

Sharpe® Valve Solutions 2019



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



Size Range: 1/4" - 4"

Body Material: Forged Brass

Seat Material: PTFE

Ends: Threaded

Max Pressure: 600 CWP

Max Temp: 400° F

- ANSI/ASME B16.11
- Bottom Entry, Blowout Proof Stem Design
- Lockable Lever Handle

OPTIONS:

- Lockable Oval Handle

Series 58 1-Piece Uni-Body Reduced Port 800 PSI Ball Valve



Size Range: 1/4" - 2"

Body Material: 316 Stainless Steel

Seat Material: PTFE

Ends: Threaded

Max Pressure: 800 CWP

Max Temp: 400° F

- ANSI/ASME B16.11
- ANSI/ASME B16.34
- Bottom Entry, Blowout Proof Stem Design
- Lockable Lever Handle

OPTIONS:

- Lockable Oval Handle

Series 58B7 1-Piece Uni-Body Reduced Port 2000 PSI Ball Valve



Size Range: 1/4" - 2"

Body Material: Carbon Steel

Seat Material: RTFE

Ends: Threaded

Max Pressure: 2000 CWP

Max Temp: 450° F

- ANSI/ASME B16.11
- ASTM A108
- NACE MR0175: 2002
- Bottom Entry, Blowout Proof Stem Design
- Lockable Lever Handle

Economy 3-Piece Full Port 1000 PSI Ball Valve **Series 3903**

Size Range: 1/4" - 2"

Body Materials: 316 Stainless Steel,
Carbon Steel

Seat Material: RTFE

Ends: Threaded, Socket Weld

Max Pressure: 1000 CWP

Max Temp: 450° F

- ANSI/ASME B16.11
- ANSI/ASME B16.34 - Shell & Seat Pressure Test
- Bottom Entry, Blowout Proof Stem Design
- Lockable Lever Handle

OPTIONS:

- Lockable Oval Handle
- Non-Locking Stem Extension



Economy 3-Piece Full Port Ball Valve **Series 5303**

Size Range: 1/4" - 4"

Body Materials: 316 Stainless Steel,
Carbon Steel

Seat Materials: PTFE

Ends: Threaded, Socket Weld,
Butt Weld

Max Pressure: 1000 CWP 1/4" - 2"
600 CWP 2 1/2" - 4"

Max Temp: 450° F

- ANSI/ASME B16.11
 - ANSI/ASME B16.25
 - ANSI/ASME B16.34 - Shell & Seat Pressure Test
 - 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 Valve **Series 5457**

Size Range: 1/4" - 2"

Body Materials: 316 Stainless Steel,
Carbon Steel

Seat Materials: RTFE, Nova

Ends: Threaded

Max Pressure: 2000 CWP 1/4" - 1"*
1500 CWP 1 1/4" - 2"*

Max Temp: 500° F*

- ANSI/ASME B16.11
- ANSI/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 Valve



Size Range: 1/4" - 3"

Body Material: 316 Stainless Steel

Seat Material: RTFE

Ends: Threaded

Max Pressure: 1000 CWP

Max Temp: 450° F

- ANSI/ASME B16.11
- ANSI/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 Valve



Size Range: 1/4" to 3"

Body Materials: 316 Stainless Steel,
Carbon Steel

Seat Material: RTFE

Ends: Threaded

Max Pressure: 2000 CWP (1/4" - 2")
1500 CWP (2 1/2" - 3")
150 WSP

Max Temp: 450° F

- ANSI/ASME B16.10
- ANSI/ASME B16.34 - Shell & Seat Pressure Test
- NACE MR0175: 2002
- Bottom Entry, Blowout Proof Stem Design
- Lockable Lever Handle

OPTIONS:

- Lockable Oval Handle
- Non-Locking Stem Extension

Series 50C 2-Piece Full Port 3000 PSI Seal Weld Ball Valve



Size Range: 1/4" to 3"

Body Materials: 316 Stainless Steel,
Carbon Steel

Seat Materials: Delrin® (NPT), PEEK (SW)

Ends: Threaded & Socket Weld

Max Pressure: 3000 CWP

Max Temp: 500° F PEEK Seats
180° F Delrin Seats

- ANSI/ASME B16.11
- ANSI/ASME B16.34 - Shell & Seat Pressure Test
- 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 Valve **Series 50F**

Size Range: 1/4" to 2"

Body Materials: 316 Stainless Steel,
Carbon Steel

Seat Materials: Delrin®

Ends: Threaded

Max Pressure: 6000 CWP

Max Temp: 180° F

- ANSI/ASME B16.11
- ANSI/ASME B16.34 - Shell & Seat Pressure Test
- NACE MR0175: 2002
- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Anti-Static Device
- Live-Loaded Stem Seal
- Lockable Lever Handle



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Flanged 2-Pc Full Port/1-Pc Standard Port Ball Valve **Series 50/54 & FS50/FS54**

Size Range: 50 Series: 1/2" - 8"
54 Series: 1 1/2" - 8"
FS50 Series: 1/2" - 12"
FS54 Series: 1 1/2" - 4"

Body Materials: 316 Stainless Steel,
Carbon Steel

Seat Materials: TFM®, RTFE

Ends: 150#, 300# & 600# Flanged

Max Pressure: 1480 PSI*

Max Temp: 500° F*

- ANSI/ASME B16.34
- ANSI/ASME B16.5
- ANSI/ASME B16.10
- API 607 4th Edition (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 Valve **Series 17**

Size Range: 2" - 48"

Body Materials: Ductile Iron

Disc Materials: 316 Stainless Steel

Seat Materials: Buna-N, EPDM

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 3-Piece Standard/Full Port Ball Valve



Size Range: 1/4" to 4" 84
1/4" to 2-1/2" FS84
1/4" to 3" 99
1/4" to 2" FS99

Body Materials: 316 Stainless Steel, Carbon Steel, Alloy 20, Hastelloy C

**84/99
Seat Materials:** PTFE, TFM®, RTFE, Nova, Delrin®, UHMWPE, Virgin Peek

**FS84/FS99
Seat Materials:** PTFE, TFM®, RTFE, Nova

Ends: Threaded, Socket Weld, Butt Weld & Flanged End Options

Max Pressure: Vacuum to 1480 PSI*

Max Temp: -50° to 600° F*

- ANSI/ASME Class 600; 84/FS84 Series up to 2-1/2" 99/FS99 Series up to 2"
- ANSI/ASME Class 300; 84/FS84 Series 3" & 4" 99 Series 2-1/2" & 3"
- API 607 4th Edition (FS Series)
- ANSI/ASME B16.5
- ANSI/ASME B16.11
- ANSI/ASME B16.25
- ANSI/ASME B16.34
- NACE MR0175: 2002 (Optional)
- 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

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

**Dependent on Seat Material.

Series 80/89 & FS80/FS89 3-Piece Standard/Full Port Ball Valve

API 608



Size Range: 1/4" to 4" 80/FS80
1/4" to 3" 89/FS89

Body Materials: 316 Stainless Steel, Carbon Steel, Alloy 20, SMO 254®

**80/89
Seat Materials:** PTFE, TFM®, RTFE, Nova, Super Nova, Delrin®, Virgin Peek

**FS84/FS99
Seat Materials:** PTFE, TFM®, RTFE, Nova, Super Nova

Ends: Threaded, Socket Weld & Butt Weld

Max Pressure: Vacuum to 1970 PSI*

Max Temp: -50° to 600° F*

- ANSI/ASME Class 800; 80/FS80 Series up to 2-1/2", 89/FS89 Series up to 2"
- ANSI/ASME Class 300; 80/FS80 Series 3" & 4", 89/FS89 Series 2-1/2" & 3"
- API 608 Compliant (with Stainless Steel Stem)
- API 607 6th Edition (FS Series)
- ANSI/ASME B16.11
- ANSI/ASME B16.25
- ANSI/ASME B16.34
- NACE MR0175/ISO 15156
- 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.

3-Piece Standard/Full Port Ball Valve **Series HP80/HP89**

Size Range: 1/4" to 2-1/2" HP80
1/4" to 2" HP89

Body Materials: 316 Stainless Steel,
Carbon Steel

Seat Materials: Delrin®, Virgin Peek

Ends: Threaded, Socket Weld

Max Pressure: Vacuum to 3000 PSI*

Max Temp: -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 Flanged 2-Pc Full Port/1-Pc Std Port Ball Valve **Series 70/74 & FS70/FS74**

Size Range: 1/2" to 4" - 70/FS70
1" to 4" - 74/FS74

Body Materials: 316 Stainless Steel,
Carbon Steel, Alloy 20

70/74
Seat Materials: PTFE, TFM®, RTFE,
Nova, Super Nova,
Virgin PEEK

FS70/FS74
Seat Materials: PTFE, TFM®, RTFE,
Nova, Super Nova,

Ends: 150#, 300# Flanged

Max Pressure: 740 PSI*

Max Temp: 600° F*

- API 608 Compliant (with Stainless Steel Stem)
- API 607 6th Edition (FS Series)
- ANSI/ASME B16.34
- ANSI/ASME B16.5
- ANSI/ASME B16.10
- 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)



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

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

Size Range: 1/2" - 8"

Body Materials: 316 Stainless Steel,
Carbon Steel

Seat Materials: TFM®, RTFE

Ends: 150# Flanged

Max Pressure: 285 PSI

Max Temp: 500° F*

- ANSI/ASME B16.34 - Wall Thickness
- ANSI/ASME B16.5
- 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 3-Piece High pressure Ball Valve Standard Port



Size Range: 1/4" - 2"

Body Materials: 316 Stainless Steel, Carbon Steel

Seat Materials: Delrin®, PEEK

Ends: Threaded, Socket Weld, Butt Weld Sch. 160 & Flanged End Options

Max Pressure: Vacuum to 6000 PSI*

Max Temp: -50° to 600° F*

- ANSI/ASME Class 2500
- ANSI/ASME B16.34
- NACE MR0175: 2002 (Optional)
- 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 M80/89 M70/74 Metal Seated Standard/Full Port Ball Valves



Size Range:

3-Piece: 1/4" to 4" (3" M89)

Flanged: 1/2" to 4" (Larger Sizes POA)

Body Materials: 316 Stainless Steel, Alloy 20, Carbon Steel

Seat Materials: Stainless Steel, Stellite 6 Coated

Ends: Threaded, Socket Weld, Butt Weld, 150#, 300# Flanged

Max Pressure: 1970 PSI Max

Max Temp: 1000° F Max

- ANSI/ASME FCI 70-2, Class V
- ANSI/ASME B16.5
- ANSI/ASME B16.11
- ANSI/ASME B16.25
- ANSI/ASME B16.34
- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Integrated Fugitive Emission Ports (Optional)
- Unique Lockable Lever Handle

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

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



Size Range: 3-Piece: 1/4" - 4" (3" C89)
Flanged: 1/2" - 4"

Body Material: 316 Stainless Steel

Seat Materials: PCTFE (Kel-F®), PTFE, TFM®, RTFE, Nova

Ends: Threaded, Socket Weld, Butt Weld, 150# & 300# Flanged

Max Pressure: 1480 PSI*

Max Temp: -400° F*

- ANSI/ASME B16.5
- ANSI/ASME B16.11
- ANSI/ASME B16.25
- ANSI/ASME B16.34
- 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

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3-Piece V-Port Control Valve **Series V84**

Port:	15° V, 30° V or 60° V (Special Configurations Available)	<ul style="list-style-type: none"> • ANSI/ASME Class 600 ¼" – 2 1/2" • ANSI/ASME Class 300 3" - 4"
Size Range:	1/4" - 4"	<ul style="list-style-type: none"> • ANSI/ASME B16.5 • ANSI/ASME B16.11
Body Materials:	316 Stainless Steel, Carbon Steel	<ul style="list-style-type: none"> • ANSI/ASME B16.25 • ANSI/ASME B16.34
Seat Materials:	PTFE, TFM®, RTFE, Nova, Delrin®, Virgin PEEK	<ul style="list-style-type: none"> • Blowout Proof Stem Design • Live-Loaded Stem Seal
Ends:	Threaded, Socket Weld, Butt Weld & Flanged End	<ul style="list-style-type: none"> • Encapsulated Body Bolts & Seals • Weldable in-line without disassembly of ends** • 15°, 30° & 60° "V" Balls (Special Configurations Optional)
Max Pressure:	Vacuum to 1480 PSI*	<ul style="list-style-type: none"> • "No Play" Coupler
Max Temp:	-50° to 600° F*	



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

**Dependent on Seat Material.

3 Piece Steam and Thermal Fluid Ball Valves **Series W84/W99**

Size Range:	1/2" - 4" (3" W99)	<ul style="list-style-type: none"> • ANSI/ASME Class 600 ¼" – 2 1/2" W84 Series (1/4"-2" W99) • Class 300 3" - 4" 84 Series (2 1/2"-3" W99)
Body Materials:	316 Stainless Steel, Carbon Steel	<ul style="list-style-type: none"> • ANSI/ASME B16.11 • ANSI/ASME B16.25 • ANSI/ASME B16.34
Seat Materials:	Nova, Virgin Peek	<ul style="list-style-type: none"> • ISO 5211 Integral Mounting Pad
Ends:	Threaded, Socket Weld & Butt Weld	<ul style="list-style-type: none"> • Blowout Proof Stem Design • Live-Loaded Stem Seal
Max Pressure:	500 PSI - Maximum Working Steam Pressure*	<ul style="list-style-type: none"> • Encapsulated Body Bolts & Graphite Seals • Weldable in-line without disassembly of ends**
Max Temp:	600° F for Thermal Fluids*	<ul style="list-style-type: none"> • Lockable Lever Handle



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

**Dependent on Seat Material.

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3-Piece Chlorine Standard/Full Port Ball Valve **Series CL**

Size Range:	1/4" - 4" (3" CL99)	<ul style="list-style-type: none"> • ANSI/ASME B16.5 • ANSI/ASME B16.11 • ANSI/ASME B16.25 • ANSI/ASME B16.34
Body Material:	Carbon Steel	<ul style="list-style-type: none"> • ISO 5211 Integral Mounting Pad
Seat Materials:	PTFE, TFM®, RTFE, Nova, Super Nova, Delrin®, Virgin PEEK	<ul style="list-style-type: none"> • Blowout Proof Stem Design • Live-Loaded Stem Seal
Ends:	Threaded, Socket Weld, Butt Weld, 150#, 300#, 600#, Flanged	<ul style="list-style-type: none"> • Encapsulated Body Bolts & Seals • Weldable in-line without disassembly of ends** • Degreased and Sealed in a Bag for Chlorine Applications
Max Pressure:	1480 PSI*	<ul style="list-style-type: none"> • Tank Pad Made From Solid Bar
Max Temp:	550° F*	<ul style="list-style-type: none"> • Lockable Lever Handle



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

**Dependent on Seat Material.

Series D84 3-Piece Standard Port Diverter Ball Valve



Size Range: 1/2" - 4"
Body Materials: 316 Stainless Steel, Carbon Steel
Seat Materials: PTFE, TFM®, RTFE, Nova, Delrin®, PEEK
Ends: Threaded, Socket Weld & Butt Weld
Max Pressure: 1480 PSI*
Max Temp: 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**
- 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 Valve



Size Range: 1/2" - 4"
Body Material: 316L Stainless Steel
Seat Materials: PTFE, TFM®, RTFE, PTFE Cavity Filler
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
- Bottom or Side Port Entry
- All Wetted Parts Polished to 14-18 Ra
- Lockable Lever Handle
- Purge Ports (Optional)

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

Series D54 Flanged 1-Piece Standard Port Ball Valve



Size Range: 1" - 8"
Body Materials: 316 Stainless Steel, Carbon Steel
Seat Materials: TFM®, PTFE, Nova
Ends: 150# Flanged
Max Pressure: 285 PSI
Max Temp: 500° F*

- ANSI/ASME B16.34
- ANSI/ASME B16.5
- ANSI/ASME B16.10
- NACE MR0175: 2002
- ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Lockable Lever Handle

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

3 & 4 Way Sanitary Full Port Tube Ball Valve **Series 75**

Size Range: 1/2" to 2", 3"
Body Material: 316 Stainless Steel
Seat Materials: TFM®, TFM® Cavity Fillers
Ends: Clamp
Max Pressure: 1000 CWP 1/2" - 2"*
800 CWP 3"*
Max Temp: -50° to 500° F*

- 4 Seat Design
- Direct Mount ISO 5211 Integral Mounting Pad
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- 12 Different Flow Configurations
- "L", or "T" Port Solid Ball
- Ball & Ends Polished to 20 Ra
- Lockable Lever Handle



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

3-Way Full Port Ball Valve **Series 76**

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

- ANSI/ASME B16.11
- 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



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3-Way and 4-Way Full port Ball Valve **Series 77**

Size Range: 1/4" - 4"
Body Material: 316 Stainless Steel
Seat Materials: TFM®, TFM® Cavity Filler
Ends: Threaded, Socket Weld,
Butt Weld,
150#, 300# Flanged
Max Pressure: 600 CWP
Max Temp: 500° F

- ANSI/ASME B16.5
- ANSI/ASME B16.11
- ANSI/ASME B16.25
- 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 3-Piece Full Port Tube Ball Valve




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 CWP 1/2" - 2"*
600 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 Valve




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 Valve



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
- 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 (Optional)
- Purge Ports (Optional)

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

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3-Piece Instrumentation Ball Valve **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
- Purge Ports (Optional)



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

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

Size Range: 1/4" - 4"
(3" 99/89 Series)
Body Materials: 316L Stainless Steel
Ends: Threaded, Socket Weld
& Butt Weld, Clamp,
Extended Butt Weld,
150#, 300# Flanged
Max Pressure: 1480 PSI*
Max Temp: -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.

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Series 11 2-Piece Full Port Direct Mount Ball Valve



Pictured with 4x4 Actuator

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

- ANSI/ASME B16.11
- ANSI/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 Valve



Pictured with SPNII Actuator

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

- ANSI/ASME B16.11
- ANSI/ASME B16.34
- Direct Mount ISO 5211 Integral Mounting Pad
- Patented System Allows Adjustment of Stem Packing Nut with Actuator in Place (U.S. Patent No. 6,446,935 B1)
- Blowout Proof Stem Design
- Live-Loaded Stem Seal
- Low Profile, Space Saving, Dependable Automated Assemblies
- Lockable Lever Handle

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



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 CWP 1/4" - 2"
600 CWP 2 1/2" - 4"
Max Temp: 450° F

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- ANSI/ASME B16.25
- ANSI/ASME B16.34
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