

- Actuation & Controls
- Commercial Plumbing & HVAC/R
- Corrosive Fluid PVF Solutions
- Industrial PVF
- Instrumentation & Controllers
- Sanitary Process Division
- Steam, Hot Water, Humidification

## Fiberglass FRP Piping Systems

*Fiberglass-Reinforced Plastic (FRP) pipe & fittings*



- **Conley™** | Filament Wound FRP Pipe
  - 1" - 30" Diameter
  - Up To 20 Feet Long
  - Exterior UV Protection
  - 25 Year Warranty Against Fiber Bloom



- **Gorilla™** | Composite Fittings
  - Resin Rich, Veil Liner
  - Corrosion Liner Thickness: 60 Or 100 Mil
  - No Derating Of Pipe PSI



- **Endurance™** | Continuous Cast FRP Pipe
  - 1" - 8" Diameter
  - Up To 50 Feet Long
  - Rotating Flanges



## PTFE-Lined Metal Piping Systems

*Seamless Steel PTFE-Lined pipe & fittings with rotating flanges*



**ChemTite®**

- **ChemTite®** | Seamless Pipe Lined With PTFE
  - A53 Seamless Carbon Steel Or 304L Or 316L Stainless Steel Housing
  - 1" To 42" Diameter
  - ASTM F1545 (1" - 12") PTFE Lined Pipe
  - Patented Chemstack Vent Plug Available
  - Rotating ANSI Flanges
  - Up To 450°F Service
  - Up To 285 PSI Maximum WP
  - Full Vacuum Rated To 12"
  - Grounding Lugs Available
  - ANSI B16.5 Dimensional Fittings
  - PFA, PVDF, ETFE, PP And PE Liners Also Available



## Dual Laminate Piping System

*Fluoropolymer-Lined Fiberglass-Reinforced Plastic (FRP) pipe & fittings*

### Endurance™



- **Endurance™** | Dual Laminate FRP Pipe & Fittings
  - Available 1" - 72" Diameter
  - NBS PS 15.69 (Hand Lay Up)
  - ASTM 2996 (Filament Wound Fabrication)
- Available in both *hand lay up* and *filament wound*, Endurance Dual Laminate FRP Pipe & Fittings feature a durable composite matrix exterior for mechanical strength, and corrosion resistant thermoplastic liners fully contact-bonded together using a proprietary methodology to reduce failures related to vacuum and differential thermal expansion.



## PTFE-Lined Structural Composite Piping System



**Durcor®**

- **Durcor®** | Structural Composite Housing With ASMT F-1545 Compliant PTFE-lining
  - Strong, Lightweight, Zero Corrosion
  - Thick Wall PTFE Liner
  - Available In 1" - 8" Diameter
  - Full Vacuum Up To 300°F
  - 1/4 The Weight Of Steel
  - No Exterior Primer/Painting Required
  - Pressures To 275 Psi
  - Temperature Range -40°F To 300°F
  - 5-year Warranty
- **Durcor 50's** - Available In 1" - 4" Diameter. Up To 50 Feet Long Pipe Spools With FEP Lining



**PV Line Cards:**

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**Composite Valves**



- Swing Checks
- Ball Checks
- Weir Style Diaphragm Valves



**Composite Valves**



- **PureFlex®** | Composite Valves
- **Ball Valves** - 1" To 10" ANSI Dimensions. Series 400, 405, 450, 455, 459. ISO 5211 Universal Mounting Pad. Exceeds Class VI Shut-Off
- **Butterfly Valves** - 2" To 12", 800 Series And 860 Series, Durcor® Body, Full Face Wafer & Lug Style, Locking Lever, Gear Op, Or Fully Automated
- **Ball Checks** - 1" To 6", 100 Series, Fiberglass, Carbon Graphite Reinforced Vinyl Ester, Or E-plus™ Epoxy Materials
- **Swing Checks** - 3" To 12", 200 Series, Unseats With <1psig Of Pressure, Seats Without Any Flow In Both Horizontal And Vertical Lines



**Lined Ductile Iron Valves**  
**ChemTite®**

Standard And Full Port Ductile Iron Ball Valves



- Ball Valves - 1" To 6"
- Ball Check Valves - 1" To 6"
- Plug Valves - 1" To 8"
- Butterfly Valves - 2" To 24"
- Diaphragm Valves - 1/2" To 6", Up To 12" On Some Body Styles



**Expansion Joints**



- **FlexiJoint** | PTFE Expansion Joints/Bellows & Flexible Connectors
- **BlueLine** | PTFE Expansion Joints/Bellows

**Sight Glasses**



- **Puresite** | Extruded FEP Tube Site Glass
- **Chemtite®**
  - Ductile Iron Bull's Eye Sight Glass, 1" To 6"
  - Ductile Iron Lantern Style 360° Sight Glass, 1" To 12"

**Gaskets**



- PureFlex | Task-Line | Ring Gaskets W/PTFE Encapsulated SS Inserts

**Flanges**



**PureFlex®** | **Durcor®** | Composite Lap Joint Flange

- Advanced Proprietary Fiber Reinforced Composite Construction, Tensile & Compressive Strengths Rival Steel, Outstanding Impact Resistance, Virtually Indestructible
- Drilled to CL150, PN10/16, JIS
- ANSI B16.5 Dimensions
- Temperature Range -60 °F To 300 °F
- Tensile Strength Of 50,000psi Per ASTM D-368 Or 358 Mpa

**Strainers**



- **T-Line** | Strainers
- Ductile Iron body With ETFE Or PFA Liner
- Heavy Solid Duty PTFE Basket

**Pumps - Sludge & Slurry**



- **RamParts®** | Ductile Iron P-Series Pump
- **RamParts®** | Ductile Iron I-PC Pump
- 5 Lining Options and 7 Diaphragm Materials



**Hoses**



- **PureFlex** | Ultra-Pure & Chemical Resistant
- Rubber Covered
- Braided Smooth Bore
- Braided Convuluted
- Silicone
- Heated Hose
- Food Grade Rubber Hose & PVC
- Hose Fittings



**Tanks**



- **Endurance™** | FRP & Dual Laminate Tanks
- Up To 14 Feet Diameter
- Up To 60 Feet Tall
- ASME RTP-1 FRP Tank