

# Nil-Cor<sup>®</sup>

The Leader in Advanced Composite Valves

## Product Overview



# Nil-Cor®

Strong, Lightweight, Chemical Resistant

Nil-Cor is the pioneer and world leader in design, production and application of advanced composite valves manufactured from fiberglass and graphite reinforced resins. First introduced in 1977, Nil-Cor advanced composite valves have consistently proven their value in tough, highly corrosive fluids and environments. Nil-Cor graphite and fiberglass reinforced thermoset and thermoplastic resins provide outstanding resistance to acids, caustics, bleaches, solvents and over 1,000 other corrosive chemicals.



## Ball Valves

- Choice of (5) Resin Systems
  - Fiberglass or Graphite Reinforcements
  - Size Range 1" - 8"
  - Service Temperature (-)50°F to 275°F
  - Service Pressure to 275 psig
  - ANSI B16.10
  - ANSI 150# Flange Drilling
  - Bubble-Tight Seal
  - DIN, JIS & BS Flg. Drilling Option
- Note: 8" size is wafer design



## High Performance Double-Offset Butterfly Valves

- 300, 310, 500XP or 610XP Resin System
  - Viton Seat
  - Composite Disc
  - Size Range 3" - 36"
  - Service Temperature (-)50°F to 250°F
  - Service Pressure to 150 psig
  - ANSI 150# Flange Drilling
  - DIN, JIS & BS Flg. Drilling Option
- Note: Not all resin systems available with all sizes



## Slurry Ball Valves

- Zirconia Ceramic Ball
- Zirconia or UHMWPE Liners
- Size Range 1" - 6"
- Service Temperature (-)50°F to 275°F
- Service Pressure to 275 psig
- ANSI B16.10
- ANSI 150# Flange Drilling
- Class IV Shut-Off
- DIN, JIS & BS Flg. Drilling Option



## Threaded Ball Valves

- 410 Polysulfone Resin System
- 3-Piece Design
- Size Range 1/2" - 2"
- Service Temperature (-)50°F to 275°F
- Service Pressure to 275 psig
- MSS SP-84 Threaded End Connections
- Socket End Connections Available
- Bubble-Tight Seal



## Ball Check Valves

- 300, 310, 410, 500XP or 610XP Resin System
- Fiberglass or Graphite Reinforcements
- Size Range 1" - 6"
- Service Temperature (-)50°F to 275°F
- ANSI 150# Flange Drilling
- DIN, JIS & BS Flg. Drilling Option



## Resin System Choices

- 300 : Vinyl Ester with Graphite Fiber
- 310 : Vinyl Ester with Glass Fiber
- 410 : Polysulfone with Glass Fiber
- 500XP : Novolac Epoxy with Graphite Fiber
- 610XP : Novolac Epoxy with Glass Fiber

For Selection Guidelines & Chemical Resistance  
See Catalog 1000

## PTFE / PFA Lined Butterfly Valves

- Structural Composite Body
- PTFE Seat / PFA Encapsulated Disc
- Size Range 2" - 12"
- Service Temperature (-)50°F to 275°F
- Service Pressure to 150 psig
- ANSI 150# Flange Drilling
- Bubble-Tight Seal
- DIN, JIS & BS Flg. Drilling Option



## Elastomer Lined Butterfly Valves

- Structural Composite Body
- EPDM or Hypalon Seat
- EPDM or Hypalon Encapsulated Disc
- Size Range 2" - 12"
- Service Temperature (-)50°F to 250°F
- Service Pressure to 150 psig
- ANSI CL 150 Drilling
- Bubble-Tight Seal
- DIN, JIS & BS Flg. Drilling Option



## 3-Way Ball Valve

- 300, 310, 500XP or 610XP Resin System
- Fiberglass or Graphite Reinforcements
- Size Range 1 1/2"
- Service Temperature (-)50°F to 275°F
- ANSI 150# Flange Drilling
- DIN, JIS & BS Flg. Drilling Option



# Control Valves



*Composite Mounting Bracket*



*Characterized Trim*



- Linear
- Equal Percentage
- Custom



Certified to ISO 9001



TSSA Certified



Type Approved Certified



PED Directive Certified



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