



ANDRONACO INDUSTRIES

Science fiction thinking.
Safe and Reliable Transfer of
Corrosive Fluids Reality.



Technologies That Fight Corrosion
Product Line Brochure

Designed, Engineered & Manufactured in the USA

Pioneers of Corrosion Solutions



This is what happens when you have more than (9) decades of corrosion technology experience coursing through your veins. You get 21st century products that are engineered with more technology, safety and performance than ever before.



Since 1931



Since 1952



Since 1974



Since 1994



Since 1951



Since 1953



Since 1974



Focus



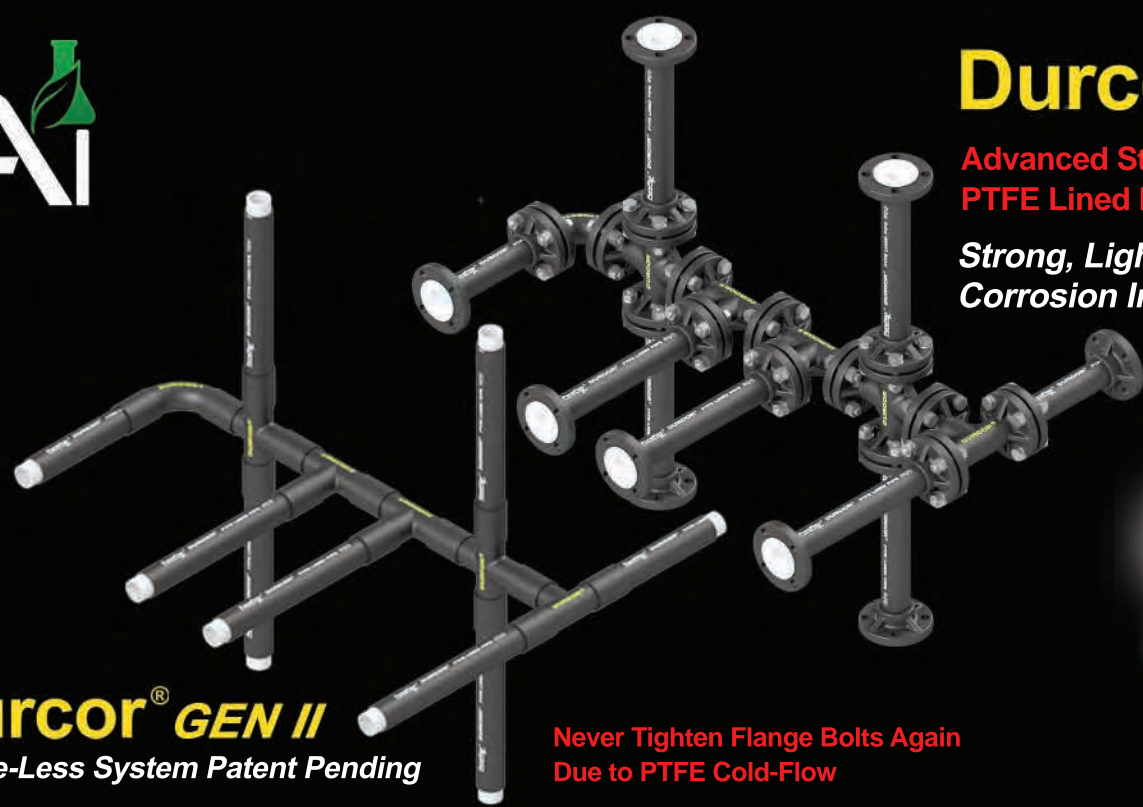
600,000 Sq. Feet of Corrosion Technologies



ANDRONACO INDUSTRIES (AI) is focused on one thing;

The Safe and Reliable Transfer of Corrosive Fluids





Durcor[®] GEN II
Flange-Less System Patent Pending

Durcor[®]

Advanced Structural Composite
PTFE Lined Piping System

Strong, Light Weight, Zero
Corrosion Inside & Out



Never Tighten Flange Bolts Again
Due to PTFE Cold-Flow

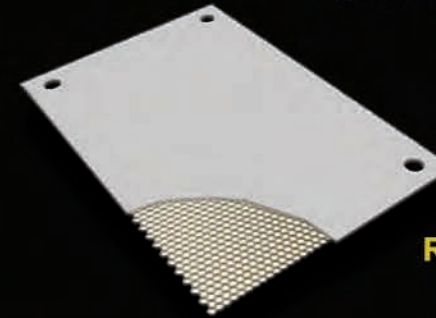


TASK-LINE[®]
Gaskets

TASK-LINE[®]
Line Blockers

TASK-LINE[®]
Grounding Paddles

The original, patented stainless perforated insert, encapsulated with PTFE, eliminates cold flow and is re-usable.
Size Range 1/2" - 24", 150# & 300#, Std and ANSI Available.



Riload[®] PTFE Bearing Pads

The Leaders in Lined and Composite Products



PTFE/PFA or UHMWPE Lined Composite Butterfly Valves

- Size Range 2" - 12"
- (-)60°F - (+)250°F
- Triple Stem Seals
- Bubble-Tight
- Full Vacuum to 150 PSI
- PFA or Alloy Discs



Composite Valves

- Ball Valves 1" - 10"
- Butterfly Valves 2" - 60"
- Ball Check Valves 1" - 6"
- (-)50°F - (+)275°F
- Premium Epoxy & Vinyl Ester Resins
- Ceramic Lined
- Manual or Automated



PureFlex[®]

PureFlex.com



BlueLine[™] PTFE Expansion Joints

- Size Range 1" - 12"
- 2, 3 or 5 Convolutions
- Ductile Iron or Stainless Flanges

Hoses & Fittings PTFE & FEP

- Smoothbore
- Convoluted
- Stainless or Polypro Braid
- Rubber Covered
- Heated Hoses
- Chlorine Hoses
- Hose Fittings
- Factory Assemblies

PureSite[™] FEP Sight Flow Indicators

- Size Range 1/2" - 4"
- Virtually Unbreakable
- Flange, Sanitary or Threaded Connections



CL2[™] CHLORINE HOSE

100% compliant with
Chlorine Institute





ChemTite® PTFE Liners

Proprietary "Enhanced" PTFE liners are the most permeation resistant in the industry

ChemTite® Lined Pipe & Fittings

- 1/2" - 42" Size Range
- PTFE, PFA, FEP, ETFE, PVDF, Polypro or PE
- Exceeds F1545

TriPure™ Clamped Lined Sanitary Pipe & Fittings

- 1-1/2" - 6" Size Range
- ETFE or PFA Lined



Custom RotoLining

- 1-1/2" - 13 Feet Diameter
- PFA, FEP, ETFE, PVDF, Polypro & PE

The Leader in Fluoropolymer Lined Piping Technologies



T-Line™ Lined Strainers

- 2" - 8" Size Range
- ETFE or PFA Lined w/ Solid PTFE or Alloy Baskets



Flo-Vu® Sight Flow Indicators

- 1" - 12" Size Range
- Live Loaded Seal Design
- Up to 60" Long

Guaranteed Not To Leak

Flexijoint® PTFE Expansion Joints

- 1" - 42" Size Range
- Up to 13 Convolutions
- Steel, Ductile Iron, Stainless or Composite Flanges



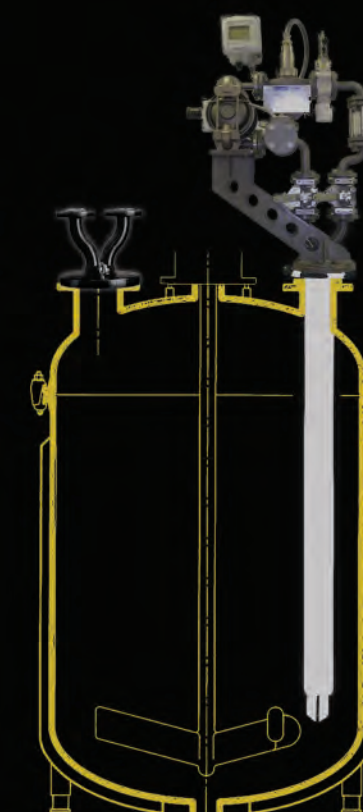
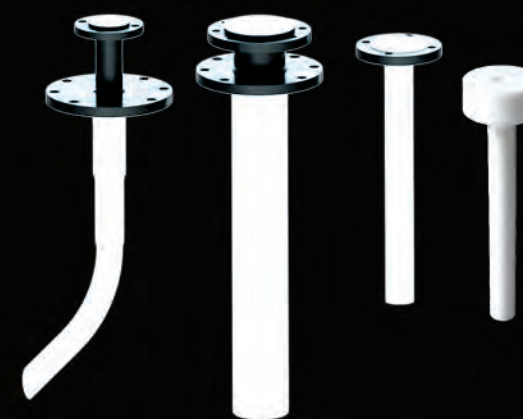
FlexArmor® PTFE Lined Metallic Expansion Joints

- 1-1/2" - 24" Size Range
- Stainless and High Alloys
- Up to 12 Convolutions



Ethylarmor™ Dip Pipes and Sampling Systems

- 1" - 10" Size Range
- PTFE Lined and Covered or Solid PTFE
- Single and Double Flanged



Uniform Wall Thickness
Actual Cross-Section



ChemTite® PFA Lined Standard and Full Port Ball Valves

- 1" - 6" Size Range
- (-) 20°F to (+)400°F
- Bubble-Tight
- One Piece or Two Piece Ball and Stem
- Full Vacuum to 250 PSI



ChemTite® TFM / PFA Lined Plug Valves

- 1" - 6" Size Range
- (-)20°F - (+)400°F
- Bubble-Tight
- TFM Lined with PFA Plug
- Full Vacuum to 250 PSI



ChemTite® Lined Butterfly Valves

- (-)20°F - (+)400°F
- PTFE or UHMWPE Seats
- PFA, Hastelloy, Titanium, Stainless Disc Options
- Bubble-Tight
- Full Vacuum to 250 PSI



The Leader in Fluoropolymer Lined Valve Technologies



Diaphragm Valves Unlined and Lined

- 1/2" - 10" Size Range
- ETFE, PVDF, Polypro, Rubber and Glass Lined
- DI, CS, Stainless & Alloy 20



ChemTite® PFA Lined Accessories

Inline Strainer

- 1" - 6" Size Range
- (-)20°F - (+)400°F
- PTFE Basket
- Full Vacuum to 250 PSI
- Mesh Sizes Available: 120, 30 & 16



Bulls-Eye Sight Glass

- 1" - 6" Size Range
- (-)20°F - (+)400°F
- Integral Drip Lip
- Full Vacuum to 250 PSI



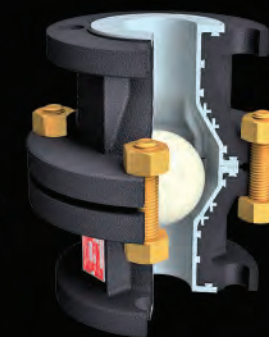
Horizontal Ball Check

- 1" - 6" Size Range
- (-)20°F - (+)400°F
- Full Vacuum to 250 PSI
- Solid PTFE ball



Vertical Ball Check

- 1" - 6" Size Range
- (-)20°F - (+)400°F
- Full Vacuum to 250 PSI
- Solid PTFE ball



Metal Lined

Metal Unlined

Glass Lined

Solid Plastic

Automated Valves



Double Containment Systems

Size Range 1" to 30"

Filament Wound Fiberglass Pipe

- Size Range 1" to 30"
- Premium vinyl ester and epoxy resin
- 50 Mil & 100 mil resin rich liner

Endurance™ Continuous Cast Pipe

- Size Range 1" to 8"
- Premium vinyl ester and epoxy resin
- 50 Mil and 100 mil resin rich liner



Custom Fiberglass Dual Laminate Fittings



Custom Hand Lay-Up Fittings and Pipe

1" - 75" Size Range

The Leaders in Composite & Dual Laminate Technologies



Floor Drains & Cleanouts

Size Range 2" to 30"

Gorilla Fittings Ultra Heavy Duty Socket and Flanged Fittings



Conley Composites
www.Conleyfrp.com

COMPOSITES ENDURANCE
www.Endurancefrp.com



Dual Laminate and Fiberglass Tanks

- Up to 14 feet in diameter
- Liners - PVC, CPVC, PVDF
- FEP, PFA ECTFE/Halar



RTP-1 CERTIFIED

Basket Strainers

Size Range 1-1/2" to 20"



Diaphragm Valves

Size Range 1-1/2" to 6"



Swing Check Valves

Size Range 2" to 12"



Large Diameter Dual Laminate Pipe

Up to 75" Diameter





Polyethylene Ball Valves

Over 3,500,000 Valves Installed



Poly-Chem®

The first polyethylene valves made for chemical applications.



Poly-Gas®

The first polyethylene valves approved for use on natural gas applications.



Poly-Water®

The first polyethylene valves approved for potable water - NSF.

Air Operated Diaphragm Pumps

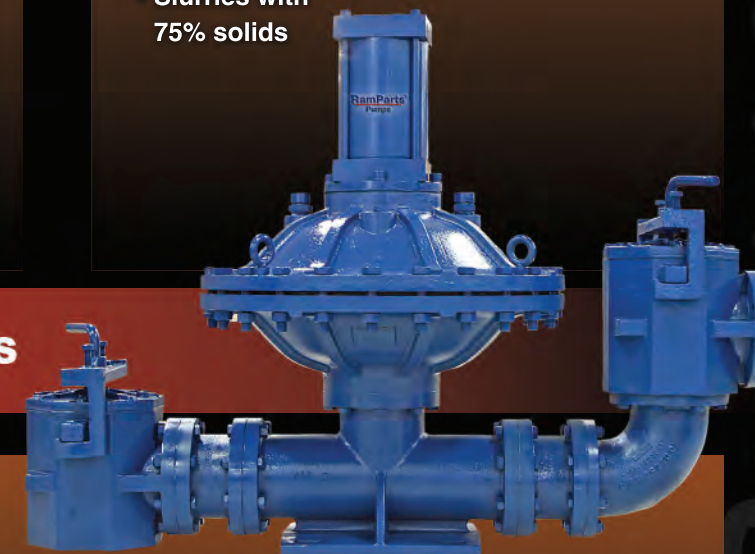
Heavy Duty, Hard - Core Pumping 24/7/365

A super heavy duty, seal-less diaphragm pump designed for continuous operation of the most demanding fluids. Whether it be sludge, abrasives, corrosives, or any combination of the three, RamParts pumps are built to take the punishment

- Size range from 1-1/2" to 6"
- Flows to 380 GPM
- Solids handling to 2.5"
- Pressures to 125 psig
- Temperatures to 300° F
- Materials of construction
 - Unlined ductile iron
 - Elastomer lined
 - ETFE Lined

RamParts pumps will transfer anything that can flow in a pipeline such as:

- Viscous slurries / sludge
- Abrasive slurries
- Corrosive slurries
- Shear sensitive slurries
- Delicate crystal slurries
- Slurries with 75% solids



The Leaders in Polyethylene Valve & Diaphragm Pump Technologies

Large Diameter

- 1/2" - 16" Size Range
- Meets or exceeds:
 - NSF, ASME B16.40,
 - ASTM D2513,
 - CSA B137.0, B137.4
 - DOT 49CFR Part 192
- ISO 9001



Features

- Both suction & discharge flow & pressures are adjustable
- Seal-less design
- Solids handling up to 5" Diameter
- Run dry indefinitely
- Self-priming to 20 feet
- Deadhead without damage
- Minimizes particle degradation
- In-line reparability
- Flow-through design

Retrofit & Replacement Parts for Dorr-Oliver ODS Pumps



Lock-out Options



Flange Options



Automation Options



Pump Controllers

Ramparts controllers allow complete adjustability of flow and pressure rates. Options include our exclusive pulse technology.



RamParts® Pumps

THE UNDISPUTED
**HEAVY WEIGHT
CHAMP**

When a double diaphragm pump
just can't take the punishment.
Give us a call.....



Engineered to pump 24/7/365

2" Pump Comparison

RamParts

AODD

Weight -----	310#	109#
Displacement / Stroke -----	3.2 Gal	.81 Gal
Max Solid Size -----	1"	1/4"
Lining Availability -----	ETFE / Rubber	None
Quick Open Check Valves -----	Yes	No
Flange & Bolt Construction ---	Std.	No / Optional
Remote Internet Controlled ---	Option	No
Suction/Discharge Controllable	Yes	No
Pulse Technology -----	Yes	No
Inline Repairability -----	Yes	No

Durcor®

Advanced Structural Composite
PTFE Lined Piping System

User Comments

*"ANDRONACO INDUSTRIES technologies
never cease to amaze me"*

"After 5 years Durcor still looks new"

*"Installed in 1/2 the time, saved
us a ton of money"*

*"No painting is a great money saver
for us, no maintenance with this stuff"*

*"So easy to move around and way
easier to install"*

"This pipe will last forever"

*"I'm sold, this will be the plant
standard going forward"*





ANDRONACO INDUSTRIES

***The Largest, Most Technologically Advanced
Fluoropolymer Lining & Composite Manufacturing
Company In The World!***

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