

SHARPE[®] VALVES



SERIES 84

3-PIECE STANDARD PORT



Size:	1/4" to 4"
Material:	316 Stainless Steel, Carbon Steel, Alloy 20, Hastelloy C, Monel, Brass
Ends:	NPT, SW, BW, BSPT, 150#, 300#, 600#, Flanged
Pressure:	Vacuum to 3000 PSI*
Temperature:	-50° to 600° F*

- ASME B16.34 Design
- NACE MR0175 Compliant
- Bottom Entry Live Loaded Stem
- High Cycle Stem Packing
- Encapsulated Body Bolts
- Variety of Seats and Seals
- Integral Mounting Pad
- Lockable, Lever, Extended or Oval Handle
- Floating Ball Design
- Encapsulated Body Seal
- Weldable in line without disassembly of ends

* Size limitations

SERIES 99

3-PIECE FULL PORT



Size:	1/4" to 3"
Material:	316 Stainless Steel, Carbon Steel, Alloy 20, Hastelloy C, Monel, Brass
Ends:	NPT, SW, BW, BSPT, 150#, 300#, 600#, Flanged
Pressure:	Vacuum to 3000 PSI*
Temperature:	-50° to 600° F*

- ASME B 16.34 Design
- NACE MR0175 Compliant
- Bottom Entry Live Loaded Stem
- High Cycle Stem Packing
- Encapsulated Body Bolts
- Variety of Seats and Seals
- Integral Mounting Pad
- Lockable, Lever, Extended or Oval Handle
- Encapsulated Body Seals
- Weldable in line without disassembly of ends

* Size limitations

SERIES 60

3-PIECE HIGH PRESSURE



Port:	Full Port Schedule 160
Size:	1/4" to 2"
Material:	316 Stainless Steel, Carbon Steel
Ends:	NPT, SW, SAE, BW, BSPT, Flanged
Pressure:	Vacuum to 6000 PSI
Temperature:	-50° to 600° F

- ASME B16.34 Class 2500 Design
- NACE MR0175 Compliant
- Bottom Entry Live Loaded Stem
- High Cycle Stem Packing
- Encapsulated Body Bolts
- Variety of Seats and Seals
- Integral Mounting Pad
- Lockable, Lever, Extended or Oval Handle
- Encapsulated Body Seals

SERIES V84

CONTROL VALVE



Port:	V15°, V30°, V60° (Special Configurations Also Available)
Size:	1/4" to 4"
Material:	316 Stainless Steel, Carbon Steel, Alloy 20, Hastelloy C, Monel
Ends:	NPT, SW, BW, BSPT, 150#, 300#, 600#, Flanged
Pressure:	Vacuum to 3000 PSI*
Temperature:	-50° to 600° F*

- 3-Piece Design
- Bottom Entry Live Loaded Stem
- High Cycle Stem Packing
- Encapsulated Body Bolts
- Variety of Seats and Seals
- "No Play" Coupling
- Integral Mounting Pad
- Metal Seats available for Slurry and High Temperatures Applications
- Weldable in line without disassembly of ends

* Size limitations

SERIES 88 HIGH PURITY BPE COMPLIANT FULL PORT TUBE BALL VALVE



Port: Full Port
 Size: 1/4" to 4"
 Material: 316L Stainless Steel, Alloy 20, Hastelloy C
 Ends: CE (Clamp Ends), BW, SW, BTE (Extended Butt weld Tube)
 Pressure: 1480 PSI
 Temperature: 450° F

- ASME/BPE - 2009 Compliant
- 3-Piece Design
- High Cycle Stem Design
- Encapsulated Body Bolts
- Variety of Seats, Seals and Aseptic end Connections
- Integral Mounting Pad
- Lockable, Lever, Extended or Oval Handle
- All Wetted Parts Polished To 14-18 RA
- Optional 8-10 RA Electropolish
- Optional Purge Ports Available

SERIES 66 HIGH PURITY FULL PORT TUBE BALL VALVE



Port: Full Port
 Size: 1/2" to 4"
 Material: 316L Stainless Steel
 Ends: CE (Clamp Ends), BTE (Extended Butt weld Tube)
 Pressure: 1480 PSI
 Temperature: 450° F

- 3-Piece Design
- High Cycle Stem Packing
- Encapsulated Body Bolts
- Variety of Seats and Seals
- Integral ISO Mounting Handle
- Lockable, Lever, Extended or Oval Handle
- Hygienic Seating Design
- Blow Out Proof Stem

SERIES N66 ECONOMY 3-PIECE FULL PORT TUBE BALL VALVE



Port: Full Port
 Size: 1/2" to 2"
 Material: 316 Stainless Steel
 Ends: BW, CE (Clamp End), BWE (Butt weld Extended)
 Pressure: 1000 PSI
 Temperature: 450° F

- ASTM A351 316
- 3-Piece Design
- High Cycle Stem Design
- Integral ISO 5211 Mounting Pad
- Lockable Handle Lever or Oval Handle
- Hygienic Seating Design
- Live Loaded Stem Packing
- Blow Out Proof Stem
- Silicon Free (Option)

SERIES 15 SANITARY CLAMP END BUTTERFLY VALVE



Size: 1" to 4"
 Material: 304 Stainless Steel
 Ends: CE (Clamp End)
 Pressure: 145 PSI
 Temperature: 230° F

- Bi-Directional
- Designed for Sanitary Applications
- Pull 4-Position or 12 Position Handle
- Pneumatic or Electric Automation Available

SERIES FS

FIRE SAFE VALVES



Port:	Standard or Full Port
Size:	3-Piece: 1/2" to 2-1/2" Flanged: 1/2" to 12"
Material:	316 Stainless Steel, Carbon Steel, Alloy 20, Hastelloy C, Monel
Ends:	NPT, SW, BW, BSPT, 150#, 300#, 600# Flanged
Temperature:	-50° to 550° F

- Fire Safe API 607 4th Edition
- ASME B 16.34 Design
- Bottom Entry Live Loaded Stem
- Integral Mounting Pad
- Lockable, Lever, Extended or Oval Handle

SERIES W84, W99, W50

STEAM AND THERMAL FLUID VALVES



Port:	Standard or Full Port
Size:	3-Piece: 1/2" to 4" Flanged: 1/2" to 12"
Material:	316 Stainless Steel, Carbon Steel, Alloy 20, Hastelloy C, Monel
Ends:	NPT, SW, BW, BSPT, 150#, 300#, 600# Flanged
Pressure:	500 PSI - Maximum Working Steam Pressure
Temperature:	600° F for Thermal Fluids

- Live Loaded Stem
- Integral Mounting Pad
- NOVA, Peak, or Vespel Seats
- Encapsulated Grafoil Seals
- Lockable, Lever, Extended or Oval Handle

SERIES M

METAL SEATED BALL VALVES



Port:	Standard or Full Port
Size:	3-Piece: 1/2" to 4" Flanged: 1/2" to 12"
Material:	316 Stainless Steel, Carbon Steel
Ends:	NPT, SW, BW, 150#, 300#, 600# Flanged
Pressure:	1480 PSI Max
Temperature:	1000° F Max

- Seat Leakage Rate to FCI 70-2, Class V
- Integral Mounting Pad
- Lockable, Lever, Extended or Oval Handle
- Stainless Steel 17-4PH Stem
- Gear Operator (Optional)
- Scraper Seat

SERIES FB

FLUSH BOTTOM TANK VALVES



Port:	Standard or Full Port
Size:	1/4" to 4" for Tube and Pipe
Material:	316 Stainless Steel, Alloy 20, Hastelloy C
Ends:	NPT, SW, BW, BSPT, CE (clamp ends), BTE (Butt Weld Extended Ends), 150#, 300#, 600# Flanged
Temperature:	-50° to 600° F

- Fully Encapsulated Body Bolts
- Variety of End Configurations
- Choice of Seats and Seals
- Integral Mounting Pad
- Lockable, Lever, Extended or Oval Handle
- Angle Engineered Design for Automation
- Flush Pad Made From Solid Bar
- Purge Ports (Optional)

SERIES CL

CHLORINE BALL VALVE



Port:	Standard or Full Port
Size:	3-Piece: 1/2" to 2" Flanged: 1/2" to 4"
Material:	Carbon Steel with Hastelloy C or Monel Trim
Ends:	NPT, SW, BW, BSPT 150#, 300#, 600#, Flanged

- Chlorine Institute Pamphlet #6 Compliant
- Bottom Entry Live Loaded Stem
- High Cycle
- Encapsulated Body Bolts
- Integral Mounting Pad
- Lockable, Lever, Extended or Oval Handle

SERIES C

CRYOGENIC BALL VALVE



Port:	Standard or Full Port
Size:	3-Piece: 1/2" to 4" Flanged: 1/2" to 4"
Material:	316 Stainless Steel
Ends:	NPT, SW, BW, BSPT, 150#, 300#, 600# Flanged

- Valve Meets Test Specifications Of BS 6364 For Cryogenic Valves
- ANSI B16.34
- Live Load Stem Packing
- Fully Encapsulated Body Seals
- Integral ISO 5211 Mounting Pad
- Lockable, Lever, Extended or Oval Handle

SERIES 86

3 PIECE TUBE & INSTRUMENTATION BALL VALVE



Size:	1/4" to 1"
Material:	316 Stainless Steel
Ends:	Compression x Compression, NPT x Compression, SW x Compression
Pressure:	3000 PSI*
Temperature:	-50° to 600° F*

- 3 Piece Design
- Encapsulated Body Bolts
- Variety of Seats
- Integral ISO Mounting Pad
- Lockable, Lever, Extended or Oval Handle
- Live Loaded Stem / High Cycle Stem Seal
- Floating Ball Design

* Size limitations

SERIES 17

BUTTERFLY VALVE



Size:	2" - 12" rating up to 200 PSI 14" - 48" rating up to 150 PSI
Body Material:	Ductile Iron / Cast Iron
Disc Material:	316 Stainless Steel, Ductile Iron Nickel Plated, Aluminum Bronze, Ductile Iron Nylon Coated, Monel
Seat:	BUNA-N, EPDM, EPDM Food Grade, Viton
Connections:	Lug or Wafer
Temperature:	-30° to 275° F

- MSS SP - 67 and API 609 Compliant
- MSS SP - 25 Marking
- Self-lubricated Bushings Eliminate Side Loading
- Blowout Proof Shaft
- One-Piece Wafer and Lug Body, Epoxy Painted Offering Excellent Protection Against Abrasion and Corrosion
- Valves Available with Undercut Discs to 50 PSI
- ISO 5211 Mounting Pad
- Bidirectional or Dead End Service
- Phenolic Backed Cartridge Seat

SERIES 77

3-WAY AND 4-WAY BALL VALVE



Size: Full Port 1/4" to 6"
Standard Port 8"

Material: 316 Stainless Steel, Carbon Steel,
Alloy 20, Hastelloy C

Ends: NPT, SW, BW, RF Flange,
Tri-Clamp Ends, Extended Butt
Weld, Short Butt Weld

Pressure: 600 PSI

Temperature: 450° F

- ASME B16.5
- ASME B16.11
- 4-Seat Design
- Double Stem Seals; Stem Design
- Multiple End Connections
- Lockable Handles, Lever or Oval Handle
- Full Port Design
- Trunnion- Supported Ball for 2" and up
- ISO 5211 Mounting Pad
- T, L, and Double L Balls
- 14 Different Flow Plans
- Direct Mount Design
- Live Loaded Stem Packing
- Blowout Proof Stem

SERIES 76

3-WAY BALL VALVE



Size: 1/4" to 2"

Material: 316 Stainless Steel

Ends: NPT, SW

Pressure: 1000 PSI

Temperature: 450° F

- Threaded Ends to B16.11
- ISO 5211 Mounting Pad
- TFM Seats
- 4- Seat Design
- 10 Different Flow Patterns
- Direct Mount Design
- Lockable, Lever, Extended or Oval Handle
- Available in Threaded or Socket-Weld End
- Live Loaded Stem Packing
- Blowout Proof Stem
- L or T Ball Configuration

SERIES D84,D88,D86

3-PIECE DIVERTER BOTTOM ENTRY BALL VALVES



Port: Standard or Full Port

Size: 1/4" to 4"

Material: 316 Stainless Steel, Carbon Steel,
Alloy 20

Ends: NPT, SW, BW, BSPT

Pressure: 1480 PSI

Temperature: 600° F

- 3- Piece Diverter Design
- Bottom Entry
- Live Loaded Stem - High Cycle Steam Seal
- Lockable Handle, Lever or Oval Handle
- Encapsulated Body Bolts

SERIES D88

HIGH PURITY DIVERTER VALVE BOTTOM OR SIDE ENTRY



Port: Full Port

Size: 1/2" to 4"

Material: 316L Stainless Steel

Ends: CE, BW, BTE (Buttweld Tube
Extended)

Pressure: 1480 PSI

Temperature: 450° F

- ASME/BPE - 2009 Compliant
- 3- Piece Design
- High Cycle Stem Design
- Encapsulated Body Bolts
- Variety of Seats, Seals and Aseptic end Connections
- Integral Mounting Pad
- Lockable, Lever, Extended or Oval Handle
- All Wetted Parts Polished To 14-18 RA
- Optional 8-10 RA Electro polish
- Optional Purge Ports Available

SERIES 49

FLANGED FULL PORT BALL VALVE



Port: Full Port
Size: 1/2" to 6"
Material: 316 Stainless Steel & Carbon Steel
Ends: 150# Flange
Pressure: 275 PSI
Temperature: 500° F

- ASME B 16.34
- ASME B 16.5
- Blowout Proof Stem
- Lockable, Lever Handle
- RTFE Seats
- PTFE Stem Packing

SERIES 50

FLANGED 2 PIECE FULL PORT BALL VALVE



Port: Full Port
Size: 1/2" to 12"
Material: 316 Stainless Steel, Carbon Steel, Alloy 20, Hastelloy C, Monel
Ends: 150#, 300#, 600# Flange
Pressure: 1480 PSI
Temperature: 600° F

- ASME B 16.34
- ASME B 16.5
- NACE MR0175 Compliant
- Blowout Proof Stem
- Bottom Entry Line Loaded Stem
- Integral Mounting Pad
- Variety of Seats and Seals
- Lockable, Lever, Extended or Oval Handle

SERIES 54

FLANGED STANDARD PORT BALL VALVE



Port: Standard Port
Size: 1" to 8"
Material: 316 Stainless Steel, Carbon Steel, Alloy 20, Hastelloy C, Monel
Ends: 150#, 300# Flange
Pressure: 740 PSI
Temperature: 550° F

- ASME B 16.34
- ASME B 16.5
- NACE MR0175 Compliant
- Blowout Proof Stem
- Bottom Entry Line Loaded Stem
- Integral Mounting Pad
- Variety of Seats and Seals
- Lockable, Lever, Extended or Oval Handle

SERIES 58

1-PIECE REDUCED PORT BALL VALVE



Port:	Reduced Port
Size:	1/4" to 2"
Material:	316 Stainless Steel
Ends:	NPT
Pressure:	800 PSI
Temperature:	450° F

- Uni-body Design
- Blowout Proof Stem
- Lockable Handle, Lever or Oval Handle
- RTFE Seats
- Threaded Ends

SERIES 58B7

1-PIECE STANDARD PORT BALL VALVE



Port:	Reduced Port
Size:	1/4" to 2"
Material:	Carbon Steel
Ends:	NPT
Pressure:	2000 PSI
Temperature:	450° F

- ASTM A108
- Nace MR0175 Compliant
- Uni-body Design
- RTFE Seats
- 150 lb. WSP
- Stainless Steel Trim
- Blowout Proof Stem
- Lockable Handle

SERIES 50M

2-PIECE FULL PORT 1000 PSI BALL VALVE



Port:	Full Port
Size:	1/4" to 3"
Material:	316 Stainless Steel
Ends:	NPT
Pressure:	1000 PSI
Temperature:	450° F

- Blowout Proof Stem
- Lockable, Lever, Extended or Oval Handle
- RTFE Seats
- Latch Lock Handle
- 150 lb. Steam Ratings (Saturated) with RTFE Seats

SERIES 5457

2-PIECE STANDARD 2000 PORT BALL VALVE



Port:	Standard port
Size:	1/4" to 2"
Material:	316 Stainless Steel, Carbon Steel
Ends:	NPT
Pressure:	2000 PSI
Temperature:	500° F

- Blowout Proof Stem
- Lockable Handle Lever or Oval Handle
- RTFE Seats
- Optional Nova Seats for up to 500° F
- 150 lb. Steam Ratings (Saturated) with RTFE Seats

SERIES 50B 2-PIECE FULL PORT 2000 PSI SEAL WELD BALL VALVE



Port: Full Port
 Size: 1/4" to 3"
 Material: 316 Stainless Steel, Carbon Steel
 Ends: NPT
 Pressure: 2000 PSI (1/4" - 2")
 1500 PSI (2-1/2" - 3")
 Temperature: 450° F

- NACE MR0175 Compliant
- Blowout Proof Stem
- Lockable, Lever, Extended or Oval Handle
- Full Port
- RTFE Seats
- Seal Weld

SERIES 50C 2-PIECE 3000 PSI SEAL WELD BALL VALVE



Size: 1/4" to 3"
 Material: 316 Stainless Steel, Carbon Steel
 Ends: NPT
 Pressure: 3000 PSI
 Temperature: 500° F

- API 608
- NACE MR0175 Compliant
- Anti Static Device
- Threaded Ends
- Lockable, Lever, Extended or Oval Handle
- Mounting Pad
- Live Loaded Stem
- Blowout Proof Stem
- Delrin Seats
- Seal Weld

SERIES 50F 2-PIECE 6000 PSI SEAL WELD BALL VALVE



Size: 1/4" to 2"
 Material: 316 Stainless Steel, Carbon Steel
 Ends: NPT
 Pressure: 6000 PSI
 Temperature: 500° F

- API 608
- NACE MR0175 Compliant
- Anti Static Device
- Threaded Ends
- Lockable, Lever, Extended or Oval Handle
- Mounting Pad
- Live Loaded Stem
- Blowout Proof Stem
- Delrin Seats
- Seal Weld

SERIES 10

2-PIECE BRASS BALL VALVE



Port: Full Port
Size: 1/4" to 4"
Material: Brass
Ends: NPT
Pressure: 600 PSI
Temperature: 450° F

- Blowout Proof Stem
- Lockable Handle, Lever or Oval & Handle
- RTFE Seats
- Threaded Ends

SERIES 3903

ECONOMY 3-PIECE BALL VALVE



Port: Full Port
Size: 1/4" to 4"
Material: 316 Stainless Steel, Carbon Steel
Ends: NPT, SW
Pressure: 1000 PSI
Temperature: 450° F

- 3- Piece Design
- Blowout Proof Stem
- Lockable, Lever, Extended or Oval Handle
- Available in Threaded or Socket-Weld Ends
- RTFE Seats

SERIES 5303

ECONOMY 3 PIECE BALL VALVE



Port: Full Port
Size: 1/4" to 4"
Material: 316 Stainless Steel, Carbon Steel
Ends: NPT, SW, BW
Pressure: 1000 PSI
Temperature: 450° F

- Bottom Entry Live Loaded Stem
- Integral Mounting Pad
- Lockable, Lever, Extended or Oval Handle
- Available in Threaded, Socket-Weld Ends, or Buttweld Ends
- RTFE Seats

SERIES 302

200 PSI GATE VALVE



Size: 1/4" to 3"
Material: 316 Stainless Steel
Ends: NPT, SW
Pressure: 200 PSI
Temperature: 350° F

- Threaded and Socket Weld Ends
- Inside Screw and Screwed Bonnet
- Non- Rising Stem
- Screwed Cap
- Integral Seat
- Solid Wedge Disc

SERIES 402

200 PSI GLOBE VALVE



Size: 1/2" to 2"
Material: 316 Stainless Steel
Ends: NPT, SW
Pressure: 200 PSI
Temperature: 350° F

- Threaded and Socket Weld Ends
- Inside Screw and Screwed Bonnet
- Rising Stem
- Screwed Cap
- Integral Seat

SERIES 202

200 PSI SWING CHECK VALVE



Size: 1/4" to 3"
Material: 316 Stainless Steel
Ends: NPT, SW
Pressure: 200 PSI
Temperature: 350° F

- Threaded and Socket Weld Ends
- Screwed Cap
- Integral Seat

SERIES 34

CLASS 800 / 1500 GATE VALVE



Size: 1/4" to 2"
Material: 316L Stainless Steel, Carbon Steel
Ends: NPT, SW, BW

- ASTM A182/F316L
- ASTM A105
- API 602
- NACE MR01075 Compliant
- Bolted Bonnet

SERIES 44

CLASS 800 / 1500 GLOBE VALVE



Size: 1/4" to 2"
Material: 316L Stainless Steel, Carbon Steel
Ends: NPT, SW, BW

- ASTM A182/F316L
- ASTM A105
- API 602
- NACE MR01075 Compliant
- Bolted Bonnet

SERIES 24

CLASS 800 / 1500 PISTON CHECK VALVE



Size: 1/4" to 2"
Material: 316L Stainless Steel, Carbon Steel
Ends: NPT, SW, BW

- ASTM A182/F316L
- ASTM A105
- ASME B 16.34
- NACE MR0175 Compliant
- Bolted Bonnet

SERIES 24834SC

CLASS 800 / 1500 SWING CHECK VALVE



Size: 1/4" to 2"
Material: Carbon Steel
Ends: NPT, SW, BW

- ASTM A105
- ASME B 16.34
- NACE MR0175 Compliant
- Bolted Bonnet

SERIES 35

FLANGED AND BUTT WELD GATE VALVE



Size: 1/2" to 48"*
Material: 316 Stainless Steel, Cast Steel, Alloy 20
Ends: 150#, 300#, 600# Flanged or Butt Weld Ends

- API 600
- API 603
- ASME B16.10
- ASME B 16.5
- Outside Screw and Yoke
- Bolted Bonnet
- Flexible Wedge, Fully Guide
- Integral Seats
- Rising Stem and Non-Rising Hand wheel
- Available with Gear Operator
- Renewable Seat Rings
- Cast Steel Complies with NACE MR0175

SERIES 45

FLANGED AND BUTT WELD GLOBE VALVE



Size: 1/2" to 16"*
Material: 316 Stainless Steel, Cast Steel, Alloy 20
Ends: 150#, 300#, 600# Flanged or Butt Weld Ends

- ASME B16.34
- ASME B16.10
- ASME B16.5
- Outside Screw and Yoke
- Bolted Bonnet
- Rising Stem and Hand wheel
- Yoke Integral with bonnet
- Integral Seat and Back Seat
- Available with Gear Operator
- Cast Steel Complies with NACE MR0175

SERIES 25

FLANGED AND BUTT WELD SWING CHECK VALVE



Size: 1/2" to 48"*
Material: 316 Stainless Steel, Cast Steel, Alloy 20
Ends: 150#, 300#, 600# Flanged or Butt Weld Ends

- ASME B16.34
- ASME B16.10
- ASME B16.5
- Bolted Cover
- Swing Type
- For Horizontal or Vertical Lines
- Integral Seats
- Renewable Seat Rings
- Cast Steel Complies with NACE MR0175

* Depending on Material and Connection

SERIES 12

2-PIECE DIRECT MOUNT BALL VALVE



Port:	Full Port
Size:	1/4" to 2"
Material:	316 Stainless Steel, Carbon Steel
Ends:	NPT, BSPT
Pressure:	2000 PSI
Temperature:	500° F

- Heavy Duty Stem
- Integral ISO 5211 Direct Mounting Pad
- For Pneumatic or Electric Actuators
- Live Loaded Stem with 4 Belleville Washers
- In Service Adjustable Stem Packing Patent No. 6,446,935 B1
- Compact Dependable Automated Assemblies
- Lockable Handle, Lever or Oval (Upon request)

SERIES 13

3-PIECE DIRECT MOUNT BALL VALVE



Port:	Full Port
Size:	1/4" to 4"
Material:	316 Stainless Steel, Carbon Steel
Ends:	NPT, SW, BW
Pressure:	1000 PSI
Temperature:	450° F

- Integral ISO 5211 Direct Mounting Pad
- Uses Pneumatic or Electric Actuators
- In Service Adjustable Stem Packing Patent No. 6,446,935 B1
- Compact Dependable Automated Assemblies
- Live Loaded Stem with 4 Belleville Washers
- Lockable Handle, Lever or Oval (Upon Request)

SERIES 14

2-PIECE BRASS DIRECT MOUNT BALL VALVE



Port:	Full Port
Size:	1/4" to 2"
Material:	Brass
Ends:	NPT
Pressure:	600 PSI
Temperature:	425° F

- In Service Adjustable Stem Packing Patent No. 6,446,935 B1
- Integral ISO 5211 Direct Mounting Pad
- Uses Pneumatic or Electric Actuators
- Available with Manual Handle
- Blow- Out Proof Stem

GEAR OPERATOR



- Nine Sizes
- From 1504 - 26400 In/ lb.
- Fits Series 17 Butterfly Valves
- ISO Bolt Circles
- Cast Iron Body
- Visual Position Indicator
- Can Be Fitted for Chainwheels, other handwheels, or limit switches

SERIES SPN II

PNEUMATIC ACTUATOR



- Traditional Two - piston, rack and pinion design
- Available in Double Acting and Spring Return configurations
- Hard Anodized Aluminum body, Rugged Polyester coated body, with Epoxy Coated End Caps, with optional Nickel Infused coating for sanitary applications
- Standard Temperature Range with Buna O'Rings: -4F to 180F
Kits for low temp (-40F to 80F) and high temperature (+5F – 300F)
- Industry Standard ISO 5211 drilling and NAMUR patterns
- Bi-Directional Travel Stops for +/- 5° adjustment for precise control
- Pinion is specially designed to accept butterfly valve shafts
- With Inserts that allows for Direct Mounting capabilities to Butterfly Valves that have Square, Double D, or Keyed shaft designs
- Mounting plates available, allows for mounting to different industry standard bolt circles

SERIES 4x4

4 PISTON PNEUMATIC ACTUATOR



- Unique Four - piston, rack and pinion design
- Anodized Interior and Exterior aluminum body, Polyurethane painted body, and Epoxy coated end caps
- With Industry Standard ISO 5211 drilling and NAMUR
- Multi-Function Visual Indicator can be used for Three – Way indication
- Bi-Directional Travel Stops for +/- 5° adjustment for precise control
- Available in Double Acting and Spring Return configurations
- Nested spring sets, with appropriate centering rings on piston face and end caps
- Four Pistons allow for shorter travel and faster response times
- Reduced size means less air consumption, reducing costs with quicker response
- Generates more torque for reduced cost, size and air consumption
- Pinion is supported by four pistons; as a result, piston side load is minimized

LIMIT SWITCH



- Rugged powder coated aluminum enclosure
UL / CE rated enclosure
UL / CSA / CE rated switch elements
- NEMA 4 / 4X and NEMA 7/9 enclosures
- Shatterproof dome
- Four different NAMUR brackets available to allow mounting on many actuator combinations
- Cams and bearings on shaft are splined to allow quick adjustment and protected against the effects of vibration
- Mechanical and proximity switch elements available
- Printed circuit board allows for quick, safe and easy wiring
- Also has solenoid termination inside enclosure which eliminates extra cost

SOLENOIDS



- NAMUR style for mounting directly on actuator body
Minimizes connections and reduces overall size
- NEMA 4 and NEMA 7/9 coil arrangements
ATEX and Intrinsically Safe available
- Corrosion resistant body material
- High Flow with Fast Response
- Easily converted from Double Acting (5/2) applications to Spring Return (3/2)
- Manual override standard
- Many voltages available: 12VDC, 24VDC, 24VAC, 120VAC, 240VAC
European voltages available 110VAC, 220VAC
- ½" Conduit DIN connection standard
- UL / CSA rated coils and assembly



Series 50M76 Ball Valves
 Threaded Full Port
 316 Stainless Steel
 1/4" - 3"



**Series N66
 3-Piece Ball Valve**
 Tube Full Port
 316 Stainless Steel
 1/2" - 2"



**150#, 300#, 600#
 Flanged Ball Valves**
 Full & Reduced Port
 Carbon Steel, 316 Stainless & Alloy 20
 1/2" - 12"



**Series 39034 & 39036
 3-Piece Ball Valves**
 Threaded & Socket Weld Full Port
 Carbon Steel & 316 Stainless Steel
 1/4" - 4"



High Performance Ball Valves
 Available in a wide range of materials
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