

Chicago Valves & Controls



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HIGH PERFORMANCE BALL VALVES

SERIES 70/79

API 608 3PC STANDARD & FULL PORT BALL VALVE



SIZE RANGE:
1/4"-4"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL
ALLOY 20
SMO 254®

SEAT MATERIAL:
TFM, RTFE, XN, DELRIN, PEEK

ENDS:
THREADED, SOCKET WELD
BUTT WELD, FLANGED

MAX PRESSURE:
VACUUM TO 1975/1480

TEMP:
-50-600°F

- ASME Class 800/600
- ASME B16.11
- ASME B16.25
- ASME B16.34
- API 598
- NACE MR0175
- ISO 5211
- Blowout Proof Stem
- Live Loaded Stem
- Encapsulated Body Seal
- Bolts Bolt To The Body
- Weldable Without Disassembly of Ends
- Lockable Handle

SERIES HP70/79

API 608 3PC STANDARD & FULL PORT BALL VALVE



SIZE RANGE:
1/4"-2"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
DELRIN, PEEK

ENDS:
THREADED, SOCKET WELD
BUTT WELD, FLANGED

MAX PRESSURE:
3200PSI

TEMP:
-50-600°F

- ISO 5211
- API 598
- Blowout Proof Stem
- Live Loaded Stem
- Encapsulated Body Seal
- Bolts Bolt To The Body
- Weldable Without Disassembly of Ends
- Lockable Handle
- NACE MR0175

SERIES 89

FLANGED FULL PORT BALL VALVE CLASS 150/300



SIZE RANGE:
1/2"-12"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL
ALLOY 20
SMO 254

SEAT MATERIAL:
TFM
RTFE
XN
PEEK

CLASS:
150
300

MAX PRESSURE:
Up to 285/740 PSI

TEMP:
-50-600°F

- API 608 1/2"-4"
- ASME B16.34
- ASME B16.35
- ASME B16.10
- API 598
- NACE MR0175
- ISO 5211
- Blowout Proof Stem
- Live Loaded Stem
- Lockable Handle
- Elevated Pad Allowed to Adjust Gland Packing Flange While Valve Is In Service Without Removing Actuator Or Handle (Up to 4")

SERIES 16

3 WAY BALL VALVE



SIZE RANGE:
1/4"-2"

BODY MATERIAL:
316 STAINLESS STEEL

ENDS:
THREADED

MAX PRESSURE:
1000 CWP

TEMP:
-50-450°F

- ASTM B16.11
- API 598
- 4 Seats Design
- Blowout Proof Stem
- Live Loaded Stem
- L & T Balls
- Lockable Handle
- Anti-Static Design

SERIES 17

3 & 4 WAY BALL VALVE



SIZE RANGE:
1/2"-4"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

MAX PRESSURE:
600 CWP

TEMP:
-50-500°F

- Flange ASME B16.5
- Threaded ASME B16.11
- API 598
- ISO 5211
- 4 Seat Design
- Blowout Proof Stem
- L, T, LL, 180° Balls
- Lockable Handle
- Anti-Static Design
- Easy Maintenance with SW & Threaded Ends

FIRE SAFE BALL VALVES

SERIES FS70/79

FIRE SAFE 3 PIECE STANDARD & FULL PORT BALL VALVE



SIZE RANGE:
1/4"-4"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL
SMO 254®

SEAT MATERIAL:
TFM, RTFE, XN

CLASS:
800, 600

MAX PRESSURE:
1975/1480 PSI

TEMP:
-50°F-550°F

- FS API 607 7th Edition
- ASME B16.34
- ASME B16.5
- ASME B16.10
- API 598
- NACE MR0175
- ISO 5211
- Blowout Proof Stem
- Live Loaded Stem
- Lockable Handle

SERIES FS89

FIRE SAFE FLANGED FULL PORT BALL VALVE CLASS 150/300



SIZE RANGE:
1/2"-12"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL
ALLOY 20
SMO 254®

SEAT MATERIAL:
TFM, RTFE, XN

CLASS:
150, 300

MAX PRESSURE:
285/740PSI

TEMP:
-50°F-550°F

- FIRE SAFE API 607
6th Edition 1/2"-4"
- API 607 4th Edition
6"-12"
- API 608 1/2"-4"
- API 598
- ASME B16.34
- ASME B16.5
- ASME B16.10
- NACE MR0175
- ISO 5211
- Blowout Proof Stem
- Live Loaded Stem
- Lockable Handle

SERIES FS84

FIRE SAFE FLANGED STANDARD PORT BALL VALVE



SIZE RANGE:
1"-4"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
TFM

CLASS:
150, 300

MAX PRESSURE:
285/740PSI

TEMP:
-50°F-550°F

- API 607 4th Edition
- ASME B16.34
- ASME B16.5
- ASME B16.10
- API 598
- NACE MR0175
- ISO 5211
- Blowout Proof Stem
- Live Loaded Stem
- Lockable Handle

SERIES FS85

FIRE SAFE FLANGED FULL PORT BALL VALVE



SIZE RANGE:
1/2"-4"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
TFM

CLASS:
150, 300

MAX PRESSURE:
285/740PSI

TEMP:
-50°F-550°F

- API 607 4th Edition
- ASME B16.34
- ASME B16.5
- ASME B16.10
- API 598
- NACE MR0175
- ISO 5211
- Blowout Proof Stem
- Live Loaded Stem
- Lockable Handle

SERIES FS27

FIRE SAFE SEAL WELD



SIZE RANGE:
1/4"-2"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
DELRIN, PEEK

ENDS:
THREADED
SOCKET WELD

MAX PRESSURE:
3600 PSI

MAX TEMP:
DELRIN 180°F
PEEK 500°F

- API 607 6th Edition
- ASTM B16.34
- ASME B16.11
- API 598
- ISO 5211 Mounting Pad
- Blowout Proof Stem
- Live Load Stem
- Lockable Handle
- Anti-Static Design
- API 608
- NACE MR0175

SERIES FS29

FIRE SAFE SEAL WELD



SIZE RANGE:
1/4"-2"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
DELRIN, PEEK

ENDS:
THREADED
SOCKET WELD

MAX PRESSURE:
6000 PSI

MAX TEMP:
DELRIN 180°F
PEEK 500°F

- API 607 6th Edition
- ASTM B16.34
- ASME B16.11
- API 598
- ISO 5211 Mounting Pad
- Blowout Proof Stem
- Live Load Stem
- Lockable Handle
- Anti-Static Design
- API 608
- NACE MR0175

SEAL WELD BALL VALVES

SERIES 26

FULL PORT 2000/1500 CWP SEAL WELD BALL VALVE



SIZE RANGE:
1/4"-4"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
RTFE

ENDS:
THREADED

MAX PRESSURE:
2000 CWP (1/4"-2")
1500 CWP (2 1/2"-4")

TEMP:
-50°-450°F

- ASME B16.34
- ASME B16.11
- API 598
- NACE MR0175
- Blowout Proof Stem
- Lockable Handle
- Optional Oval Handle

SERIES 27

CLASS 1500 SEAL WELD



SIZE RANGE:
1/4"-2"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
DELTRIN, PEEK

ENDS:
THREADED
SOCKET WELD

MAX PRESSURE:
3600 PSI

MAX TEMP:
DELTRIN 180°F
PEEK 500°F

- ASTM B16.34
- ASME B16.11
- API 598
- ISO 5211 Mounting Pad
- Blowout Proof Stem
- Live Load Stem
- Lockable Handle
- Anti-Static Design
- API 608
- NACE MR0175

SERIES 29

CLASS 2500 SEAL WELD



SIZE RANGE:
1/4"-2"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
DELRIN, PEEK

ENDS:
THREADED
SOCKET WELD

MAX PRESSURE:
6000 PSI

MAX TEMP:
DELRIN 180°F
PEEK 500°F

- ASTM B16.34
- ASME B16.11
- API 598
- ISO 5211 Mounting Pad
- Blowout Proof Stem
- Live Load Stem
- Lockable Handle
- Anti-Static Design
- API 608
- NACE MR0175

SERIES FS27

FIRE SAFE SEAL WELD



SIZE RANGE:
1/4"-2"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
DELRIN, PEEK

ENDS:
THREADED
SOCKET WELD

MAX PRESSURE:
3600 PSI

MAX TEMP:
DELRIN 180°F
PEEK 500°F

- API 607 6th Edition
- ASTM B16.34
- ASME B16.11
- API 598
- ISO 5211 Mounting Pad
- Blowout Proof Stem
- Live Load Stem
- Lockable Handle
- Anti-Static Design
- API 608
- NACE MR0175

SERIES FS29

FIRE SAFE SEAL WELD



SIZE RANGE:
1/4"-2"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
DELRIN, PEEK

ENDS:
THREADED
SOCKET WELD

MAX PRESSURE:
6000 PSI

MAX TEMP:
DELRIN 180°F
PEEK 500°F

- API 607 6th Edition
- ASTM B16.34
- ASME B16.11
- API 598
- ISO 5211 Mounting Pad
- Blowout Proof Stem
- Live Load Stem
- Lockable Handle
- Anti-Static Design
- API 608
- NACE MR0175

MULTI-PURPOSE BALL VALVES

SERIES 81

FLANGED STANDARD PORT BV



SIZE RANGE:
1"-4"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
RTFE

CLASS:
150

MAX PRESSURE:
285 PSI

TEMP:
-50°-450°F

- ASME B16.34
- ASME B16.35
- ASME B16.10
- API 598
- NACE MR0175
- ISO 5211
- Blowout Proof Stem
- Live Loaded Stem
- Lockable Lever
- Elevated Pad Allowed to Adjust Gland Packing Flange While Valve Is In Service Without Removing Actuator Or Handle

SERIES 82

FLANGED FULL PORT BV



SIZE RANGE:
1/2"-12"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
RTFE

CLASS:
150

MAX PRESSURE:
285 PSI

TEMP:
-50°-450°F

- ASME B16.34
- ASME B16.35
- ASME B16.10
- API 598
- NACE MR0175
- ISO 5211
- Blowout Proof Stem
- Live Loaded Stem
- Lockable Lever
- Elevated Pad Allowed to Adjust Gland Packing Flange While Valve Is In Service Without Removing Actuator Or Handle

SERIES 10

ONE PIECE UNIBODY FORGED BALL VALVE



SIZE RANGE:
1/4"-2"

BODY MATERIAL:
FORGED STEEL A105

SEAT MATERIAL:
RPTFE

ENDS:
THREADED

MAX PRESSURE:
2000 CWP

TEMP:
-50°-450°F

- ASME B16.11
- API 598
- NACE MR0175
- Blowout Proof Stem
- Lockable Handle
- Optional Oval Handle
- Anti-Static Design

SERIES 11

2 PIECE FULL PORT BRASS BV



SIZE RANGE:
1/4"-4"

BODY MATERIAL:
FORGED BRASS

SEAT MATERIAL:
PTFE

ENDS:
THREADED

MAX PRESSURE:
600 CWP

MAX TEMP:
400°F

- CSA ANSI Z21.15
- CSA ASME B16.44
- CSA ASME B16.33 (1/2"-2")
- CSA ASME B16.38
- ASME B16.11
- Blowout Proof Stem
- Lockable Handle
- Optional Oval Handle

SERIES 12

ONE PIECE UNIBODY REDUCED PORT BALL VALVE



SIZE RANGE:
1/4"-2"

BODY MATERIAL:
316 STAINLESS STEEL

SEAT MATERIAL:
RTFE

ENDS:
THREADED

MAX PRESSURE:
1000 CWP (1/4"-1 1/4")
800 CWP (1 1/2"-2")

TEMP:
-50°-450°F

- ASME B1.20.1
- API 598
- Blowout Proof Stem
- Lockable Handle
- Optional Oval Handle
- Anti-Static Design

SERIES 20

TWO PIECE FULL PORT 1000 CWP BALL VALVE



SIZE RANGE:
1/4"-3"

BODY MATERIAL:
316 STAINLESS STEEL

SEAT MATERIAL:
RTFE

ENDS:
THREADED

MAX PRESSURE:
1000 CWP

TEMP:
-50°F-450°F

- ASME B16.34
- ASME B16.11
- API 598
- NACE MR0175
- Blowout Proof Stem
- Lockable Handle
- Optional Oval Handle
- Anti-Static Design

SERIES 24

TWO PIECE STD. PORT 2000/1500 CWP BALL VALVE



SIZE RANGE:
1/4"-2"

BODY MATERIAL:
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
RTFE
K-SEAT

ENDS:
THREADED

MAX PRESSURE:
2000 CWP (1/4"-1")
1500 CWP (1 1/4"-2")

TEMP:
-50°F-450°F

- ASME B16.11
- ASME B16.34
- API 598
- Blowout Proof Stem
- Lockable Handle
- Optional Oval Handle
Deadman Handle
- Anti-Static Design
- NACE MR0175

SERIES 25

2-PIECE FULL PORT BALL VALVE DIRECT MOUNT - DMA



SIZE RANGE:
1/4"-2"

BODY MATERIAL:
316 STAINLESS STEEL

SEAT MATERIAL:
RTFE

ENDS:
THREADED

MAX PRESSURE:
1000 CWP

TEMP:
-50°-450°F

- ASME B16.34
- ASME B16.11
- API 598
- ISO 5211
- Blowout Proof Stem
- Live Loaded Stem
- Lockable Handle
- DMA - Direct Mount
Actuator With Elevated Pad
- Anti-Static Design

SERIES 33

3-PIECE FULL PORT BALL VALVE



SIZE RANGE:
1/4"-2"

BODY MATERIAL:*
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
RTFE

ENDS:
THREADED
SOCKET WELD

MAX PRESSURE:
1000 CWP

TEMP:
-50°-450°F

- ASME B16.11
- ASME B16.34
- ASME B16.25
- API 598
- Blowout Proof Stem
- Lockable Handle
- Optional Oval Handle
- Anti-Static Design

*Available as body only

SERIES 34

3-PIECE FULL PORT BALL VALVE



SIZE RANGE:
1/4"-2"

BODY MATERIAL:*
CARBON STEEL
316 STAINLESS STEEL

SEAT MATERIAL:
RTFE

ENDS:
THREADED
SOCKET WELD

MAX PRESSURE:
1000 CWP

TEMP:
-50°-450°F

- ASME B16.11
- ASME B16.34
- ASME B16.25
- API 598
- Blowout Proof Stem
- Lockable Handle
- Optional Oval Handle
- Anti-Static Design

*Available as body only

SERIES 35

3-PIECE FULL PORT BALL VALVE DIRECT MOUNT - DMA



SIZE RANGE:
1/4"-4"

BODY MATERIAL:*
316 STAINLESS STEEL
& CARBON STEEL ENDS

SEAT MATERIAL:
RTFE

ENDS:
THREADED

MAX PRESSURE:
1000 CWP 1/4"-2"
800 CWP 2 1/2"-4"

TEMP:
-50°-450°F

- ASME B16.34
- ASME B16.11
- ASME B16.25
- ISO 5211
- API 598
- Blowout Proof Stem
- Live Loaded Stem
- Lockable Handle
- DMA Direct Mount Actuator With Elevated Pad
- Anti-Static Design

*Available as body only

BUTTERFLY VALVES



SERIES 55

- 200 psi rating (1 1/2"-12")
- 150 psi rating (14"-48")
- Epoxy coated body
- Lockable handle
- ISO 5211 mounting pad
- API 609

MULTI-TURN VALVES

SERIES 28

FORGED STEEL CLASS 800 GATE VALVE



SIZE RANGE: 1/4"-2"

BODY MATERIAL:
FORGED STEEL
316L FORGED STAINLESS STEEL

ENDS:
THREADED
SOCKET WELD

MAX PRESSURE: 1975 PSI

MAX TEMP: 850°F

- ASME A182/F3162
- ASME A105
- ASME B16.11
- ASME B16.20.1
- API 598
- API 602*
- NACE MR0175
- *Optional API 624
(With API 622 Packing)

SERIES 38

FORGED STEEL CLASS 800 GLOBE VALVE



SIZE RANGE: 1/4"-2"

BODY MATERIAL:
FORGED STEEL
316L FORGED STAINLESS STEEL

ENDS:
THREADED
SOCKET WELD

MAX PRESSURE: 1975 PSI

MAX TEMP: 850°F

- ASME A182/F3162
- ASME A105
- ASME B16.11
- ASME B16.20.1
- API 598
- API 602*
- NACE MR0175
- *Optional API 624
(With API 622 Packing)

SERIES P48/48

FORGED STEEL CLASS 800 PISTON/CHECK VALVE



SIZE RANGE: 1/4"-2"

BODY MATERIAL:
FORGED STEEL
316L FORGED STAINLESS STEEL

ENDS:
THREADED
SOCKET WELD

MAX PRESSURE: 1975 PSI

MAX TEMP: 850°F

- ASME A182/F3162
- ASME A105
- ASME B16.11
- ASME B16.20.1
- API 598
- API 602
- NACE MR0175

SERIES 21

CAST STEEL GATE VALVE



SIZE RANGE: 2"-36"

BODY MATERIAL:
CAST STEEL WCB

ENDS:
CLASS 150/300/600
FLANGE, BW, RTJ

MAX PRESSURE:
1480 PSI

MAX TEMP: 1000°F

- API 600
- ASME B16.10
- ASME B16.5
- ASME B16.47
- ASME B16.25
- API 598
- NACE MR0175

SERIES 31

CAST STEEL GLOBE VALVE



SIZE RANGE: 2"-18"

BODY MATERIAL:
CAST STEEL WCB

ENDS:
CLASS 150/300/600
FLANGE, BW, RTJ

MAX PRESSURE: 1480 PSI

MAX TEMP: 1000°F

- ASME B16.34
- ASME B16.10
- ASME B16.5
- ASME B16.25
- API 598
- NACE MRO175

SERIES 41

CAST STEEL SWING CHECK



SIZE RANGE: 2"-36"

BODY MATERIAL:
CAST STEEL WCB

ENDS:
CLASS 150/300/600
FLANGE, BW, RTJ

MAX PRESSURE: 1480 PSI

MAX TEMP: 1000°F

- ASME B16.34
- ASME B16.10
- ASME B16.5
- ASME B16.25
- API 598
- NACE MRO175

SERIES 216

316 STAINLESS STEEL FLANGED GATE VALVE



SIZE RANGE: 1/2"-12"

BODY MATERIAL:
316 STAINLESS STEEL

ENDS:
CLASS 150/300 FLANGE, BW

MAX PRESSURE:
720 PSI

MAX TEMP:
1000°F

- API 603
- ASME B16.34
- ASME B16.10
- ASME B16.5
- ASME B16.25
- API 598

SERIES 316

316 STAINLESS STEEL FLANGED GLOBE VALVE



SIZE RANGE: 1/2"-12"

BODY MATERIAL:
316 STAINLESS STEEL

ENDS:
CLASS 150/300 FLANGE, BW

MAX PRESSURE:
720 PSI

MAX TEMP:
1000°F

- ASME B16.34
- ASME B16.10
- ASME B16.5
- ASME B16.25
- API 598

SERIES 416

316 STAINLESS STEEL FLANGED SWING CHECK



SIZE RANGE: 1/2"-12"

BODY MATERIAL:
316 STAINLESS STEEL

ENDS:
CLASS 150/300 FLANGE, BW

MAX PRESSURE:
720 PSI

MAX TEMP:
1000°F

- ASME B16.34
- ASME B16.10
- ASME B16.5
- ASME B16.25
- API 598

SERIES 226

200# GATE VALVE



SIZE RANGE:

1/2"-3"

BODY MATERIAL:

316 STAINLESS STEEL

ENDS:

THREADED, SOCKET WELD

MAX PRESSURE:

200 CWP

MAX TEMP:

350°F

- API 598
- ASME B1.20.1
- ASME B16.11

SERIES 326

200# GLOBE VALVE



SIZE RANGE:

1/2"-2"

BODY MATERIAL:

316 STAINLESS STEEL

ENDS:

THREADED, SOCKET WELD

MAX PRESSURE:

200 CWP

MAX TEMP:

350°F

- API 598
- ASME B1.20.1
- ASME B16.21

SERIES 426

200# SWING CHECK VALVE



SIZE RANGE:

1/4"-3"

BODY MATERIAL:

316 STAINLESS STEEL

ENDS:

THREADED, SOCKET WELD

MAX PRESSURE:

200 CWP

MAX TEMP:

350°F

- API 598
- ASME B1.20.1
- ASME B16.21

CONTROLS

SERIES CXL PNEUMATIC ACTUATOR



**ANODIZED BODY
& ENDS**

**EPOXY POLYESTER
COATING**

**NICKLE PLATED ALLOY
STEEL PINION**

DIE-CAST PISTONS

ADJUSTING TRAVEL

PRELOADED SPRINGS

- ISO 5211
- DIN 3337
- VID/VIE 3845
- NAMUR

INDELAC ELECTRIC ACTUATORS



ENCLOSURES AVAILABLE: NEMA 4, 4X, 7 & 9

TEMPERATURE: -40°F–150°F

TORQUE RANGE: 100 In-Lbs–27,300 In-Lbs

**VOLTAGE: 12 VDC, 24 VDC/VAC,
115 VAC, 230 VAC**

**SPRING RETURN ACTUATORS:
200 In-Lbs–1,200 In-Lbs**

CONTROLS

ROTEX LIMIT SWITCHES

NEMA 4X DXL / NEMA 7X DNL



UL LISTED
INDICATOR COVER: SHATTER PROOF
POLYCARBONATE

COMPLIES TO NAMUR MOUNTING STANDARDS

SPECIAL CIRCUIT BOARD ELIMINATES
INTERNAL WIRING

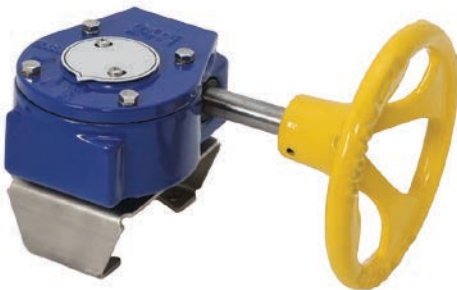
SOLENOID TERMINATION INSIDE
THE SWITCH BOX

HOUSING MATERIAL: DIE CAST ALUMINUM
WITH POWDER COATING

GEAR OPERATOR

CGO

GEAR OPERATOR



Torque range 1325-132,760 In-Lbs

ISO 5211 mounting dimensions

Chain Wheel operation available

SOLENOIDS

AUTOMATIC VALVE SOLENOIDS



Chicago Valves
& Controls

Toll-Free (833) 831-2312

Local (312) 637-3557

Fax: (312) 637-3543

E-Mail: sales@chicagovalves.com

www.chicagovalves.com

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