

Building connections that last™



Sharpe® Valves

Product Catalog

March 2026



Series 10 2-Piece Full Port 600 PSI Brass Ball Valves



Size Range: 1/4" - 4"
Body Material: Forged Brass
Seat Material: PTFE
Ends: Threaded
Max Pressure: 600 PSI CWP, non-shock
Max Temp: 400° F

- ASME B16.11 Threaded Ends
 - Bottom Entry, Blowout Proof Stem Design
 - Lockable Lever Handle
- Option:
- Lockable Oval Handle

Series 588 1-Piece Uni-Body Reduced Port 800 PSI Ball Valves



Size Range: 1/4" - 2"
Body Material: Cast A351 CF8M
Stainless Steel†
Seat Material: PTFE
Ends: Threaded
Max Pressure: 800 PSI CWP, non-shock
Max Temp: 400° F

- ASME B16.11 Threaded Ends
 - Shell & Seat Tested per ASME B16.34
 - Bottom Entry, Blowout Proof Stem Design
 - Lockable Lever Handle
- Option:
- Lockable Oval Handle

† Closest cast equivalent to wrought 316 SS.

Series 58B 1 Piece Uni-Body Reduced Port 2000 PSI Ball Valves



Size Range: 1/4" - 2"
Body Material: Carbon Steel
Seat Material: RTFE
Ends: Threaded
Max Pressure: 2000 PSI CWP,
non-shock
Max Temp: 450° F

- ASME B16.11 Threaded Ends
- ASTM A108 Bar Stock
- NACE MR0175: 2002
- Bottom Entry, Blowout Proof Stem Design
- Lockable Lever Handle

Economy 3-Piece Full Port 1000 PSI Ball Valves Series 3903

Size Range: 1/4" - 2"
Body Materials: 316 Stainless Steel,
Carbon Steel
Seat Material: RTFE
Ends: Threaded, Socket Weld
Max Pressure: 1000 PSI CWP, non-shock
Max Temp: 450° F

- ASME B16.11 Threaded & Socket-Weld Ends
- Shell & Seat Tested per ASME B16.34
- Bottom Entry, Blowout Proof Stem Design
- Lockable Lever Handle

Options:

- Lockable Oval Handle
- Non-Locking Stem Extension



Economy 3-Piece Full Port Ball Valves Series 5303

Size Range: 1/4" - 4"
Body Materials: 316 Stainless Steel,
Carbon Steel
Seat Materials: RTFE
Ends: Threaded, Socket Weld,
Butt Weld
Max Pressure: 1000 PSI CWP 1/4" - 2"
600 PSI CWP 2 1/2" - 4"
Max Temp: 450° F

- ASME B16.11 Threaded & Socket-Weld Ends
- ASME B16.25 Butt-weld Ends
- Shell & Seat Tested per ASME B16.34
- Integral Mounting Pad
- Bottom Entry, Blowout Proof Stem Design
- Lockable Lever Handle

Options:

- Lockable Oval Handle
- Non-Locking Stem Extension



2-Piece Standard Port 2000 PSI Ball Valves Series 5457

Size Range: 1/4" - 2"
Body Materials: 316 Stainless Steel,
Carbon Steel
Seat Materials: RTFE, Nova
Ends: Threaded
Max Pressure: 2000 PSI CWP 1/4" - 1"*
1500 PSI CWP 1 1/4" - 2"*
150 WSP with RTFE Seats
250 WSP with Nova Seats
Max Temp: 500° F*

- ASME B16.11 Threaded Ends
- Shell & Seat Tested per ASME B16.34
- Bottom Entry, Blowout Proof Stem Design
- Lockable Lever Handle

Options:

- Lockable Oval Handle
- Spring Return Handle
- Non-Locking Stem Extension



* Dependent on Size, Body, Seat Material & Valve Design.

Series 50M 2-Piece Full Port 1000 PSI Ball Valves



Size Range: 1/4" - 3"
Body Material: 316 Stainless Steel
Seat Material: PTFE
Ends: Threaded
Max Pressure: 1000 PSI CWP, non-shock
Max Temp: 400° F

- ASME B16.11 Threaded Ends
 - Shell & Seat Tested per ASME B16.34
 - Bottom Entry, Blowout Proof Stem Design
 - Lockable Lever Handle
- Options:**
- Lockable Oval Handle
 - Non-Locking Stem Extension

Series 50B 2-Piece Full Port 2000 / 1500 PSI Seal Weld Ball Valves



Size Range: 1/4" to 3"
Body Materials: 316 Stainless Steel, Carbon Steel
Seat Material: RTFE
Ends: Threaded
Max Pressure: 2000 PSI CWP (1/4" - 2")
 1500 PSI CWP (2 1/2" - 3")
 150 WSP
Max Temp: 450° F

- ASME B16.10 End-to-End Dimensions
 - Shell & Seat Tested per ASME B16.34
 - NACE MR0175: 2002
 - Bottom Entry, Blowout Proof Stem Design
 - Lockable Lever Handle
- Options:**
- Lockable Oval Handle
 - Non-Locking Stem Extension

Series 50C Two-Piece Full Port 3000 PSI Seal Weld Ball Valves



Size Range: 1/4" to 3"
Body Materials: 316 Stainless Steel, Carbon Steel
Seat Materials: Delrin® (NPT), PEEK (SW)
Ends: Threaded or Socket Weld
Max Pressure: 3000 PSI CWP
Max Temp: 500° F PEEK Seats
 180° F Delrin Seats

- ASME B16.11 Threaded & Socket-Weld Ends
- Shell & Seat Tested per ASME B16.34
- NACE MR0175: 2002
- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Anti-Static Device
- Live-Loaded Stem Seal
- Lockable Lever Handle

2-Piece Full Port 6000 PSI Seal Weld Ball Valves Series 50F

Size Range: ½" to 2"
Body Materials: 316 Stainless Steel,
Carbon Steel
Seat Materials: Delrin®
Ends: Threaded
Max Pressure: 6000 PSI CWP, non-shock
Max Temp: 180° F

- ASME B16.11 Threaded Ends
- Shell & Seat Tested per ASME B16.34
- NACE MR0175: 2002
- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Anti-Static Device
- Live-Loaded Stem Seal
- Lockable Lever Handle



Delrin® is a registered trademark of Dupont.

ASME Full Port & Standard Port Flanged Ball Valves Series 50/54 & FS50/FS54

Series 50: Full Port (½"-8")
Series 54: Standard Port (1"-8")
Series FS50: Full Port, Fire-Safe (1 ½"-12")
Series FS54: Std Port, Fire-Safe (1 ½" - 4")
Body Materials: 316 Stainless Steel,
Carbon Steel
Seat Materials: TFM®, RTFE
Ends: CL150, CL300, & CL600 Flanged
Max Pressure: 1480 PSI*
Max Temp: 500° F*

- ASME B16.34 Compliant
- ASME B16.5 Flanges
- ASME B16.10 End-to-End Dimensions
- API 607 (FS Series)
- NACE MR0175: 2002
- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Anti-Static Configuration
- Live-Loaded Stem Seal
- Lockable Lever Handle
- Optional Lockable Stem Extension



* Dependent on Size, Body, Seat Material & Valve Design.

Butterfly Valves Series 17

Size Range: 2"- 48"
Body Materials: Ductile Iron
Disc Materials: 316 Stainless Steel
Seat Materials: Buna-N, EPDM, Viton
Connections: Lug or Wafer
Max Pressure: 2" - 12" rated to 200 PSI*
14" - 48" rated to 150 PSI*
Max Temp: 275° F*

- API 609
- MSS SP-67
- MSS SP-25 Markings
- ISO 5211 Integral Mounting Pad
- Pinless Disc & Stem Design
- One Piece, Epoxy Painted Wafer & Lug Body
- Bidirectional
- Lug is Suitable for Dead-End Service



* Dependent on Size, Body, Seat Material & Valve Design.

Series 84/99 & FS84/FS99 ASME Full Port & Standard Port 3-Piece Ball Valves



Series 99:	Full Port. ASME Class 600 (1/4"-2"), ASME Class 300 (2 1/2" & 3")	
Series 84:	Standard Port. ASME Class 600 (1/4"-2 1/2"), ASME Class 300 (3" & 4")	
Series FS99:	Full Port, Fire-Safe. ASME Class 600 (1/4"-2")	
Series FS84:	Std Port, Fire-Safe. ASME Class 600 (1/4"-2 1/2"), Class 300 (3" & 4")	
Body Materials:	316 Stainless Steel, Carbon Steel, Alloy 20, Hastelloy C	<ul style="list-style-type: none"> • ASME B16.34 Compliant • API 607 (FS Series) • ASME B16.5 Flanges • ASME B16.11 Threaded & Socket-Weld Ends • ASME B16.25 Buttweld Ends • NACE MR0175: 2002 (option) • ISO 5211 Integral Mounting Pad • Blowout Proof Stem Design • Live-Loaded Stem Seal • Encapsulated Body Bolts & Seals • Weldable In-Line without Disassembly of ends** • Lockable Lever Handle
Seat Materials:	PTFE, TFM®, RTFE, Nova	
	<i>Additional Seats for 84/99:</i> Delrin®, UHMWPE, Virgin PEEK	
Seat Materials:	PTFE, TFM®, RTFE, Nova	
Ends:	Threaded, Socket Weld, Butt Weld, or Flanged	
Pressure:	Vacuum to 1480 PSI*	
Temp Range:	-50° to 600° F*	

* Dependent on Size, Body, Seat Material & Valve Design.

** Dependent on Seat Material.

Series 80/89 & FS80/FS89 API 608 Full Port & Standard Port 3-Piece Ball Valves



Series 89:	Full Port. ASME Class 800 (1/4"-2"), ASME Class 300 (2 1/2" & 3")	
Series 80:	Standard Port. ASME Class 800 (1/2"-2 1/2"), ASME Class 300 (3" & 4")	
Series FS89:	Full Port, Fire-Safe. ASME Class 800 (1/4"-2"), ASME Class 300 (2 1/2" & 3")	
Series FS80:	Std Port, Fire-Safe. ASME Class 800 (1/2"-2 1/2"), ASME Class 300 (3" & 4")	
Body Materials:	316 Stainless Steel, Carbon Steel, Alloy 20, SMO 254®	<ul style="list-style-type: none"> • ASME B16.34 Compliant • API 608 Compliant (with Stainless Steel Stem) • API 607 6th Edition (FS Series) • ASME B16.11 Threaded & Socket-Weld Ends • ASME B16.25 Buttweld Ends • NACE MR0175/ISO 15156 (option) • ISO 5211 Integral Mounting Pad • Blowout Proof Stem Design • Live-Loaded Stem Seal • Encapsulated Body Bolts & Seals • Weldable In-Line without Disassembly of Ends** • Unique Lockable Lever Handle • Fugitive Emissions: API 641 1st edition (with all seal codes = I) ISO 15848-1 (with stem packing = I or N)
Seat Materials:	PTFE, TFM®, RTFE, Nova, Super Nova	
	<i>Additional Seats for 80/89:</i> Delrin®, Virgin PEEK	
Ends:	Threaded, Socket Weld, or Butt Weld	
Pressure:	Vacuum to 1970 PSI*	
Temp Range:	-50° to 600° F*	

* Dependent on Size, Body, Seat Material & Valve Design.

** Dependent on Seat Material.

3000 PSI Full Port & Standard Port 3-Piece Ball Valves **Series HP80/HP89**

Series HP89:	Full Port (1/4" - 2 1/2")
Series HP80:	Standard Port (1/4" - 2")
Body Materials:	316 Stainless Steel, Carbon Steel
Seat Materials:	Delrin®, Virgin PEEK
Ends:	Threaded, Socket Weld
Pressure:	Vacuum to 3000 PSI CWP*
Temp Range:	-50° to 600° F*

- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Encapsulated Body Bolts & Seals
- Weldable In-Line without Disassembly of Ends**
- Unique Lockable Lever Handle



* Dependent on Size, Body, Seat Material & Valve Design.

**Dependent on Seat Material

API 608 Full Port & Standard Port Flanged Ball Valves **Series 70/74 & FS70/FS74**

Series 70:	Full Port (1/2" - 4")
Series 74:	Standard Port (1" - 4")
Series FS70:	Full Port, Fire-Safe (1/2" - 4")
Series FS74:	Std Port, Fire-Safe (1" - 4")
Body Materials:	316 Stainless Steel, Carbon Steel, Alloy 20
Seat Materials:	PTFE, TFM®, RTFE, Nova, Super Nova
	<i>Additional Seat for 70/74:</i> Virgin PEEK
Ends:	CL150, CL300 Flanged
Max Pressure:	740 PSI*
Max Temp:	600° F*

- ASME B16.34 Compliant
- API 608 Compliant (with Stainless Steel Stem)
- API 607 6th Edition (FS Series)
- ASME B16.5 Flanges
- ASME B16.10 End-to-End Dimensions
- NACE MR0175/ISO 15156
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- ISO 5211 Integral Mounting Pad
- Unique Lockable Lever Handle
- Integrated Fugitive Emission Ports (Optional)
- Fugitive Emissions:
API 641 1st edition (with all seal codes = I)
ISO 15848-1 (with stem packing = I or N)

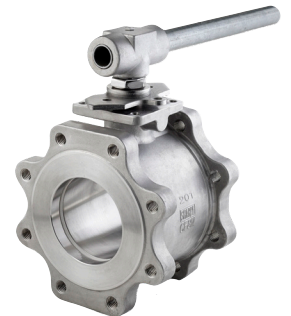


* Dependent on Size, Body, Seat Material & Valve Design.

Lug & Wafer, Uni-Body Design Full Port Ball Valves **Series 40**

Size Range:	2" - 4"
Body Materials:	316 Stainless Steel, Carbon Steel
Seat Materials:	TFM®, RTFE
Ends:	CL150 Flanged
Max Pressure:	285 PSI
Max Temp:	500° F*

- ASME B16.34 - Wall Thickness
- ASME B16.5 Flanges
- NACE MR0175
- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Lockable Handle



* Dependent on Size, Body, Seat Material & Valve Design.

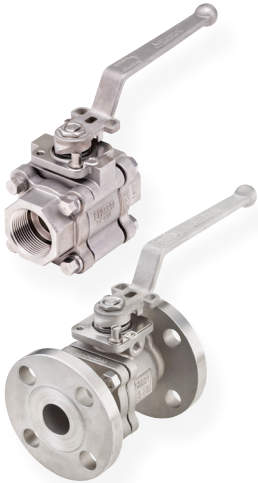
Series 60 ASME Class 2500 Standard Port 3-Piece Ball Valves



Size Range:	1/4" - 2"	<ul style="list-style-type: none"> • ASME B16.34 Compliant • ASME Class 2500 • Integral Mounting Pad • Blowout Proof Stem Design • Live-Loaded Stem Seal • Encapsulated Body Bolts & Seals • Lockable Lever Handle
Body Materials:	316 Stainless Steel, Carbon Steel	
Seat Materials:	Delrin®, PEEK	
Ends:	Threaded, Socket Weld, Butt Weld Sch. 160 or Flanged	
Pressure:	Vacuum to 6000 PSI*	
Temp Range:	-50° to 600° F*	

* Dependent on Size, Body, Seat Material & Valve Design.

Series M80/89 M70/74 ASME Full Port & Standard Port Metal-Seated Ball Valves



Series M89:	Full Port, 3-Piece (1/2"-3")	<ul style="list-style-type: none"> • ASME B16.34 Compliant • FCI 70-2, Class V • ASME B16.5 Flanges • ASME B16.11 Threaded & Socket-Weld Ends • ASME B16.25 Buttweld Ends • ISO 5211 Integral Mounting Pad • Blowout Proof Stem Design • Live-Loaded Stem Seal • Integrated Fugitive Emission Ports (option) • Unique Lockable Lever Handle
Series M80:	Std Port, 3-Piece (1/2"-4")	
Series M70:	Full Port, Flanged (1/2"-4")	
Series M74:	Std Port, Flanged (1"-4")	
Body Materials:	316 Stainless Steel, Alloy 20, Carbon Steel	
Seat Materials:	Stainless Steel, Stellite 6 Coated	
Ends:	Threaded, Socket Weld, Butt Weld, or CL150, CL300 Flanged	
Max Pressure:	1970 PSI Max	
Max Temp:	1000° F Max	

* Dependent on Size, Body, Seat Material & Valve Design.

Series C80/C89 C70/C74 Cryogenic Standard / Full Port Ball Valves



Size Range:	3-Piece: 1/4" - 4" (3" C89) Flanged: 1/2" - 4"	<ul style="list-style-type: none"> • ASME B16.34 • ASME B16.5 Flanges • ASME B16.11 Threaded & Socket-Weld Ends • ASME B16.25 Buttweld Ends • BS 6364 Test Specification Compliant • ISO 5211 Integral Mounting Pad • Blowout Proof Stem Design • Live-Loaded Stem Seal • Encapsulated Body Bolts & Seals • Unique Lockable Lever Handle
Body Material:	316 Stainless Steel	
Seat Materials:	PCTFE (Kel-F®), PTFE, TFM®, RTFE, Nova	
Ends:	Threaded, Socket Weld, Butt Weld, CL150, CL300 Flanged	
Max Pressure:	1480 PSI*	
Min Temp:	-400° F*	

* Dependent on Size, Body, Seat Material & Valve Design.

TFM® is a registered trademark of Dyneon • PCTFE is frequently referred to as 3M's discontinued KEL-F® Brand.

3-Piece V-Port Control Valves Series V84

Port:	15° V, 30° V or 60° V (Special Configurations Available)
Size Range:	1/4" - 4"
Body Materials:	316 Stainless Steel, Carbon Steel
Seat Materials:	PTFE, TFM®, RTFE, Nova, Delrin®, PEEK, UHMWPE
Ends:	Threaded, Socket Weld, Butt Weld, or Flanged
Max Pressure:	Vacuum to 1480 PSI*
Temp Range:	-50° to 600° F*

- ASME B16.34
- ASME Class 600 1/4" - 2 1/2"
- ASME Class 300 3" - 4"
- ASME B16.5 Flanges
- ASME B16.11 Threaded & Socket-Weld Ends
- ASME B16.25 Butt-weld Ends
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Encapsulated Body Bolts & Seals
- Weldable in-line without disassembly of ends**
- 15°, 30° & 60° "V" Balls
- "No Play" Coupler (option)



* Dependent on Size, Body, Seat Material & Valve Design.

** Dependent on Seat Material.

ASME 3-Piece Ball Valves for Steam & Thermal Fluids Series W84/W99

Series W99:	Full Port. ASME Class 600 (1/4"-2"), ASME Class 300 (2 1/2" & 3")
Series W84:	Standard Port. ASME Class 600 (1/4"-2 1/2"), ASME Class 300 (3" & 4")
Body Materials:	316 Stainless Steel, Carbon Steel
Seat Materials:	Nova, Virgin PEEK
Ends:	Threaded, Socket Weld & Butt Weld
Max Pressure:	500 PSI - Maximum Working Steam Pressure*
Max Temp:	600° F for Thermal Fluids*

- ASME B16.34 Compliant
- ASME B16.11 Threaded & Socket-Weld Ends
- ASME B16.25 Butt-weld Ends
- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Encapsulated Body Bolts & Graphite Seals
- Weldable in-line without Disassembly of Ends**
- Lockable Lever Handle



* Dependent on Size, Body, Seat Material & Valve Design.

** Dependent on Seat Material.

ASME 3-Piece Ball Valves for Chlorine Series CL84/CL99

Series CL99:	Full Port, Class 600 (1/4"-2")
Series CL99:	Full Port, Class 300 (2 1/2" & 3")
Series CL84:	Std Port, Class 600 (1/4"-2 1/2")
Series CL84:	Std Port, Class 300 (3" & 4")
Body Material:	Carbon Steel
Seat Materials:	PTFE, TFM®, RTFE, Nova,
Ends:	Threaded, Socket Weld, Butt Weld, CL150, CL300, CL600, Flanged
Max Pressure:	1480 PSI*
Max Temp:	550° F*

- ASME B16.34 Compliant
- ASME B16.5 Flanges
- ASME B16.11 Threaded & Socket-Weld Ends
- ASME B16.25 Butt-weld Ends
- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Encapsulated Body Bolts & Seals
- Weldable in-line without
Disassembly of Ends**
- Degreased and Sealed in a Bag for
Chlorine Applications
- Tank Pad Made From Solid Bar
- Lockable Lever Handle



* Dependent on Size, Body, Seat Material & Valve Design.

** Dependent on Seat Material.

Series D84 3-Piece Standard Port Diverter Ball Valves



Size Range:	1/2" - 4"	• ISO 5211 Integral Mounting Pad
Body Materials:	316 Stainless Steel, Carbon Steel	• Blowout Proof Stem Design
Seat Materials:	PTFE, TFM®, RTFE, UHMWPE, Nova, Delrin®, PEEK	• Live-Loaded Stem Seal
Ends:	Threaded, Socket Weld, or Butt Weld	• Encapsulated Body Bolts & Seals
Max Pressure:	1480 PSI*	• Weldable in-line without Disassembly of Ends**
Max Temp:	600° F*	• Bottom or Side Port Entry
		• Lockable Lever Handle

* Dependent on Size, Body, Seat Material & Valve Design.

Series D88 3-Piece High Purity Full Port Tube Diverter Ball Valves



Size Range:	1/2" - 4"	• ISO 5211 Integral Mounting Pad
Body Material:	316L Stainless Steel	• Blowout Proof Stem Design
Seat Materials:	PTFE, TFM®, RTFE, PTFE Cavity Filler	• Live-Loaded Stem Seal
Ends:	Clamp, Butt Weld Tube Extended, Butt Weld Tube Short	• Encapsulated Body Bolts & Seals
Max Pressure:	1200 PSI*	• Bottom or Side Port Entry
Max Temp:	500° F*	• All Wetted Parts Polished to 14-18 Ra
		• Lockable Lever Handle
		• Purge Ports (option)

* Dependent on Size, Body, Seat Material & Valve Design.

Series D54 ASME Class 150, Flanged, Standard Port, Diverter Ball Valves



Size Range:	1" - 4"	• ASME B16.34
Body Materials:	316 Stainless Steel, Carbon Steel	• ASME B16.5 Flanges
Seat Materials:	TFM®, PTFE, Nova	• ASME B16.10 End-to-End Dimensions
Ends:	CL150 Flanged	• ISO 5211 Integral Mounting Pad
Max Pressure:	285 PSI	• Blowout Proof Stem Design
Max Temp:	550° F*	• Live-Loaded Stem Seal
		• Lockable Lever Handle

* Dependent on Size, Body, Seat Material & Valve Design.

3-Way Full Port Ball Valves Series 76

Size Range: 1/4" - 2"
Body Material: 316 Stainless Steel
Seat Materials: PTFE, TFM®
Ends: Threaded
Max Pressure: 1000 PSI CWP, non-shock
Max Temp: 450° F

- ASME B16.11 Threaded Ends
- 4 Seat Design
- Direct Mount ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- 10 Different Flow Configurations
- "L", or "T" Port Solid Ball
- Lockable Lever Handle



TFM® is a registered trademark of Dyneon.

3-Way and 4-Way Full port Ball Valves Series 77

Size Range: 1/4" - 4"
Body Material: 316 Stainless Steel
Seat Materials: TFM®, TFM® Cavity Filler
Ends: Threaded, Socket Weld, Butt Weld, or CL150, CL300 Flanged
Max Pressure: 600 PSI CWP, non-shock
Max Temp: 500° F

- ASME B16.5 Flanges
- ASME B16.11 Threaded & Socket-Weld Ends
- ASME B16.25 Buttweld Ends
- 4 Seat Design
- Direct Mount ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- 14 Different Flow Configurations
- "L", "T" or "LL" Port Solid Ball
- Lockable Lever Handle



Series N66 3-Piece Economy Three-Piece Full Port Tube Ball Valves



Size Range:	1/2" - 4"
Body Material:	316 Stainless Steel
Seat Materials:	TFM®, PTFE Cavity Fillers
Ends:	Clamp, Butt Weld Tube Extended, Butt Weld Tube Short
Max Pressure:	1000 PSI CWP 1/2" - 2"* 600 PSI CWP 2 1/2" - 4"*
Max Temp:	450° F*

- ISO 5211 Integral Mounting Pad
 - Blowout Proof Stem Design
 - Live-Loaded Stem Seal
 - Lockable Lever Handle
- Options:**
- Lockable Oval Handle

* Dependent on Size, Body, Seat Material & Valve Design.

Series 66 3-Piece High Purity Full Port Tube Ball Valves



Size Range:	1/2" - 4"
Body Material:	316L Stainless Steel
Seat Materials:	PTFE, TFM®, RTFE, PTFE Cavity Fillers
Ends:	Clamp, Butt Weld Tube Extended, Butt Weld Tube Short
Max Pressure:	1200 PSI*
Max Temp:	500° F*

- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Encapsulated Body Bolts & Seals
- Lockable Lever Handle

* Dependent on Size, Body, Seat Material & Valve Design.

Series 88 3-Piece High Purity BPE Compliant Full Port Tube Ball Valves



Size Range:	1/4" - 4"
Body Material:	316L Stainless Steel
Seat Materials:	PTFE, TFM®, RTFE, PTFE Cavity Fillers
Ends:	Clamp, Butt Weld Tube Extended, Butt Weld Tube Short
Max Pressure:	1200 PSI*
Max Temp:	500° F*

- ASME/BPE - 2009 Compliant (Tube and Tri-Clamp Ends only)
- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Encapsulated Body Bolts & Seals
- All Wetted Parts Polished to 14-18 Ra
- Lockable Lever Handle
- 8-10 Ra Electropolish (option)
- Purge Ports (option)

* Dependent on Size, Body, Seat Material & Valve Design.

TFM® is a registered trademark of Dyneon • Delrin® is a registered trademark of Dupont • Kel-F® is a registered trademark of 3M.

3-Piece Instrumentation Ball Valves **Series 86**

Size Range: 1/4" - 1"
Body Material: 316L Stainless Steel
Seat Materials: PTFE, TFM®, RTFE,
PTFE Cavity Filler
Ends: Instrumentation,
Threaded
Max Pressure: 1200 PSI*
Max Temp: 500° F*

- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Encapsulated Body Bolts & Seals
- Lockable Lever Handle



* Dependent on Size, Body, Seat Material & Valve Design.

Flush Bottom Tank Standard / Full Port Ball Valves **Series FB**

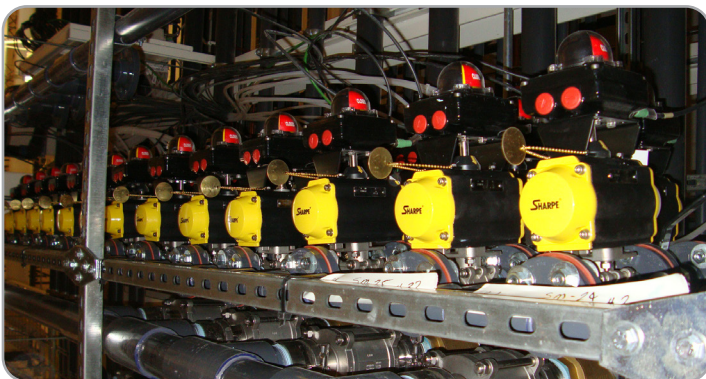
Size Range: 1" - 4"
(3" 99/89 Series)
Body Materials: 316L Stainless Steel
Ends: Threaded, Socket Weld
& Butt Weld, Clamp,
Extended Butt Weld,
CL150, CL300 Flanged
Max Pressure: 1480 PSI*
Temp Range: -50° to 600° F*

- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Encapsulated Body Bolts & Seals
- Weldable in-line without
Disassembly of Ends**
- Tank Pad Made From Solid Bar
- Lockable Lever Handle



* Dependent on Size, Body, Seat Material & Valve Design.

** Dependent on Seat Material.



Series 11 2-Piece Full Port Direct Mount Ball Valves



Pictured with 4x4 Actuator

Size Range:	1/4" - 2"
Body Material:	316 Stainless Steel
Seat Material:	TFM®
Ends:	Threaded
Max Pressure:	1000 PSI CWP, non-shock 150 WSP
Max Temp:	450° F

- ASME B16.11 Threaded Ends
- Shell & Seat Tested per ASME B16.34
- Direct Mount ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Low Profile, Space Saving, Dependable Automated Assemblies

Series 12 DIR-ACT™ 2-Piece Full Port Direct Mount Ball Valves



Pictured with SPNII Actuator

Size Range:	1/4" - 2"
Body Materials:	316 Stainless Steel, Carbon Steel
Seat Material:	TFM®
Ends:	Threaded
Max Pressure:	1500 PSI CWP 150 WSP
Max Temp:	450° F

- ASME B16.11 Threaded & Socket-Weld Ends
- Shell & Seat Tested per ASME B16.34
- Direct Mount ISO 5211 Integral Mounting Pad
- Low Profile, Space Saving, Actuated Ball Valve
- Innovative Stem Packing System
- Quick, efficient stem packing adjustments with the actuator installed and the pipeline pressurized
- Full Port
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Lockable Lever Handle

Series 13 DIR-ACT™ 3-Piece Full Port Direct Mount Ball Valves



Pictured with SEA Actuator

Size Range:	1/4" - 4"
Material:	316 Stainless Steel
Seat Materials:	TFM®, RTFE
Ends:	Threaded, Socket Weld, Butt Weld
Max Pressure:	1000 PSI CWP 1/4" - 2" 600 PSI CWP 2 1/2" - 4" 150 WSP
Max Temp:	450° F

- ASME B16.11 Threaded & Socket-Weld Ends
- ASME B16.25 Buttweld Ends
- Shell & Seat Tested per ASME B16.34
- Direct Mount ISO 5211 Integral Mounting Pad
- Low Profile, Space Saving, Actuated Ball Valve
- Innovative Stem Packing System
- Quick, efficient stem packing adjustments with the actuator installed and the pipeline pressurized
- Full Port
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Lockable Lever Handle

Pneumatic Actuator Series SPN II

- Traditional Two-piston rack and pinion design
- Available in Double Acting and Spring Return configurations
- Anodized Hardening & Epoxy Coated Body and Epoxy Coated End Caps, Optional Nickel Infused Coating for Sanitary Applications.
- Standard Temperature Range with Buna O-Rings: -4°F to 180°F
- EPDM Kits for Temperatures from -40°F to 300°F
- Industry Standard ISO 5211 drilling and NAMUR patterns
- Bi-Directional Travel Stops for $\pm 5^\circ$ adjustment for precise control
- Pinion is designed with inserts that allow the SPNII to be direct mounted to several Sharpe valves and other brands that have Square, Double D, or Keyed shaft/stem designs
- Adapter plates available, allows for mounting to different industry standard bolt circles



Four-Piston Pneumatic Actuator Series 4x4

- Unique Four-piston rack and pinion design
- Anodized Interior and Exterior aluminum body with Epoxy Coated End Caps
- Industry Standard ISO 5211 drilling and NAMUR patterns
- Multi-Function Visual Indicator can be used for Three-Way indication
- Bi-Directional Travel Stops for $\pm 5^\circ$ 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



Electric Actuator SEA

- Enclosure: IP67, Dust-tight, weather-tight, Type 4,4x
- Enclosure Material: Polyester powder-coated aluminum alloy
- Motor: Standard extended duty cycle induction motor with class F insulation for all models. Built-in thermal protector prevents the motor from overheating and burnout. Standard unit is 120VAC with a 30% duty cycle. See data sheet for other available options
- Position Indicator: SEA3 through SEA310 have continuous mechanical position indicator on the top of the actuator cover
- Manual Override: Non-clutch design type allows for manual operation without needing a lever, clutch or brake upon loss of power.
- Gear Train: Lubricated, high alloy steel gear trains provide self-locking function to avoid back drive
- Working Conditions: -22° F to 149° F / Humidity 30% - 95%
- Certifications: CE / CSA (conforming to the test standard for outdoor use)
- Various Options: Heaters, additional limit switches, various voltages, thermostats, 75% duty rating. See data sheet for more information.



Series YT-870L Rotary Limit Switch Box



- General Location: Type 4, 4x; IP67
Hazardous Location : CSA, ATEX, IECEx, CE
- Polyester powder coated aluminum housing
- 2-Mechanical switches
- Temperature range -4 to 140°F (-20 to 60°C)
- Standard NAMUR mounting. NAMUR brackets available.

Series 210LS Rotary Limit Switch Box



- General Location: Type 4, 4x; IP67
- Polyester powder coated aluminum housing
- 2-Mechanical switches
- Temperature range -4 to 176°F (-20 to 80°C)
- Standard NAMUR mounting. NAMUR brackets available.

Solenoid Valves



- Aluminum Body
- NBR Seals
- Manual Override
- High Flow: 1.8 CV
- 1/2" NPT Conduit Connection to Coil
- 1/4" NPT Port Size
- Changeable between Double Acting and Spring Return
- Coils are CSA certified to CSA/UL standards. Type 4,4x.
- Option: CSA and FM Hazardous location type available.
- 5 voltages options available.

- Thirteen sizes available
- From 1,500 - 133,000 lbf-in
- ISO 5211 Bolt Circle
- Cast Iron Body
- Visual Position Indicator



200 PSI Gate Valves Series 3027

Size Range: 1/4" - 2"
Body Material: 316 Stainless Steel
Ends: Threaded, Socket Weld
Max Pressure: 200 PSI CWP, non-shock
125 PSI Saturated Steam
Max Temp: 350° F

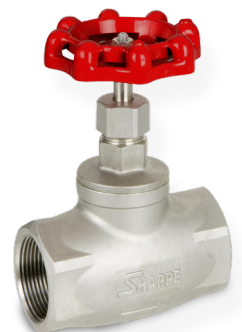
- Hydrostatic Shell Test at 300 PSI
- Hydrostatic Seat Test at 220 PSI
- Screwed Bonnet
- Non-Rising Stem
- Solid Wedge Disc
- Integral Seat



200 PSI Globe Valves Series 4027

Size Range: 1/2" - 2"
Body Material: 316 Stainless Steel
Ends: Threaded, Socket Weld
Max Pressure: 200 PSI CWP, non-shock
Max Temp: 350° F

- Hydrostatic Shell Test at 300 PSI
- Hydrostatic Seat Test at 220 PSI
- Screwed Bonnet
- Non-Rising Stem
- Solid Wedge Disc



Series 2027 200 PSI Swing Check Valves



Size Range:	1/4" - 3"
Body Material:	316 Stainless Steel
Ends:	Threaded, Socket Weld
Max Pressure:	200 PSI CWP, non-shock
Max Temp:	350° F

- Hydrostatic Shell Test at 300 PSI
- Screwed Cap

Series 3483 Class 800 Forged Gate Valves



Size Range:	1/4" - 2"
Body Materials:	Forged Stainless Steel (316L), Forged Steel
Trim Material(s):	Forged Steel - Trim #8
Seat:	A276-410 + H/F STL
Disc:	A276-410
Back Seat:	A105
Stem:	A276-410
	Forged Stainless Steel - Trim #12
Seat:	A276 316 + STL
Disc:	A276 316
Back Seat:	A182-F316
Stem:	A276 316
Gasket Material(s):	
Forged Stainless Steel:	316 + Graphite
Forged Steel:	304 + Graphite
Ends:	Threaded, Socket Weld
Max Pressure:	1975 PSI A105/1600 PSI A182
Max Temp:	850° F A182/800° F A105

- ASME Class 800
- ASME B16.11 Threaded & Socket-Weld Ends
- ASME B1.20.1
- API 598 - Inspection & Testing
- API 602 9th Edition
- NACE MR0175: 2002
- Bolted Bonnet
- Rising Stem

Series 4483 Class 800 Forged Globe Valves



Size Range:	1/4" - 2"
Body Materials:	Forged Stainless Steel (316L), Forged Steel
Trim Material(s):	Forged Steel - Trim #8
Seat:	A105 + H/F STL
Disc:	A276-410
Back Seat:	A105
Stem:	A276-410
	Forged Stainless Steel - Trim #12
Seat:	A182 F316 + STL
Disc:	A276 316
Back Seat:	A182-F316
Stem:	A276 316
Gasket Material(s):	
Forged Stainless Steel:	316 + Graphite
Forged Steel:	304 + Graphite
Ends:	Threaded, Socket Weld
Max Pressure:	1975 PSI A105/1600 PSI A182
Max Temp:	850° F A182/800° F A105

- ASME Class 800
- ASME B16.11 Threaded & Socket-Weld Ends
- ASME B1.20.1
- API 598 - Inspection & Testing
- API 602 9th Edition
- NACE MR0175: 2002
- Bolted Bonnet
- Rising Stem

Class 800 Forged Piston Check & Swing Check Valves Series 2483, 2483SC

Series 2483:	Piston Check Valve (1/4"-2")
Series 2483SC:	Swing Check Valve (1/4"-2")
Body Materials:	Forged Stainless Steel (316L), Forged Steel
Trim Material(s):	Forged Steel – Trim #8
Seat:	A105 + H/F STL
Disc:	A276-410 Forged Stainless Steel – Trim #12
Seat:	A182 F316 + STL
Disc:	A276 316
Gasket Material(s):	
Forged Stainless Steel:	316 + Graphite
Forged Steel:	304 + Graphite
Ends:	Threaded, Socket Weld
Max Pressure:	1975 PSI A105/1600 PSI A182
Max Temp:	850° F A182/800° F A105

- ASME Class 800
- ASME B16.11 Threaded & Socket-Weld Ends
- ASME B1.20.1
- API 598 – Inspection & Testing
- API 602 9th Edition
- NACE MR0175: 2002
- Bolted Bonnet



ASME Flanged Metal Seated Gate Valves Series 35

Model 35-114:	WCB CS, CL150 (2"-24")
Model 35-314:	WCB CS, CL300 (2"-24")
Model 35-614:	WCB CS, CL600 (2"-24")
Model 35-116:	CF8M SS, CL150 (1/2"-24")
Model 35-316:	CF8M SS, CL300 (1/2"-24")
Body Materials:	316 Stainless Steel, Carbon Steel
Trim Material(s):	Stainless Steel Steel
Trim #10	Trim #8
Seat:	A351 CF8M A105 + H/F STL
Disc/Wedge:	A351 CF8M WCB + H/F 410
Back Seat:	A351 CF8M A276-410
Stem:	A182 F316 A182-F6a
Bonnet Gasket Material(s):	
Stainless Steel:	RTFE or SS + Flexible Graphite
Cast Steel:	SS + Flexible Graphite
Ends:	CL150, CL300, CL600 Flanged
Max Pressure:	1480 PSI*
Max Temp:	1000° F*

- ASME B16.34 Compliant
 - ASME B16.5 Flanges
 - ASME B16.10 End-to-End Dimensions
 - API 598 – Inspection & Testing
 - API 600 e12 (Cast Steel)
 - API 603 e8 (Stainless Steel)
 - NACE MR0175: (Cast Steel Only)
 - Outside Screw and Yoke
 - Bolted Bonnet
 - Rising Stem and Non-Rising Handwheel
 - Flexible Wedge, Fully Guided
 - Integral Seat
- * Dependent on ASME Class Rating



ASME Flanged Metal Seated Globe Valves Series 45

Model 45-114:	WCB CS, CL150 (2"-16")
Model 45-314:	WCB CS, CL300 (2"-16")
Model 45-614:	WCB CS, CL600 (2"-12")
Model 45-116:	CF8M SS, CL150 (1/2"-16")
Model 45-316:	CF8M SS, CL300 (1/2"-16")
Body Materials:	316 Stainless Steel, Carbon Steel
Trim Material(s):	Stainless Steel Steel
Trim #10	Trim #8
Seat:	A351 CF8M A105 + H/F STL
Disc/Wedge:	A351 CF8M WCB + H/F 410
Back Seat:	A351 CF8M A276-410
Stem:	A182-F316 A182-F6a
Bonnet Gasket Material(s):	
Stainless Steel:	RTFE, or SS + Flexible Graphite
Cast Steel:	SS + Flexible Graphite
Ends:	CL150, CL300, CL600 Flanged
Max Pressure:	1480 PSI*
Max Temp:	1000° F*

- ASME B16.34 Compliant
 - ASME B16.5 Flanges
 - ASME B16.10 End-to-End Dimensions
 - API 598 – Inspection & Testing
 - NACE MR0175: (Cast Steel Only)
 - Outside Screw and Yoke
 - Yoke Integrated with Bonnet
 - Bolted Bonnet
 - Rising Stem and Non-Rising Handwheel
 - Floating Disc
 - Welded Seat
- * Dependent on ASME Class Rating



Series 25 ASME Flanged Metal Seated Swing Check Valves



Model 25-114: WCB CS, CL150 (2"-24")
Model 25-314: WCB CS, CL300 (2"-24")
Model 25-614: WCB CS, CL600 (2"-24")
Model 25-116: CF8M SS, CL150 (1/2"-24")
Model 25-316: CF8M SS, CL300 (1/2"-24")
Body Materials: 316 Stainless Steel, Carbon Steel

Trim Material(s):

Stainless Steel: Trim #10
Seat: A351 CF8M
Disc: A351 CF8M
Cast Steel: Trim #8
Seat: A105 + H/F STL
Disc: A105 + H/F 410 (2"-14")
WCB + H/F 410 (16" & Larger)

Cover Gasket Material(s):

Stainless Steel: RTFE, or SS + Flexible Graphite
Cast Steel: SS + Flexible Graphite
Ends: CL150, CL300, CL600 Flanged
Max Pressure: 1480 PSI*
Max Temp: 1000° F*

* Dependent on ASME Class Rating

- ASME B16.34
- ASME B16.5 Flanges
- ASME B16.10 End-to-End Dimensions
- API 598 - Inspection & Testing
- NACE MR0175: (Cast Steel Only)
- Swing Type
- Bolted Cover
- Integral Seat

About ASC Engineered Solutions

ASC Engineered Solutions is defined by quality—in its products, services and support. With nearly 2,000 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruvlok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF®, SprinkFLEX®, Trenton Pipe and VEP. With headquarters in Oak Brook, IL, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



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