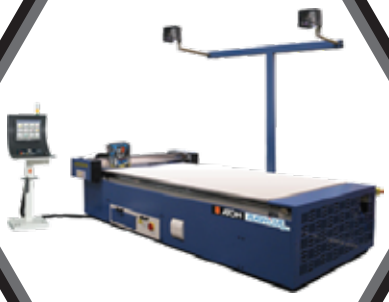
ROTATING EQUIPMENT DIVISION

SEALING DIVISION

SERVICE DIVISION

CORROSIVE FLUID HANDLING DIVISION



MANUFACTURING DIVISION

SEALING DIVISION

ROTATING EQUIPMENT DIVISION

CORROSIVE FLUID HANDLING DIVISION

MANUFACTURING DIVISION

SERVICE DIVISION

HOFFMAN-KANE Distributors, Inc

www.HOFFMAN-KANE.com

BALL VALVES

310 Series Ball Valve:
Mixture of high strength, specially formulated, compression molded glass fiber and vinly ester thermoset resin.
1”-10” / -50°F to +250°F
Pressures to 275 psig

Nil-Cor® an ANDRONACO INDUSTRIES company

300 Series Ball Valve:
Graphite fiber and Vinyl Ester Resin provide high strength and chemical inertness. Compression molded.
1”-10” / -50°F to +250°F
Pressures to 275 psig

Nil-Cor® an ANDRONACO INDUSTRIES company

410 Series Ball Valve:
Polysulfone Resin / “Glass Fiber” reinforced disigned for caustic and sodium hypochlorite solutions. FDA approved.
1”-4” / -50°F to +250°F
Pressures to 275 psig

Nil-Cor® an ANDRONACO INDUSTRIES company

410 Series Ball Valve Threaded:
Polysulfone Resin / “Glass Fiber” reinforced disigned for caustic and sodium hypochlorite solutions. FDA approved.
1/2”-2” / -50°F to +250°F
Pressures to 275 psig

Nil-Cor® an ANDRONACO INDUSTRIES company

8” Wafer Ball Valve:
Vinyl Ester or Epoxy / “Glass or Graphite Reinforced.
Available in 300 Series Vinyl Ester or 510XP & 610XP Epoxy.
-50°F to +300°F
Pressures to 150 psig

Nil-Cor® an ANDRONACO INDUSTRIES company

610XP Ball Valve:
Novolac Epoxy / “Glass Fiber” reinforced. Compression molded novolac epoxy resin optimizes both chemical resistance and mechanical capabilities.
1”-10” / -50°F to +300°F
Pressures to 275 psig

Nil-Cor® an ANDRONACO INDUSTRIES company

500XP Ball Valve:
Novolac Epoxy / “Graphite Fiber” reinforced. Compression molded novolac epoxy resin optimizes both chemical resistance and grounding capabilities.
1”-10” / -50°F to +300°F
Pressures to 275 psig

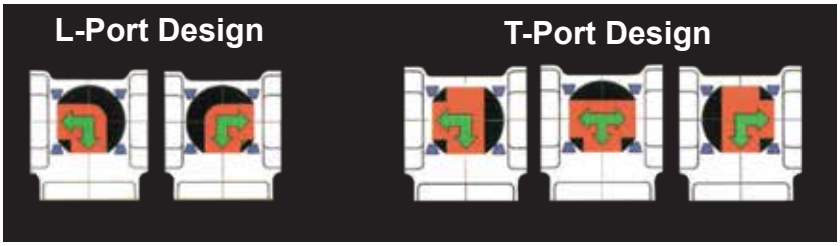
Nil-Cor® an ANDRONACO INDUSTRIES company

300 Zirconia Ceramic or UHMWPE Lined Ball Valve:
Zirconia ceramic and graphite fiber reinforced vinyl ester to provide abrasion and chemical resistance. UHMWPE lined w/ ceramic ball has excellen erosion resistance.
1”-10”
Ceramic: -50°F - 300°F
UHMWPE: -50°F - 180°F
Pressures to 200 psig

Nil-Cor® an ANDRONACO INDUSTRIES company

3-Way Ball Valve
Vinyl Ester and Graphite Reinforced. Two ball configurations, T-port and L-port, permit a variety of flow schemes.
1-1/2”
-50°F to +250°F
Pressures to 150 psig

Nil-Cor® an ANDRONACO INDUSTRIES company



ChemTite® Ball Valve:
Bubble-Tight design. Heavy duty PFA liner resists cracking. Dovetail locking grooves for PFA retention. 1” to 6” (standard and full port designs. Full vacuum to 250 psi. Temperatures from (-)20°F to (+)400°F. Lockable handle and static ground spring.

Poly-Gas® Ball Valve:
1/2” - 12”
Rugged and reliable Polyvalve Poly-Chem® valves are the strongest part of a polyethylene piping system
Drop-tight shutoff from dual elastomeric seats. Fused body shell removes leak paths to the atmosphere. Multiple elastomeric stem seals. No metal internal parts. Corrosion-free due to high-grade polymeric materials. Smooth bore gives excellent flow characteristics in both full and standard port designs. Suitable for buried service or above ground service. Wide variety of trim for your specific application. Flanged end configuration available (butt fusion end configuration is standard).

BUTTERFLY VALVES

Chemtite® Butterfly Valve: 2” - 24”
PFA/PTFE Lined for Severe Duty
Bubble-Tight Design
Heavy Duty PTFE/PFA Liner Resists Cracking
Two Seat Options: PTTE or UHMWPE
Pressure Rating: Full Vacuum to 150psi
Operating Temperature: (-)20°F to (+)400°F
One Piece Disc & Stem
Mounting Flange is ISO 5211 Compliant

710 Series PTFE-Lined Butterfly Valve:
Mixture of high strength, specially formulated, compression molded glass fiber and vinly ester thermoset resin body.
Disc: PFA-Lined, 316ss, Gr.C-2 Titanium
Seat: PTFE/Silicone or PTFE/Viton
Flange Connections: Wafer or Lug
2”-12” / -50°F to +275°F

Poly-Gas® Ball Valve:
1/2” - 12”
Rugged and reliable Polyvalve Poly-Gas® valves are the strongest part of a Polyethylene piping system.
No metal internal parts.
Bubble-tight shutoff from dual elastomeric seats.
Fused body shell eliminates leak paths to atmosphere.
High-grade polymeric materials eliminate corrosion.
Multiple elastomeric stem seals.
Smooth bore gives excellent flow characteristics in both full and standard port designs.

Poly-Water® Ball Valve: 1/2” - 12”
Rugged and reliable Polyvalve Poly-Water® valves are the strongest part of a polyethylene piping system. Drop-tight shutoff from dual elastomeric seats. Fused body shell removes leak paths to atmosphere. Multiple elastomeric stem seals. No metal internal parts. High-grade polymeric materials eliminate corrosion. Smooth full bore gives excellent flow characteristics in both full and standard port designs. Poly-Water valves are NSF certified for use in potable water systems.

700 Series Elastomer-Lined Butterfly Valve:
Mixture of high strength, specially formulated, compression molded glass fiber and vinly ester thermoset resin body.
Disc: EPDM/DCI, Hypalon/DCI, GR.C-2 Titanium, 316ss
Seat: EPDM, Hypalon
Flange Connections: Wafer or Lug
2”-12” / -50°F to +250°F

710 Series UHMWPE-Lined Butterfly Valve:
Mixture of high strength, specially formulated, compression molded glass fiber and vinly ester thermoset resin body.
Disc: UHMWPE-Lined, CD4M Cu.
Seat: UHMWPE/Silicone Energizer
Flange Connections: Wafer or Lug
2”-12” / -50°F to +200°F

300HD Double-Offset High-Performance Butterfly Valve:
Graphite Reinforced Vinyl Ester

310HD Double-Offset High-Performance Butterfly Valve:
Fiberglass Reinforced Vinyl Ester
Flange Connections: Wafer or Lug
3”-12” / 0°F to +250°F

310HD Double-Offset Heavy Duty Butterfly Valve:
Glass Reinforced Vinyl Ester
Flange Connections: Wafer or Lug
14” - 48” / -50° to +250°F

Control Valves

Composite Mounting Bracket

Characterized Trim

- Linear
- Equal Percentage
- Custom

Certified to ISO 9001

TSSA Certified

Type Approved Certified

PED Directive Certified

Nil-Cor® LLC

an ANDRONACO INDUSTRIES company

Full range of ball and butterfly automated on/off valves and control valves. Standard actuators include rack & pinion and vane-type pneumatic actuators and electric units. Hoffman-Kane can supply any actuator brand and model as required to suit the application and customer preferences.

Composite Mounting Bracket

BALL CHECK VALVE

Chemtite® Ball Check Valve: 1" - 6"

Heavy Duty PFA Liner Resists Cracking
Dovetail Locking Grooves for PFA Retention
UV Resistant Epoxy Coating
Eliminates & Prevents Back-Flow
Pump Impeller Rotation in Opposite Direction
Siphoning of Pumps
Pressure Rating: Full Vacuum to 250psi
Operating Temperature: (-)20°F to (+)400°F

Ball Check Valve: 1"-6"

Available in:
300 Graphite/Vinyl Ester;
310 Glass/Vinyl Ester;
410 Glass/polysulfone;
500XP Graphite/Epoxy;
610XP Glass/Epoxy
Ball Materials: PTFE, Polypropylene
Seat Materials: FKM Fluoroelastomer
Flange Connections: 150# ANSI

PLUG VALVE

Chemtite® Plug Valve: 1" - 8"
TFM Lined for Severe Duty
Bubble-Tight Design
*One-Piece Heavy-Duty TFM Liner
One-Piece A395 DCi Body
PFA/DCI Plug
In-Line Adjustability
ASME B16.10 w/ ISO 5211 Mounting Pad
& Flange Mounting Pad
Lockable Handle and Static Ground Spring (standard)
Pressure Rating: Full Vacuum to 250psi
Operating Temperature: (-)20°F to (+)400°F

Chemtite® 45° Ball Check Valve:
1"-6"

Bubble-Tight Design
Heavy Duty PFA Liner Resists Cracking
Pressure Rating: Full Vacuum to 250 psi (17.23 bar). UV Resistant Epoxy Coating
Eliminates & Prevents. Back-Flow of liquids in Pipelines. Pump Impeller Rotation in Opposite Direction. Siphoning of Pumps Allows for both Horizontal and Vertical Installation. Operating Temperature: (-)20°F to (+)400°F
Mounting Flange is ISO 5211 Compliant

SWING CHECK VALVE

Wafer Swing Check Valve:
Available in:
300 Graphite/Vinyl Ester; 310 Glass/Vinyl Ester;
500XP Graphite/Epoxy; 610XP Glass/Epoxy
Flapper Materials: 300 Graphite/Vinyl Ester;
310 Glass/Vinyl Ester;
500XP Graphite/Epoxy; 610XP Glass/Epoxy
Seat Materials: FKM Fluoroelastomer
Flange Connections: 150# ANSI
3"-12"

Designed, Engineered, Fluoropolymer Lined and Assembled in the USA!

ChemTite®

TFM Lined for Severe Duty PLUG VALVES

Bubble-Tight
GUARANTEED!

FEATURES

- **Bubble-Tight Design**
- ***One-Piece Heavy-Duty TFM Liner**
- **PFA / DCI Plug**
- **PFA Reverse Lip Diaphragm**
- **In-Line Adjustability**
- **One-Piece A395 DCI Body**
- **ASME B16.10 with ISO 5211 Mounting Pad and Flange Mounting Pad**
- **Lockable Handle and Static Ground Spring (standard)**
- **Size Range: 1" to 8"**
- **Pressure Rating: Full Vacuum to 250 psi (17.23 bar)**
- **Operating Temperature: (-)20°F to (+)400°F**
- **Resistant To:**
  - All acids
  - All solvents
  - All bleach solutions
  - All phenols
  - All caustics
  - All peroxides
  - All organic and inorganic chlorides & sulfates

Independent Studies have Proven TFM Permeates less than PFA Liners

THE ORIGINAL IN THE USA

Since 1931, Hills-McCanna® has earned a reputation for innovative products that serve demanding applications better than before. Today, the Hills-McCanna® legacy continues with the ChemTite® series. ChemTite® products are built with American quality for peace of mind and dependability in tough chemical applications.

CERTIFIED HILLS-McCANNA ISO 9001:2015 COMPANY

Hills-McCanna®
an ANDRONACO INDUSTRIES company

HOSES AND FITTINGS

PureFlex® an ANDRONACO INDUSTRIES company http://www.pureflex.com/

UltraFlex™ Ultra flexible heavy duty convoluted hose.

FlexChem® Rubber covered smooth bore FEP lined hose.

MultiFlex™ Superior flexibility for higher pressure applications.

MTH™ (Metal PTFE Lined Hose) Ultra flexible heavy duty convoluted hose.

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

FlexChem®, SmoothFlex™, MTH™, Nexus™, UltraFlex™, MultiFlex™, ProFlex™, CL2™, Wire Reinforced Silicone, Heated Hose, FlexSan™, Braided PVC, PVC Smooth Cover, PVC Corrugated Cover, Wire Reinforced PVC

SIGHT GLASS & FLOW INDICATORS

Hills-McCanna an ANDRONACO INDUSTRIES company

ChemTite® Bull's Eye Sight Flow Indicator: 1" - 6"
Ductile housing and PFA lined for severe duty. Dovetail locking grooves for PFA retention. Pressure rating: 250 psi. Operating temperature (-)20°F to (+)400°F.

ChemTite® 360° Sight Flow Indicators: 1" - 12" up to 60" long
Ductile housing and PFA lined for severe duty. Dovetail locking grooves for PFA retention. Pressure tested: 225 psig hydrostatic. Operating temperature (-)20°F to (+)350°F.

Hills-McCanna an ANDRONACO INDUSTRIES company

PureFlex® an ANDRONACO INDUSTRIES company http://www.pureflex.com/

PureSite™:
FEP sight gauges and flow monitors specifically designed for safe visual inspection. Virually unbreakable. From -100°F to +300°F and full resistant to the broadest range of corrosive chemicals.

ETHYLENE™ an ANDRONACO INDUSTRIES company

FLO-VU® 360L Sight Glass:
1" - 12"
Featuring a full 360° unobstructed view with the high temperature and near-universal corrosion resistance of PTFE.
Flo-Vu®/ Double-Sure®/ Pure-Vu®/ Sight-Float®

Task-Line® Gaskets / Grounding Paddles / Line Blockers

TaskLine® - gaskets are molded to size, 1/2" through 24" in class 150# and 300# ANSI ratings with a thickness of 1/8" or 3/32".

Task-Line® - lined pipe grounding paddles are molded to size, 1" through 6" (other sizes available upon request) in class 150# ANSI ratings with a thickiness of 1/8".

Task-Line® - pipepline fluid blockers (line blockers) are molded to size, 1" though 6" (other sizes available upon request) in class 150# ANSI dimensions with a nominal thickness of 1/8". Installation and removal are a snap with its inegral molded paddle handle.

PIPE & FITTINGS

PureFlex®
an ANDRONACO INDUSTRIES company
http://www.pureflex.com/

Durcor®'s thick wall PTFE liner provides unmatched internal chemical resistance while its revolutionary vinyl ester / fiberglass housing provides outstanding exterior corrosion protection, high impact resistance and excellent span and burst capabilities. The construction of Durcor® offers the ultimate in physical properties and corrosion resistance and carries the industry's first (5) year "Bumper-To-Bumper" warranty against environmental corrosion.

ZERO CORROSION RATE
Size range 1" to 8"
Full vacuum rated
Pressures to 275 psi
Temperature ratings Uninsulated (-)40°F to (+)300°F
Superior strength to weight ratio
¼ the weight of Steel
Lower freight cost
Lower installed cost
Faster to install
Safer to install
No exterior priming or painting required

DURCOR®
http://www.durcor.com/

Pipe Spool

Min. Spool

Reducing Tee

Equal Tee

45° Lateral Tee

Instrument Tee

45° & 90° Elbow

Lap Joint Flange

Flanges: Fixed & Rotating

Flange Reducer

Flange Blind

Reducers:
Eccentric & Concentric

ETHYLENE™ an ANDRONACO INDUSTRIES company

ChemTite®- Lined Pipe and Fittings

Pipe: CARBON STEEL: ASTM A53 Gr. B Seamless or ASTM A106
STAINLESS STEEL: ASTM A312
- 1" - 8" : Schedule 40/40S
- 10" : Schedule 30
- 12" : Schedule 20

Fittings: Fabricated Carbon Steel: ASTM A53, ASTM 513, ASTM A516 or ASTM A234 per ASME B16.9
Cast fittings: ASTM A395 Cast Ductile Iron or ASTM A216 Gr. WCB Cast Steel
Fabricated Stainless Steel: ASTM A312, ASTM A240 or ASTM A403 Gr. WPS per ASME B16.9

Flanges: ROTATING LAP JOINT OR FIXED SLIP-ON:
- ASTM A105 Forged Carbon Steel per ASME B16.5,
- ASTM A182 Forged Stainless Steel per ASME B16.5

FIXED THREADED
- ASTM A395 Cast Ductile Iron per ASME B16.42
- ASTM A182 Forged Stainless Steel per ASME B16.5

Testing: All qualifications per ASTM F1545 are conducted on representative samples including:
- Steam-cold water cycle product qualification testing
- High temperature product qualification testing
- Low temperature product qualification testing
- Vacuum product qualification testing
- All products are spark tested at 15 kV or hydrostatically tested at 1.5X design pressure prior to shipment

Durcor®

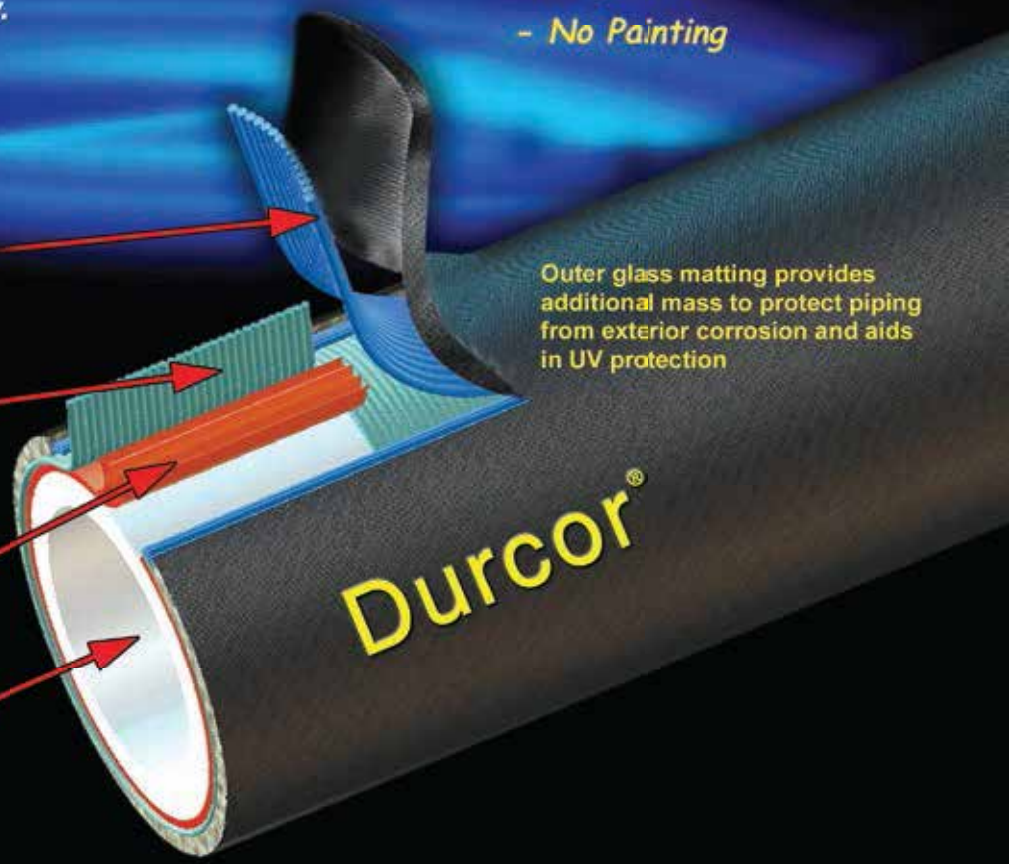
Advanced Composite PTFE Lined Piping System

Like no other

Durcor® is the worlds first advanced structural composite piping system lined with seamless PTFE. Its thick wall PTFE liner provides maximum internal chemical resistance while Durcor's vinyl ester resin backbone eliminates the devastating effects of environmental corrosion externally.

- Size range 1" to 8"
- Full Vacuum Rated
- Pressures to 150psi
- Temperature Ratings (-)40°F to (+)300°F

- Zero Corrosion Rate
- Superior Strength to Weight Ratio
- 1/4 the weight
- Lower Freight Cost
- Lower Installed Cost
- Faster to Install
- Safer to Install
- No Painting



Bundles of axial glass roving in linear direction provide exceptional stiffness and near-zero thermal expansion

Continuous bundles of reinforcing glass roving is wrapped radially over inner veil to provide outstanding hoop strength for 4:1 pressure safety factor

Multiple inner layers of resin-rich veil provide superb corrosion barrier to reinforcing roving bundles

PTFE liner thickness exceeds the requirements of ASTM F1545 and is full vacuum rated in all sizes to +300°F

Outer glass matting provides additional mass to protect piping from exterior corrosion and aids in UV protection

LIMITED 5 YEAR WARRANTY
Bumper-To-Bumper

PureFlex® Inc.
an ANDRONACO INDUSTRIES company

4855 Broadmoor Ave.
Kentwood, MI. 49512 USA
Ph:616.554-1100 Fax:616.554-3633
www.pureflex.com

Conley Composites®

http://www.conleyfrp.com/

Endurance™ 50 & 100 - Continuous Cast Pipe (Vinyl Ester FRP) 1”-8”
Conley Composites® has developed break-through proprietary technology in the manufacture of vinyl ester fiberglass reinforced thermoset we call “Continous Cast Pipe” that produces a machine-made resin rich pipe to exact inside and outside diameter dimensions continuously. The process not only results in an extremely consistent product but also allows for pipe lengths up to 50ft.

Filament Wound Pipe
Conley Composites® Single Wall Piping.
All of our filament wound products are aromatic amine cured, and oven post-cured for superior chemical resistance and HDT (maximum temperature) performance.
Single Wall
Series 30-60 Epoxy FRP / Series 40-60 Epoxy FRP / Series 50-100 Epoxy FRP
Series 30-60 Vinyl Ester FRP / Series 40-60 Vinyl Ester FRP / Series 50-100 Vinyl Ester FRP
Series 40-60 Novolac 470 Vinyl Ester FRP / Series 50-100 Novolac 470 Vinyl Ester FRP
Series 40-60 Furan FRP / Series 40-60 Conductive Furan FRP

Epoxy Fiberglass Pipe (GRE Pipe) - Conley Aromatic amine cured epoxy resin systems perform best in caustics, brines, solvents and many acids up to an operating temperature of 275°F (Conductive system available). E-plus, Conley’s proprietary premium epoxy has outstanding chemical resistance 98% sulfuric acid and aggressive solvents such as acetone, chloroform and methylene chloride up to an operating temperature of 275°F.

Vinyl Ester Fiberglass Pipe (GRVE Pipe) - Conley 441-400 vinyl ester performs best in acids, alkali, and brines with improved performance in solvents up to 245°F. Conley’s 470 Novolac resin has excellent resistance to acidic and oxidizing agents such as aquenous chlorine and chlorine dioxide up to 290°F. Conductive systems available in both resins.

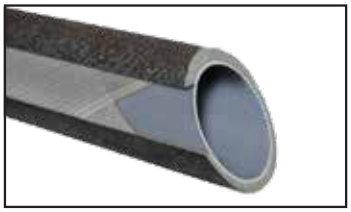
Novolac™ Vinyl Ester Fiberglass Pipe - Conley’s 470 Novolac resin has excellent resistance to acidic and oxidizing agents such as aqueous chlorine and chlorine dioxide up to 290°F. Conductive systems available.

Interior Corrosion Barrier - Coley Ultra Heavy-Duty Gorrilla™ fittings are manufactured for extreme chemical services. Gorilla fittings have a double synthetic veil reinforced resin rich, 60 or 100 mil. minimum corrosion barrier that is 90% permium epoxy or vinyl ester resin and 10% reinforcement for increased impact resistance.

Structural Reinfored Cage- For maximum axial & hoop strength, the reinforced resin rich interior corrosion barrier is over-wrapped with alternating layers of glass cloth and then filament wound with continuous E-glass, both being saturated with aromatic amine cured epoxy resin for high heat distortion temperature (HDT) performance.

Exterior Corrosion Barrier and Post Cure- Gorilla fittings and then encapsulated with a Nexus exterior corrosion barrier that also provides outstanding UV protection against fiber-blooming. The final step is oven post-curing for optimum resin performance.

Single Wall



Double Wall

Fiberglass / GRE

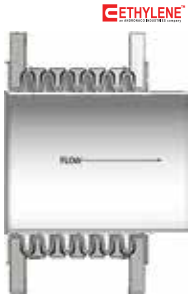
Fiberglass / GRVE

Novolac™ Fiberglass

EXPANSION JOINTS

Flexijoint® - PTFE Expansion Joint / 1”-2 convolutions to 42”-12 convolutions
Ethylene’s Flexijoint® expansion bellows have a proven record worldwide of handling the CPI’s most corrosive pipe stress problems. They are formed from isostatically molded, FDA approved, virgin PTFE resin to guarantee product purity and uniform thickness.

Universal	LimitBolt	Hinged	AntiSquirm™	Gimballed	AnchorBase™	FlexArmor®	Durcor-62®
							



LinerSleeves™ - PTFE Expansion Joint LinerSleeves
1”-2 convolutions to 42”-12 convolutions
Use when the fluid contains abrasive solids, the fluid holds material that may settle out in the convolutions, the fluid velocity is high or the fluid is steam.

VacuBands™ - The vacuum rating of any PTFE expansion joint decreases with increasing temperature, diameter, and number of convolutions. VacuBands enable Flexijoints through 42” diameter to be rated for FULL VACUUM at +450°F.

BlueLine™ - 1” - 12”
Flexible couplings, Expansion Joints & Bellows. All BlueLine™ flexible couplings, expansion joints and bellows are constructed from uniform-walled isostatically molded PTFE and demonstrate a high level of design consistency throughout the product line.

FlexArmor® - PTFE Lined Metal Expansion Joints
1-1/2”-4 convolutions to 24”-13 convolutions
High pressure rating of a metallic expansion joint with the high temperature and near-universal corrosion resistance of PTFE.

RamParts iPS™ - 2”-8”
Ductile iron and is available unlined or lined with ETFE for chemical and abrasion resistence. The removable basket is available in 316ss or PTFE.
(-)20°F to (+)400°F

T-Line Strainer™ - 2” to 8”
Protecting your downstream equipment from the catastrophic damage of in-line debris. The strainer housing is lined with ETFE (standard) or PFA (optional) and the basket is PTFE.
150psi / (-)20°F to 400°F

FIBERGLASS TANKS

Each of Endurance Composites™ fiberglass tanks exhibit superior corrosion resistance and can be manufactured for high purity applications. When welding is required, we utilize superior welding techniques which allow for a minimum number of welds. Using only certified welders, we capitalize on the strength of the fusion methods as opposed to hand welding with hot air and filler rods. Producing welds equal in strength to the original material enables thermoforming of dished heads and flat bottoms (with knuckle radii) in one place.
Dual Laminate Tanks - Dual laminate is a hybrid system made of specialized thermoplastic liner inside, and fiberglass (FRP/GRP) structure outside. The thermoplastic liner can be matched to specific chemical requirements, which provides long life and the ability to withstand abrasion and high temperatures.