DEMAND PUREFLEX QUALITY

FLEXCHEM®
RUBBER COVERED, FEP & PTFE LINED TRANSFER HOSES

PureFlex®
AN ANDRONACO INDUSTRIES COMPANY
PUREFLEX INNOVATION
No other company in the industry rivals PureFlex’s product integration. Using the most advanced manufacturing techniques, PureFlex integrates design, hose and fitting manufacturing, testing and assembly—all under one roof. Add the largest selection of end fittings and it’s easy to see why PureFlex is the company of choice for those with demanding transfer processes.

FLEXCHEM HOSE
FlexChem is one of the industry’s most versatile, rubber covered FEP-lined transfer hoses. It is designed for full flow applications that require maximum flexibility, minimum weight high purity. This smooth bore FEP hose with its EPDM rubber cover is easy to handle and resists abrasion and chemical attack while it facilitates easy cleanability. The smooth, rubber cover makes it easy for operators to safely grip and handle the hose.

FlexChem hose incorporates a FEP, smooth bore design which gives it superior flexibility. Through a proprietary process, the FEP liner is bonded, covered and reinforced with multi-layered rubber, spiral-wound polyester cords and a double helix wire which gives it superior flexibility. Grounding is possible via its internal wires.

This wire helix “back bone” also supports full vacuum service. FlexChem series hose is available in white FEP or a PTFE conductive black liner where electrostatic dissipation is required. To ensure continuous fluid contact with FEP throughout the hose assembly, the FEP liner can be factory flared through: flanges; sanitary fittings; male and female cams.

FLEXCHEM ADVANTAGES
• Corrosion Resistant.
  FEP & PTFE are fully resistant to the broadest range of industrial chemicals and have a zero corrosion rate and lower life cycle cost.

• Cleanable.
  Non-stick, low porosity tube does not trap bacteria and can be cleaned with steam, detergents, caustics or solvents.

• Sanitary.
  FDA-approved materials meet or exceed 3A requirements.

• Compatible.
  Will not contaminate or impart a taste, color or odor to any media.

• Flexible.
  The most flexible rubber covered hose in the industry. Does not fatigue or stress corrode like metal hose.

• Durable.
  Designed for extended use in hostile environments involving severe chemical, thermal, and mechanical stresses. Does not suffer aging or embrittlement, even with extreme thermal cycling.

SPECIFICATIONS

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HOSE END CONNECTIONS
Over 40 standard fitting styles are manufactured including: flanged, sanitary, JIC, NPT and Cam Lock. All fittings feature PureFlex’s exclusive high performance barb design (see page 5).

SURFACE FINISHES
Ultra smooth internal surface finishes meet or exceed Pharmacopoeia Class VI, FDA, USDA and 3A standards.

FLARE-THRU
The thick, FEP tube can be passed through the end fitting and flared radially outward against the sealing face of the following fittings:

- 7 Sanitary
- 8 Flanged
- 9 Female Cam, and Male Cam (not picture.)
Fittings and Materials

PureFlex fittings and collars are manufactured specifically for plastic lined hoses. Applying the highest quality standards, they are designed for compatibility with most manufacturers' true-bore plastic hoses including smooth bore, concoluted, cuffed and rubber-covered plastic lined.

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

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), or solid polypropylene. Other materials available upon request.

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

"HIGH PERFORMANCE" FITTING BARB DESIGN

- Double-sided, patent pending 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 the 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-LOC™ ULTIMATE BLOW OFF PREVENTION**

1. Dog Lock
2. Barbed Collar
3. Double Sided Barbs

FlexChem hose shown above.
**PUREFLEX® INC. HOSE ASSEMBLY NUMBERING SYSTEM**

Steps to order a 1” FlexChem Assembly with a length of 12”, 316 S.S. Male NPT one end, 316 S.S. JIC other end. No options.

Sample part number: 16G036309001200

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**Step 1**
Determine Size
- 16 = 1”
- 08 = 1/2”
- 12 = 3/4”
- 16 = 1”
- 20 = 1-1/4”
- 24 = 1-1/2”
- 32 = 2”
- 48 = 3”
- 64 = 4”
- 96 = 6”

**Step 2**
Determine hose product code: G

- FlexChem Color Code
  - G = Green (standard)
  - Y = Gray
  - W = Yellow
  - B = Black
  - L = Blue
  - A = Purple

Other colors available upon request.

**Step 3**
Determine Fitting Style of 1st End:
- 03 = Male NPT

**Step 4**
Determine Fitting Material: 6 = 316 S.S.
- 4 = 304 S.S.
- 6 = 316 S.S.
- C = Carbon Steel
- T = TFE encapsulated
- H = Hastelloy
- M = Monel
- A = Alloy 20
- K = Kynar
- P = Polypropylene

**Step 5**
Determine Fitting Style of 2nd End:
- 30 = JIC

**Step 6**
Determine Overall Length of SmoothFlex hose in inches:
- 0120 = 12”

**Step 7**
Determine Flange Material: 0 = None
- 0 = None
- D = Ductile iron
- C = Carbon steel
- 4 = 304 S.S.
- 6 = 316 S.S.
- K = Kynar
- P = Polypropylene

**Step 8**
Determine Fitting Material: 6 = 316 S.S.
- 4 = 304 S.S.
- 6 = 316 S.S.
- C = Carbon Steel
- T = TFE encapsulated
- H = Hastelloy
- M = Monel
- A = Alloy 20
- K = Kynar
- P = Polypropylene

**Step 9**
Determine Options:
- 0 = None
- B = Conductive
- Z = 300# Flg
- S = Spring guard
- A = Armor guard
- F = Firesleeve
- P = Polyolefin
- T = TFE shrink
- H = Hypalon
- N = Nylon scuff guard
Silicone
Ultra-Pure
Validated
Platinum cured
Silicone hose &
tubing.

PVC
Crystal clear
FDA approved
hose and
 tubing.

Heated
Hoses
Electrically
heat any
PureFlex hose
up to 450 °F.

BlueLine
Flexible
couplings,
expansion
joints and
bellows.

UltraFlex™
Ultra flexible
heavy duty con-
voluted hose.

MultiFlex™
Superior
flexibility for
higher pressure
applications.

MTH™
(Metal PTFE Lined
hose) Ultra flexible
heavy duty con-
voluted hose.

FlexChem®
Rubber
covered smooth
bore FEP lined
hose.

ProFlex™
Industrial
grade, high
quality low
priced
convoluted PFA
hose.

PureSite™
Unbreakable
translucent FEP
sight gages.

TASK-LINE®
Gaskets
PTFE gaskets
with encapsu-
lated stainless
steel insert.

TASK-LINE®
Grounding
Paddles
Pipe static
dissipating
paddles.

THE MOST ADVANCED
FLUOROPOLYMER HOSE
SYSTEM AVAILABLE
MARKETS
Chemical Process
Pharmaceutical
Steel
Food Processing
Automotive
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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