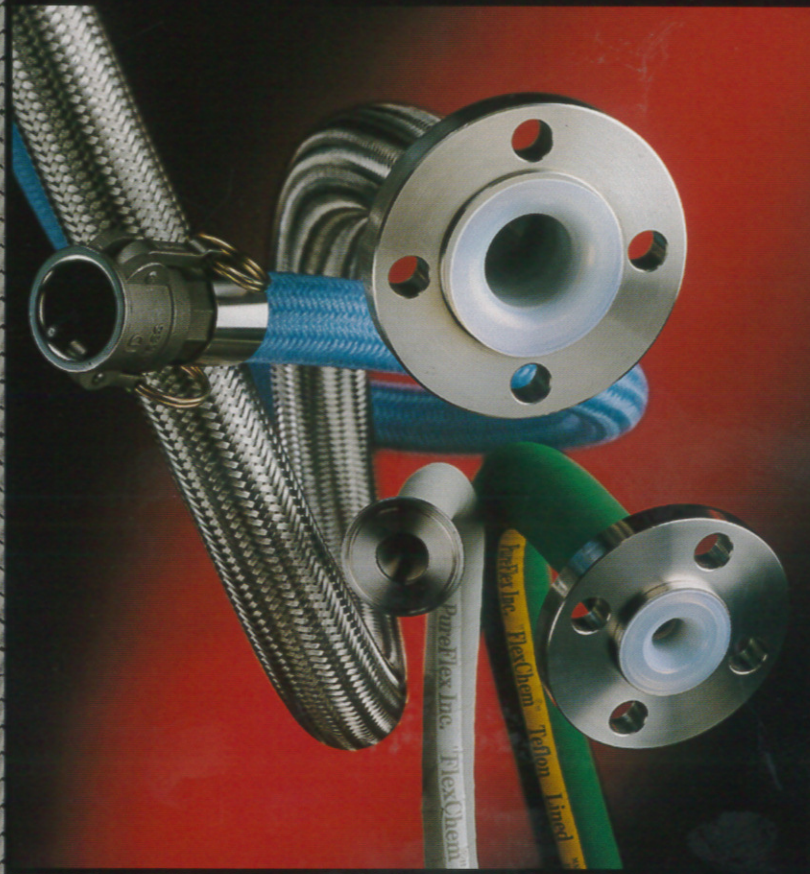


DEMAND PUREFLEX™ QUALITY



ULTRA-PURE AND CHEMICAL RESISTANT HOSES & FITTINGS

PureFlex™
INC.

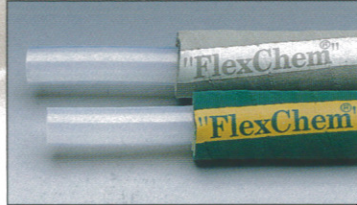
STEMMERICH, INC.
4728 GRAVOIS AVENUE
ST. LOUIS, MISSOURI 63116
800-325-9528
(314) 832-7726 • FAX (314) 832-7799
www.stemmerich.com



VERTICALLY INTEGRATED

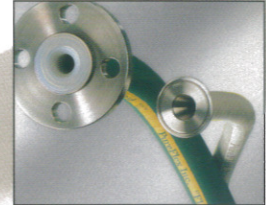
PureFlex manufactures more of its own product in one building than any other company in the industry. Using state of the art manufacturing techniques, PureFlex integrates design, hose and fitting manufacturing, assembly and testing - all under one roof - guaranteeing our customers' precise product components 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.

RUBBER COVERED SMOOTH BORE, VIRGIN AND CONDUCTIVE LINERS

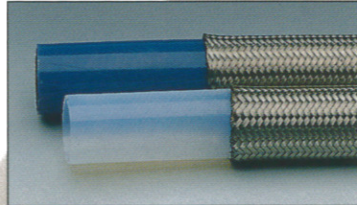


FlexChem™

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 5000 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 350°F
 See MTH-00 brochure for more info.

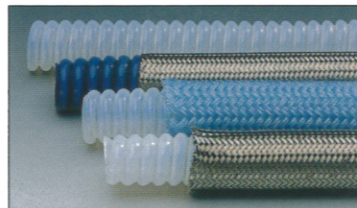


BRAIDED CONVOLUTED, VIRGIN AND CONDUCTIVE LINERS

HOSES

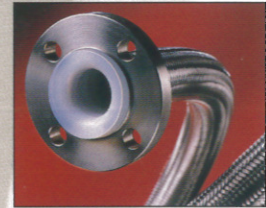
PureFlex hoses are engineered and manufactured for maximum flexibility and performance against the broadest range of chemicals, temperatures and pressure extremes.

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.



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.



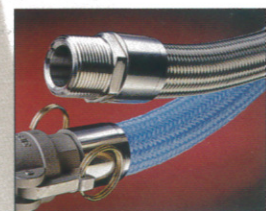
MultiFlex™

Applications: superior flexibility, higher pressures, chemical resistant, sanitary
Liner material: PTFE
Covers: stainless, polypropylene braid
Size range: 1/2" to 3"
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 6"
Pressure rating: full vacuum to 1500 PSI
Temperature range: -65°F to 450°F
 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.

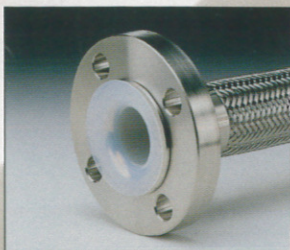
FITTING MATERIALS

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



STYLE 03 Male Pipe (NPT) Hex



STYLE 04 Male Pipe (NPT)



STYLE 06 Female Pipe (NPT)



STYLE 30 JIC Female Swivel



STYLE 33 Male Union (NPT)



STYLE 36 Female Union (NPT)



STYLE 37 Female Swivel NPSH



JIC/NPT Adapter with Teflon Seal

CAM LOCK



STYLE 07 Female CAM Lock 'D'



STYLE 17 Female CAM Lock 'D' Reducer



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



STYLE 08 Male CAM Lock 'E'



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



STYLE 20 Male Flange Adapter (PFA Encapsulated)



STYLE 21 Female Flange Adapter (PTFE Encapsulated)



STYLE 02 CAM Spool Adapter



STYLE 22 CAM Spool Adapter (PFA Encapsulated)

**COMPRESSION,
SPLICE,
BUTTWELD**

SANITARY

FLANGES



**"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.



STYLE 31 O-Ring Female Swivel 'D'



STYLE 40 Sanitary (Tri-Clamp)



STYLE 45 Bevel Seat Female



STYLE 05 Flange Retainer
STYLE 15 P Series 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



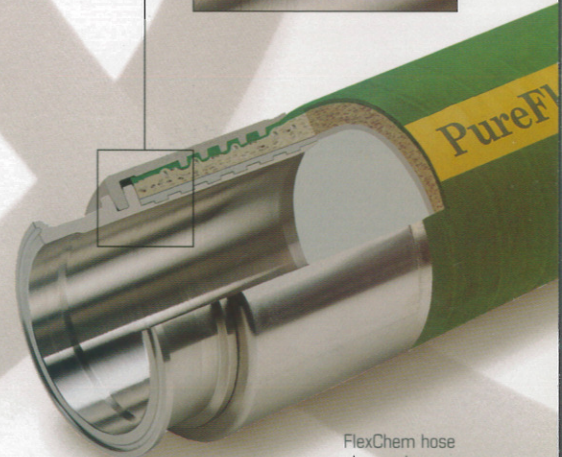
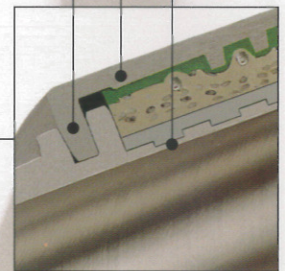
STYLE 44 Sanitary X Male Cam



STYLE 11 Splice

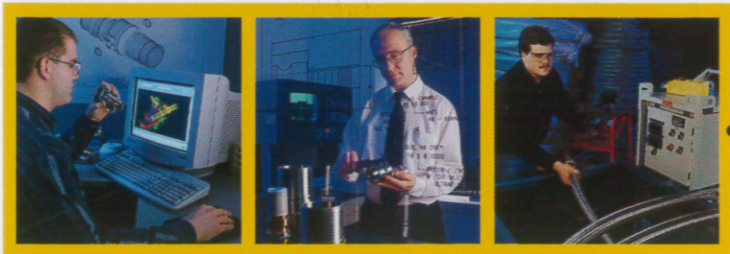
**TRI-LOC™ ULTIMATE
BLOW OFF PREVENTION**

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



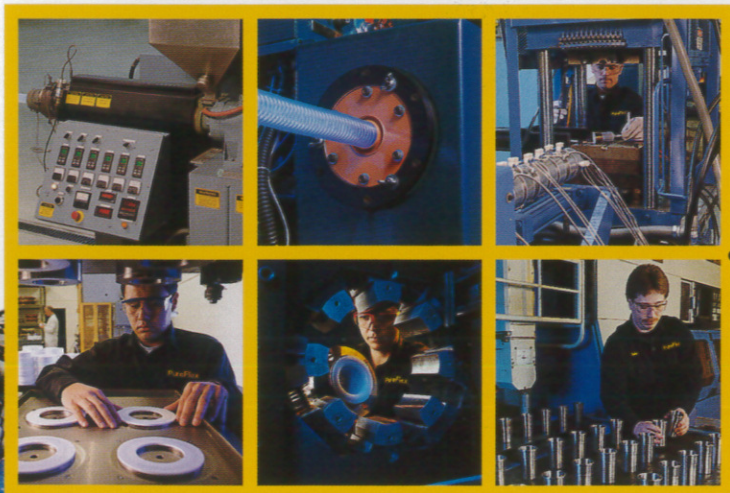
FlexChem hose shown above.

THE WORLD'S LEADING FLUOROPLASTIC PROCESSOR



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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