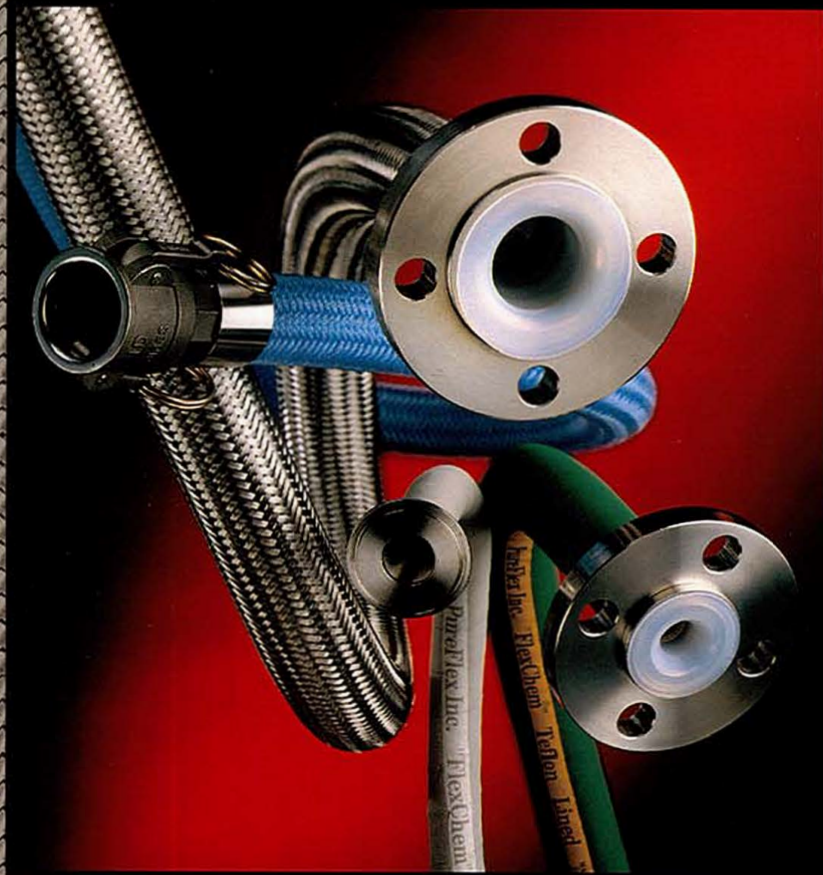


DEMAND PUREFLEX™ QUALITY



**ULTRA-PURE  
AND  
CHEMICAL RESISTANT  
HOSES & FITTINGS**

**PureFlex™**  
INC.



## VERTICALLY INTEGRATED

PureFlex manufactures more of its own product in one building than any other company in the industry. Using state of the art manufacturing techniques, PureFlex integrates design, hose and fitting manufacturing, assembly and testing - all under one roof - guaranteeing our customers' precise product components and enhanced quality controls. Add great customer service, the largest selection of hose choices and end connections, and it's easy to see why PureFlex leads the industry.

## HOSES

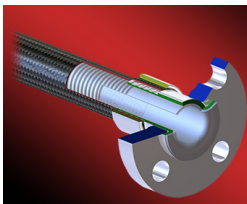
PureFlex hoses are engineered and manufactured for maximum flexibility and performance against the broadest range of chemicals, temperatures and pressure extremes.

For Sanitary and Ultra-Pure applications, PureFlex hoses and fittings meet and/or exceed Pharmacopoeia USP 23 Class VI, FDA 21CFR-177.2600, USDA and 3A criteria. PureFlex hoses do not age and withstand repeated flexing and continuous exposure to hostile environments. You won't find another hose and fitting manufacturer that matches PureFlex performance or capabilities.

### Nexus™

**Applications:** industrial grade, heavy duty, chemical resistant  
**Liner material:** PTFE  
**Covers:** stainless, polypropylene braid

**Size range:** 3/4" to 2"  
**Pressure rating:** full vacuum to 1100 PSI  
**Temperature range:** -65°F to 450°F



## RUBBER COVERED SMOOTH BORE, VIRGIN AND CONDUCTIVE LINERS



### FlexChem™

**Applications:** chemical and external abrasion resistant, sanitary  
**Liner material:** FEP & PTFE  
**Cover:** EPDM rubber  
**Size range:** 1/2" to 6"  
**Pressure rating:** full vacuum to 525 PSI  
**Temperature range:** -40°F to 350°F  
 See FLEX-998 brochure for more info.



## BRAIDED SMOOTH BORE, VIRGIN AND CONDUCTIVE LINERS



### SmoothFlex™

**Applications:** small bore for medium and high pressure  
**Liner material:** PTFE  
**Cover:** stainless braid  
**Size range:** 1/8" to 1-1/2"  
**Pressure rating:** full vacuum to 6000 PSI  
**Temperature range:** -65°F to 450°F  
 See SMFX-00 brochure for more info.

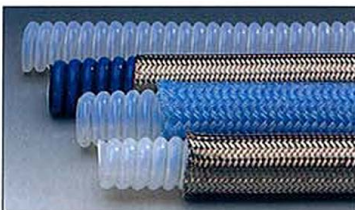


### MTH™

**Applications:** double contained, heavy duty, chemical resistant  
**Liner material:** PTFE  
**Cover:** stainless flexible metal  
**Size range:** 1" to 10"  
**Pressure rating:** full vacuum to 275 PSI  
**Temperature range:** -65°F to 450°F  
 Not Available With Conductive Liner  
 Available with CL300 Flanges  
 See MTH-00 brochure for more info.

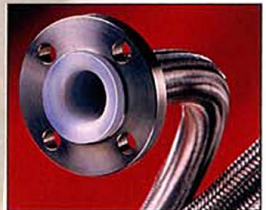


## BRAIDED CONVOLUTED, VIRGIN AND CONDUCTIVE LINERS



### UltraFlex™

**Applications:** ultra flexible, heavy duty, chemical resistant, sanitary  
**Liner material:** PTFE  
**Covers:** stainless, polypropylene braid, coverless  
**Size range:** 1/2" to 6"  
**Pressure rating:** full vacuum to 400 PSI  
**Temperature range:** -65°F to 450°F  
 See CONVO-00 brochure for more info.



### MultiFlex™

**Applications:** superior flexibility, higher pressures, chemical resistant, sanitary  
**Liner material:** PTFE  
**Covers:** stainless, polypropylene braid  
**Size range:** 1/2" to 2"  
**Pressure rating:** full vacuum to 1500 PSI  
**Temperature range:** -65°F to 450°F  
 See CONVO-00 brochure for more info.



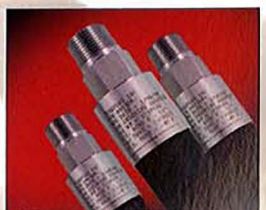
### ProFlex™

**Applications:** industrial grade, heavy duty, chemical resistant  
**Liner material:** PFA  
**Covers:** stainless, polypropylene braid  
**Size range:** 1/2" to 2"  
**Pressure rating:** full vacuum to 1500 PSI  
**Temperature range:** -65°F to 450°F  
 Available with conductive liner  
 See CONVO-00 brochure for more info.



### CL2™

**Applications:** chlorine/bromine transfer  
**Liner material:** PTFE  
**Covers:** Kynar® braid  
**Size range:** 1/2" to 2"  
**Pressure rating:** full vacuum to 500 PSI  
**Temperature range:** -40°F to 350°F  
 See CL2-1099 brochure for more info.



HOSES



PureFlex has designed and manufactured the most diverse fitting and collar selection in the industry.

**FITTINGS**

PureFlex fittings and collars are manufactured specifically for plastic-lined hoses. Applying aerospace-quality standards, they are designed for true-bore plastic hoses including smooth bore, convoluted and rubber-covered plastic lined.

All fitting styles may not be available for all hose types.

**FITTING MATERIALS**

A wide range of fitting materials include carbon steel, 304 S.S., 316 S.S., Monel®, Hastelloy®, solid Kynar® (PVDF), solid polypropylene or PFA encapsulated. Other materials available upon request.

To achieve maximum plastic hose performance, specify PureFlex PFA encapsulated fittings. Advantages include zero corrosion rates and lower lifecycle costs.



PureFlex PFA encapsulated fittings provide maximum chemical and vacuum resistance to 450°F.



PureFlex hoses with flare-thru design provide the ultimate in liner utilization maximizing corrosion resistance and cleanability.

**THREADED FITTINGS**

**CAM LOCK**



STYLE 03 Male Pipe (NPT) Hex



JIC/NPT Adapter



STYLE 07 Female CAM Lock 'D'



STYLE 17 Female CAM Lock 'D' Reducer



STYLE 06 Female Pipe (NPT)



STYLE 30 JIC Female Swivel



STYLE 27 Female CAM Lock 'D' (PFA Encapsulated)



STYLE 08 Male CAM Lock 'E'



STYLE 33 Male Union (NPT)



STYLE 36 Female Union (NPT)



STYLE 28 Male CAM Lock 'E' (PFA Encapsulated)



STYLE 20 Male Flange Adapter (PFA Encapsulated)



STYLE 37 Female Swivel NPSH



STYLE 21 Female Flange Adapter (PTFE Encapsulated)



STYLE 02 CAM Spool Adapter



STYLE 22 CAM Spool Adapter (PFA Encapsulated)

**COMPRESSION,  
SPLICE,  
BUTTWELD**

**SANITARY**

**FLANGES**



**STYLE 31** O-Ring Female Swivel 'O'



**STYLE 40** Sanitary (Tri-Clamp)



**STYLE 45** Bevel Seat Female



**STYLE 05** Flange Retainer



**STYLE 38** Compression Adapter



**STYLE 40F** Sanitary Flare Thru (FlexChem hose only)



**STYLE 46** Bevel Seat Male



**STYLE 25** Flange Retainer (PFA Encapsulated)



**STYLE 39** Compression Connector with Nut and Ferrule



**STYLE 40U** Sanitary Flare Thru (UltraFlex hose only)



**STYLE 48** I-Line Male



**STYLE 29** Flare Thru Flange (UltraFlex hose only)



**STYLE 18** Tube Buttweld



**STYLE 41** Sanitary Step-Up



**STYLE 49** I-Line Female



**STYLE 29F** Flare Thru Flange (FlexChem hose only)



**STYLE 19** Pipe Buttweld



**STYLE 42** Sanitary Mini



**STYLE 44** Sanitary X Male Cam



**STYLE 11** Splice

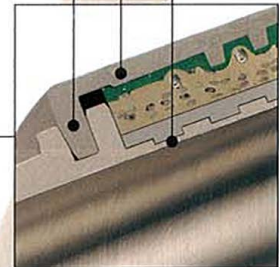


**"HIGH PERFORMANCE" AEROSPACE BARB DESIGN**

- Double-sided barb design locks fittings securely into hose.
- Fitting barb height and angles are tightly controlled to eliminate tearing and splitting of plastic hose during assembly, fabrication, and operation.
- Optimizes pressure and sealing capabilities.
- Eliminates: cold flowing of liner around fittings; hose shifting in both directions; fitting blow off.
- Smooth transition between fitting and hose eliminates product entrapment.
- Easy-to-assemble collar and fitting "dog lock" design.

**TRI-LOCK™ ULTIMATE BLOW OFF PREVENTION**

- 1 Dog lock
- 2 Barbed collar
- 3 Double sided barbs



FlexChem hose shown above.

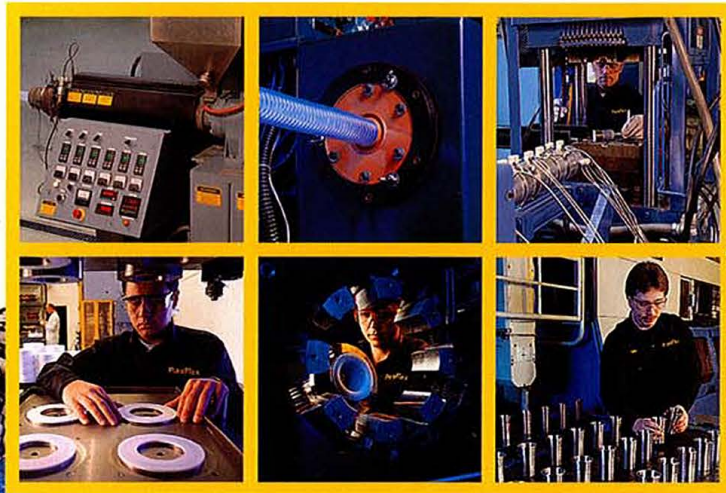
# THE WORLD'S LEADING FLUOROPLASTIC PROCESSOR

# PUREFLEX



## SERVICES

Engineering  
CAD/CAM Design  
Quality/Testing



## PROCESSES

PTFE, PFA, FEP, PVDF  
& POLYPRO

**HORIZONTAL & VERTICAL:**  
Paste & Melt Extruding  
Convoluting  
Injection Molding

**AUTOMATIC & MANUAL:**  
Compression Molding  
FRP Compression Molding  
Rotational Molding  
Skiving  
Thermal Forming

**CONTRACT:**  
Fluoroplastic Etching  
CNC Machining



## PRODUCTS

PTFE, PFA, FEP, PVDF  
& POLYPRO:  
Hose & Fittings  
PFA Encapsulated Fittings  
Tubing (1/2"-6")  
Pipe (1/2"-6")  
Diaphragms  
TASK-LINE® Gaskets  
PTFE Gaskets  
Riload® Bearings  
PTFE Bearings  
Seal Rings  
Custom Steel Lining  
Sight Gages  
PTFE Sheet  
PTFE Billets  
Valves  
FRP Valves

## MARKETS

Chemical Process  
Pharmaceutical  
Steel  
Food Processing  
Automotive  
Agriculture  
Pulp and Paper  
Petroleum  
Mining  
Railroad  
Dairy  
Textile  
Semiconductor

## APPLICATIONS

Acid Transfer  
Pickling  
Reverse Osmosis  
Steam Transfer  
Molding Equipment  
Adhesives  
Air Actuation  
Sanitary Transfer  
Purification Systems  
Centrifuges  
Extrusion Presses  
Caustic Wash  
High Purity

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**PureFlex™**  
**INC.**  
**ANDRONACO**  
**INDUSTRIES**