



# Product Overview





## Epoxy Resin Systems

Conley 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 Conley's proprietary premium epoxy (E-Plus) has outstanding chemical resistance to 98% sulfuric acid and aggressive solvents such as acetone, chloroform and methylene chloride up to an operating temperature of 275°F.

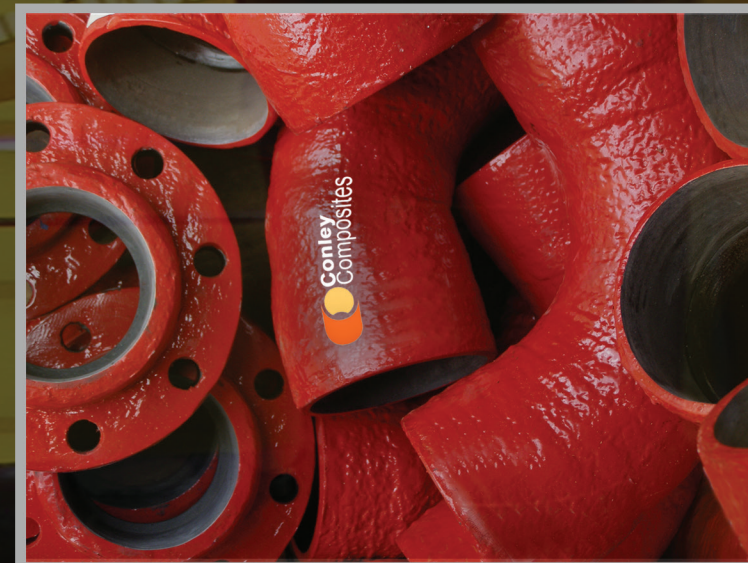
See chemical resistance guide for more information.

## Vinyl Ester Resin Systems

Conley vinyl ester performs best in acids, alkali, brines with improved performance in solvents up to 225°F.

Conley's novolac resin has excellent resistance to acidic and oxidizing agents such as aqueous chlorine and chlorine dioxide up to 290°F. Conductive systems available in both resins.

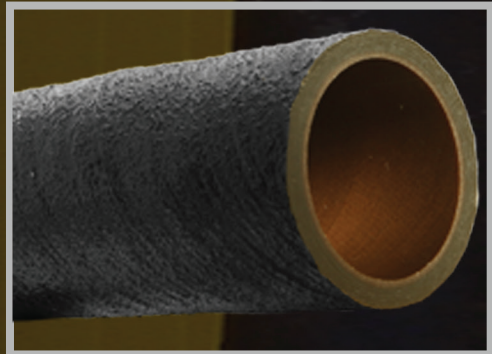
See chemical resistance guide for more information.



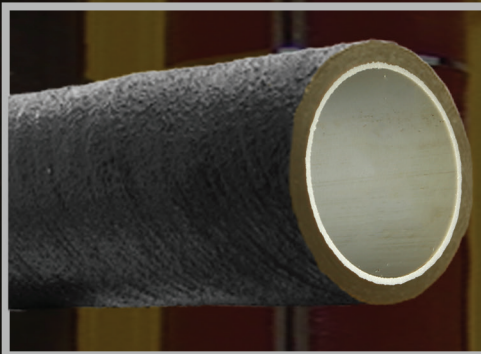
## The Conley (3) Stage System

Conley products all begin with Premium epoxy or vinyl ester resins in its exclusive three stage process. (Stage 1) We add multiple layers of Nexus synthetic veil reinforcement saturated with amine cured premium epoxy, vinyl ester or E-Plus resin for a rich corrosion barrier. Our resin rich liner is 90% resin and 10% veil reinforcement for a combination of superior chemical resistance and impact resistance. (Stage 2) Over the resin rich liner is an amine cured epoxy filament wound reinforced wall of multi-layered continuous glass delivered under controlled tension for optimum hoop and axial strength. The last stage, epoxy resin rich Nexus layers are added to the exterior to provide maximum corrosion resistance, impact resistance and aids to eliminate fiber blooming caused by the damaging effects of ultraviolet (UV) exposure. No other composite pipe/fitting manufacturer offers the benefits of a Conley piping system.

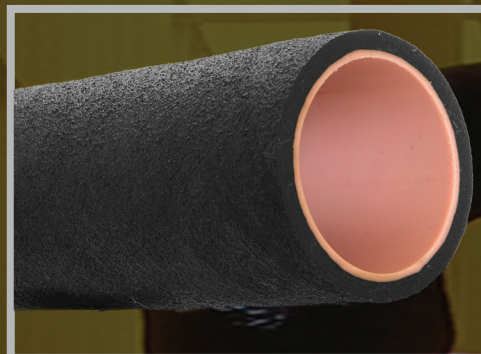
Epoxy - Amine Cured - E-Plus



Premium Vinyl Ester



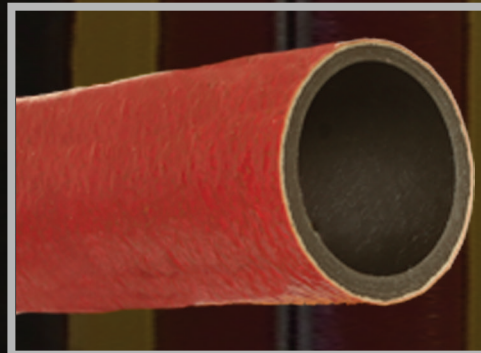
Novolac Vinyl Ester



Epoxy or Vinyl Ester  
FGD Abrasion Resistant



Epoxy - Marine & Offshore



Epoxy or Vinyl Ester  
Double Containment System



## Specialty Piping Systems

Conley E-Plus resin is designed for aggressive chlorinated solvents and performs well in acidic and alkali media as well. E-Plus is available with a conductive system that is widely used in the pharmaceutical industry. Conley's heavy duty FGD pipe has a thick barrier of resin filled with silicon carbide for increased abrasion resistance. Conley also manufactures a complete double contained piping system for those applications requiring maximum environmental security against pipeline leaks.

## General Pipe Data

	Pipe Series	Size Range	Inner Corrosion Barrier	**Pressure Rating	Temperature Rating
Epoxy Amine or *E-Plus (Proprietary Epoxy)	50 – 100	1" – 30"	.100"	250 psi	275°F
Vinyl Ester or Novolac	30 – 60	2" – 30"	.060"	250 psi	215/290°F
	40-60	1" – 30"	.060"	300 psi	215/290°F
	50 – 100	1" – 30"	.100"	250 psi	215/290°F
FGD Epoxy or Vinyl Ester	50 – 100	1" – 30"	100"	250 psi	245/275°F
Marine - Offshore Epoxy	90 – 60	1" – 20"	.060"	150/250 psi	235°F
Double Contained Epoxy or Vinyl Ester	30/30 – 60/60	2" – 24"	.060"/.060"	150 psi	215/275°F
	40/30 – 60/60	2" – 24"	.060"/.060"	150 psi	215/275°F
	50/30 – 100/60	2" – 24"	.100"/.060"	150 psi	215/275°F

\*E-Plus is available in pipe series 40 – 60 & 50 – 100 only.

\*\* Pressure ratings are pipe size specific. Please refer to specification sheets.

**The Largest “Standard Product” Size Range in the Industry**



# Composite Accessories



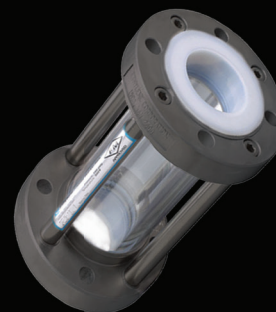
Composite Flanged & Wafer  
Swing Check Valves  
& Ball Check Valves  
Size Range 1" - 30"



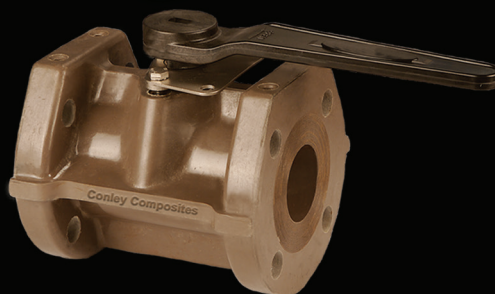
Composite  
Butterfly valves  
Size Range 2" - 48"



Composite Flanged PTFE  
Expansion joints  
Size Range 1" - 42"



Composite Flanged  
360° View Sight Gages  
Size Range 1" - 12"



Composite Ball Valves  
Size Range 1" - 10"



Composite  
In-line & Y Strainers  
Size Range 1-1/2" to 30"



Composite  
Diaphragm Valves  
Size Range 1-1/2" - 6"



Composite  
Floor Drains  
Size Range 3" - 12"