pharma-glow pressure gauges

Chem-flow sanitary pressure gauges

Sani-flow homogenizer pressure gauges

Bi-metal thermometers

Sani-flow sanitary thermowells

Insta-flow industrial pressure gauges

