CONDENSED CATALOG









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JUST PRESS, CRIMP AND TRIPLE YOUR PRODUCTIVITY1.

Reduce installation time up to 68% with Milwaukee Valve's extensive new line of UltraPress press-connection valves. Perfect for potable water, HVAC and inert gas systems, UltraPress valves quickly install without brazing, soldering or special tools. With no open flame required, water service connections can be made wet or dry for faster, easier repairs. Plus, UltraPress eliminates heat-installation costs like solder, flux, propane torches, oxygen/gas bottles and "hot" work permits.

Available in fully annealed brass, bronze and lead-free² UltraPure[®] alloys—in ball, gate, globe and check styles—you're sure to find the valves you need. Accessories, too, like extension, INSULATOR/MS™ and lockout handles.

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- ¹ Estimate based on MCAA's WebLEM (Web-based Labor Estimating Manual).
- ² Lead content less than 0.25%, defined as lead-free by US Senate Bill S.3874.
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BA-100 P2



BA-150H

Options/Accessories BA-100/150 / UPBA-100/150

INSULATOR Handle (TIH)
Oval Handle (OH)
Locking Oval Handle (LO)
Stainless-Steel Handle (SH)
Tee Handle (TH)
Locking Handle (LD)
Extension Handle (XH)
Extension Handle w/Memory Stop (XM)
Memory Stop (MS)
Chain Lever (CL)

2-PIECE BRONZE

Standard Port

BA-100 / BA-100S

600 WOG 150 SWP, MSS SP-110, Threaded, BA-100S with Stainless Steel Ball and Stem 1/4" thru 3"

BA-100ELD / BA-100SELD

125 psig, MSS SP-110, Latch Lock Handle, Threaded with Exhaust Port, BA-100SELD with Stainless Steel Ball and Stem 1/4" thru 2"

BA-100M

600 WOG 150 SWP, MSS SP-110, Male x Female 1/4" thru 2"

BA-100 P2 / BA-100S P2

200 psig @ 250°F, MSS SP-110, Press X Press, BA-100S P2 with Stainless Steel Ball and Stem 1/2" thru 2"

BA-150 / BA-150S

600 WOG 150 SWP, MSS SP-110, Solder, BA-150S with Stainless Steel Ball & Stem 3/8" thru 3"

Full Port

BA-100H

600 WOG, MSS SP-110, Threaded With Hose, Cap and Chain 1/2" and 3/4"

BA-150H

600 WOG, MSS SP-110, Solder With Hose, Cap and Chain 1/2" and 3/4"

BA-100H P1 / BA-100SH P1

200 psig @ 250°F, MSS SP-110, Press X Hose, BA-100SH P1 with Stainless Steel Ball & Stem 1/2" and 3/4"



BA-450



UPBA-100 P2 XH



BA-100 P2 TIH

Options/Accessories
BA-100/150 / UPBA-100/150
BA-400/450 / UPBA-400/450
INSULATOR Handle (TIH)
Oval Handle (OH)
Locking Oval Handle (LO)
Stainless-Steel Handle (SH)
Tee Handle (TH)
Locking Handle (LD)
Extension Handle (XH)
Extension Handle w/Memory Stop (XM)
Memory Stop (MS)
Chain Lever (CL)

continued 2-PIECE BRONZE Full Port

BA-400 / BA-400S

600 WOG 150 SWP, MSS SP-110, Threaded, BA-400S with Stainless Steel Ball & Stem 1/4" thru 2"

BA-400 P2 / BA-400S P2

200 psig @ 250°F, MSS SP-110, Press X Press, BA-400S with Stainless Steel Ball & Stem 1/2" thru 2"

BA-400S3

600 WOG, 250 SWP, MSS SP-110, Stainless Steel Ball & Stem, Threaded, Steam Seats 1/2" thru 2"

BA-450 / BA-450S

600 WOG, 150 SWP, MSS SP-110, Solder, BA-450S with Stainless Steel Ball & Stem 3/8" thru 2"

2-PIECE PURE PURE PURE BRONZE LEAD-FREE BRONZE BALL VALVES FOR POTABLE WATER SERVICE*

Standard Port

UPBA-100 / UPBA-100S

600 WOG, MSS SP-110, Threaded, UPBA-100S with Stainless Steel Ball & Stem 1/4" thru 3"

UPBA-100 P2 / UPBA-100S P2

200 psig @ 250°F, MSS SP-110, Press X Press, UPBA-100S with Stainless Steel Ball and Stem 1/2" thru 2"



UPBA-100H



UPBA-400 P2 TIH



UPBA-450S

Options/Accessories
BA-100/150 / UPBA-100/150
BA-400/450 / UPBA-400/450
INSULATOR Handle (TIH)
Oval Handle (OH)
Locking Oval Handle (LO)
Stainless-Steel Handle (SH)
Tee Handle (TH)
Locking Handle (LD)
Extension Handle (XH)
Extension Handle w/Memory Stop (XM)
Memory Stop (MS)
Chain Lever (CL)

CONTINUED 2-PIECE BRONZE LEAD-FREE BRONZE BALL VALVES FOR POTABLE WATER SERVICF*

Standard Port

UPBA-150 / UPBA-150S

600 WOG, MSS SP-110, Solder, UPBA-150S with Stainless Steel Ball & Stem 3/8" thru 3"

Full Port

UPBA-100H

600 WOG, MSS SP-110, Threaded With Hose, Cap and Chain 1/2" and 3/4"

UPBA-150H

600 WOG, Solder with Hose, Cap and Chain 1/2" and 3/4"

UPBA-400 / UPBA-400S

600 WOG, MSS SP-110, Threaded, UPBA-400S with Stainless Steel Ball & Stem 1/4" thru 2"

UPBA-100H P1

200 psig @ 250°F, MSS SP-110, Press X Hose 1/2" and 3/4"

UPBA-400 P2 / UPBA-400S P2

200 psig @ 250°F, MSS SP-110, Press X Press, UPBA-400S with Stainless Steel Ball and Stem 1/2" thru 2"

UPBA-450 / UPBA-450S

600 WOG, MSS SP-110, Solder, UPBA-450S with Stainless Steel Ball & Stem 1/2" thru 2"







BA-480S

Options/Accessories
BA-200/250,
BA-475B/485B / UPBA-475B/485B
BA-480B/490B / UPBA-480B/490B
INSULATOR Handle (TIH)
(Except BA-200/250)
Oval Handle (OH)
Stainless-Steel Handle (SH)
Tee Handle (TH)
Extension Handle with Memory Stop (XM)
Memory Stop (MS)

2-PIECE FORGED BRASS

Standard Port

BA-200

400 WOG 150 SWP, Threaded 1/4" thru 4"

BA-250

400 WOG 150 SWP, Solder 3/8" thru 3"

Full Port

BA-475B

600 WOG (1/4" thru 3"), 400 WOG (4"), CSA/UL/FM/CGA Approved to 2", Threaded 1/4" thru 4"

BA-485B

600 WOG (1/2"thru 3"), 400 WOG (4"), Heavy Pattern, Solder 1/2" thru 4"

BA-480B / BA-480S

200 psig @ 250°F, Press X Press, BA-480S with Stainless Steel Ball & Stem 1/2" thru 3"

BA-490B / BA-490S

200 psig @ 250°F, Press X Threaded, BA-490S with Stainless Steel Ball & Stem 1/2" thru 2"

BA-480BH / BA-480SH

200 psig @ 250°F, Press X Hose, BA-480SH with Stainless Steel Ball & Stem, 1/2" thru 3/4"

BA-481B

200 psig @ 250°F, Press X Press, Extension Stem with Memory stop, 1/2" thru 3"

BA-491B

200 psig @ 250°F, Press X Threaded, Extension stem with Memory Stop, 1/2" thru 2"



UPBA-475B



UPBA-480



UPBA-481B

Options/Accessories BA-475B/485B / UPBA-475B/485B BA-480B/490B / UPBA-480B/490B INSULATOR Handle (TIH)

INSULATOR Handle (TIH)
(BA-480B/BA-490B only)
Oval Handle (OH)
Stainless-Steel Handle (SH)
Tee Handle (TH)
Extension Handle (XH)
Extension Handle with Memory
Stop (XM)
Memory Stop (MS)

2-PIECE Ultra Pure LEAD-FREE FORGED BRASS BALL VALVES FOR POTABLE WATER SERVICE

Full Port

UPBA-475B *

600 WOG (1/4" thru 2") 400 WOG (2-1/2" thru 3") MSS SP-110, UL/ CSA Rated to 2", Threaded 1/4" thru 3"

UPBA-485B *

600 WOG (1/2" thru 2") 400 WOG (2-1/2" thru 3"), MSS SP-110, Solder 1/2" thru 3"

UPBA-480B / UPBA-480S*

200 psig @ 250°F, MSS SP-110, Press X Press, UPBA-480S with Stainless Steel Ball and Stem 1/2" thru 4"

UPBA-480BH / UPBA-480SH *

200 PSIG @ 250°F, Press X Hose, BA-480SH with Stainless Steel Ball & Stem, 1/2" and 3/4"

UPBA-481B / UPBA-481S *

200 psig @ 250°F, MSS SP-110, Press X Press, Extension Stem With Memory Stop, UPBA-481S with Stainless Steel Ball and Stem 1/2" thru 2"

UPBA-490B / UPBA-490S *

200 psig @ 250°F, MSS SP-110, Press X Threaded, UPBA-490S with Stainless Steel Ball and Stem 1/2" thru 2"

UPBA-491B / UPBA-491S *

200 psig @ 250°F, MSS SP-110, Press X Threaded, Extension Stem With Memory Stop, UPBA-491S with Stainless Steel Ball and Stem 1/2" thru 2"







BA-350TE

Options/Accessories BA-300/350 / UPBA-300/350

INSULATOR Handle (TIH)
Oval Handle (OH)
Locking Oval Handle (LO)
Stainless-Steel Handle (SH)
Tee Handle (TH)
Locking Handle (LD)
Extension Handle (XH)
Extension Handle w/Memory Stop (XM)
Memory Stop (MS)
Chain Lever (CL)

2-PIECE BRASS CIRCULATOR-FLANGE

BA-500

600 WOG, 150 SWP, Full Port, Sold in Pkg. of 2, Threaded 3/4" thru 1-1/4"

BA-550

600 WOG, 150 SWP, Full Port, Sold in Pkg. of 2, Solder 3/4" thru 1-1/4"

3-PIECE BRONZE BALL VALVES

Full Port

BA-300 / BA-300S

600 WOG, 150 SWP, MSS SP-110, Threaded, BA-300S with Stainless Steel Ball & Stem 1/4" thru 3" *

BA-300SB / BA-300SBS

600 WOG, 150 SWP Silbrazed, BA-300SBS with Stainless Steel Ball & Stem 3/4" thru 2"

BA-350 / BA-350S

600 WOG, 150 SWP, MSS SP-110, Solder, BA-350S with Stainless Steel Ball and Stem 3/8" thru 3"

BA-300 P2 / BA-300S P2

200 psig @ 250°F, MSS SP-110, Press X Press, BA-300S P2 with Stainless Steel Ball and Stem 1/2" thru 2"

BA-350TE / BA-350STE

600 WOG, 150 SWP, Solder, BA-350STE with Stainless Steel Ball and Stem, Tube End 1/2" thru 2"



3-PIECE Pure LEAD-FREE BRONZE BALL VALVES FOR POTABLE WATER

Full Port

UPBA-300 / UPBA-300S

600 W0G, MSS SP-110, Threaded, UPBA-300S with Stainless Steel Ball & Stem 1/4" thru 3"

UPBA-350 / UPBA-350S

600 WOG, MSS SP-110, Solder, UPBA-350S with Stainless Steel Ball & Stem 3/8" thru 3"

UPBA-300 P2 / UPBA-300S P2

200 psig @ 250°F, MSS SP-110, Press X Press, UPBA-300S P2 with Stainless Steel Ball & Stem 1/2" thru 2"



F90SS300R-N1



F90CS150R-N1



F91CS150R-N1

Options/Accessories F90/91

Stainless Oval Handle (OS)
Carbon Oval Handle (OH)
Extended Handle (XH)
Extended Locking Handle (XLH)
Gear Operator (GO)
Pneumatic Actuator
Electric Actuator
Assemble Dry (AD)
Chlorine Cleaned (CC)
Oxygen Cleaned OC)
Grounded Ball (GB)
Vented Ball (VB)

UNIBODY, FLANGED-END

Standard Port

F90CS150R-N1

Class 150, TEFLON ® NXT-75 Seats, Carbon Steel Body, Stainless Steel Ball & Stem, Actuator Mounting Pads 1/2" thru 6"

F90CS300R-N1

Class 300, TEFLON ® NXT-75 Seats, Carbon Steel Body, Stainless Steel Ball & Stem, Actuator Mounting Pads 1/2" thru 6"

F90SS150R-N1

Class 150, TEFLON ® NXT-75 Seats, Stainless Steel Body, Stainless Steel Ball & Stem, Actuator Mounting Pads 1/2" thru 6"

F90SS300R-N1

Class 300, TEFLON ® NXT-75 Seats, Stainless Steel Body, Stainless Steel Ball & Stem, Actuator Mounting Pads 1/2" thru 6"

UNIBODY, FLANGED-END, FIRE-SAFE

Standard Port

F91CS150R-N1

Class 150, TEFLON ® NXT-75 Seats, Carbon Steel Body, Stainless Steel Ball & Stem, Fire-Safe to API 607, Actuator Mounting Pads 1/2" thru 6"

F91CS300R-N1

Class 300, TEFLON ® NXT-75 Seats, Carbon Steel Body, Stainless Steel Ball & Stem, Fire-Safe to API 607, Actuator Mounting Pads 1/2" thru 6"

Options/Accessories BA-300/350 / UPBA-300/350

INSULATOR Handle (TIH)
Oval Handle (OH)
Locking Oval Handle (LO)
Stainless-Steel Handle (SH)
Tee Handle (TH)
Locking Handle (LD)
Extension Handle (XH)
Extension Handle w/Memory Stop (XM)
Memory Stop (MS)
Chain Lever (CL)



F91SS150R-N1



10SSOD-02-LL

continued

UNIBODY, FLANGED-END. FIRE-SAFE

Standard Port

F91SS150R-N1

Class 150, TEFLON® NXT-75 Seats, Stainless Steel Body, Stainless Steel Ball & Stem, Fire-Safe to API 607, Actuator **Mounting Pads** 1/2" thru 6"

F91SS300R-N1

Class 300, TEFLON ® NXT-75 Seats, Stainless Steel Body, Stainless Steel Ball & Stem, Fire-Safe to API 607, Actuator **Mounting Pads** 1/2" thru 6"



F201CSN2

UNIBODY, THREADED, **FIRE-SAFE**

Reduced Port

10CSOD-02-LL

2000 WOG, Carbon Steel Body, Stainless Steel Ball & Stem, RPTFE Seats, Fire-Safe to API 607, Threaded 1/4" thru 2"

10SSOD-02-LL

2000 WOG, Stainless Steel Body, Stainless Steel Ball & Stem, RPTFE Seats. Fire-Safe to API 607, Threaded 1/4" thru 2"



BA3WDSLH

Options/Accessories

Lever Handle (2) Gear Operator (3) **Pneumatic Actuator Electric Actuator** Assemble Dry (A) Chlorine Cleaned (C) Oxygen Cleaned (0) Vented Ball (V) Flat-Faced Flange (F) PTFE Packing (T)

2-PIECE, FLANGED-**END, FIRE-SAFE**

F201CSN2

Class 150, TEFLON ® NXT-75 Seats, Carbon Steel Body, Stainless Steel Ball & Stem, Full Port, Live Loaded **Graphite Packing, Actuator Mounting** Pads, Fire-Safe to API 607 1" thru 12"

F203CSN2

Class 300, TEFLON ® NXT-75 Seats, Carbon Steel Body, Stainless Steel Ball & Stem, Full Port, Live Loaded **Graphite Packing, Actuator** Mounting Pads, Fire-Safe to API 607 1" thru 12"

F201SSN2

Class 150, TEFLON ® NXT-75 Seats, Stainless Steel Body, Stainless Steel Ball & Stem, Full Port, Live Loaded Graphite Packing, Actuator Mounting Pads, Fire-Safe to API 607 1" thru 12"

F203SSN2

Class 300, TEFLON ® NXT-75 Seats, Stainless Steel Body, Stainless Steel Ball & Stem, Full Port, Live Loaded Graphite Packing, Actuator Mounting Pads, Fire-Safe to API 607 1" thru 12"

DIVERTER VALVE

Standard Port

BA3WDSLH

1000 WOG, Stainless Steel Body, Stainless Steel Ball & Stem, **RPTFE Seats, 3-Way Port Diverter, Threaded Ends** 1/4" thru 2"

Options/Accessories

Stainless Oval Handle (OS) Carbon Oval Handle (OH) Extended Handle (XH) Extended Locking Handle (XLH) Gear Operator (GO) **Pneumatic Actuator Electric Actuator** Assemble Dry (AD) Chlorine Cleaned (CC) Oxygen Cleaned OC) Grounded Ball (GB) Vented Ball (VB)



20BSOR-02



20SS0R-N1



Options/Accessories 20 series

Stainless Oval Handle (OS)
Stainless Latch Lock Handle (LL)
Stainless-Steel Spring-Loaded Oval
Handle (LO)
Extended Handle (XH)
Stainless Spring Latch-Lock Handle (LS)
Pneumatic Actuator
Electric Actuator
Assemble Dry (AD)
Grounded Ball (GB)
Grounded Stem (GS)
Vented Ball (VB)

2-PIECE, THREADED

Standard Port

20BSOR-02

600 WOG, Bronze Body, Stainless Steel Ball & Stem, RPTFE Seats, Actuator Mounting Pads, Threaded 1/4" thru 2"

20BB0R-02

600 WOG, Bronze Body, Chrome Plated Ball, Bronze Stem, RPTFE Seats, Actuator Mounting Pads, Threaded 1/4" thru 2"

20CSOR-N1

Carbon Steel Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Actuator Mounting Pads, Threaded 2000 WOG 1/4" thru 1", 1500 WOG 1-1/4" thru 2"

20SSOR-N1

Stainless Steel Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Actuator Mounting Pads, Threaded 2000 WOG 1/4" thru 1" 1500 WOG 1-1/4" thru 2"

Full Port

BA-260

1000 WOG, Stainless Steel Body and Ball, RPTFE Seats, Locking Handle, Threaded 1/4" thru 3"



41CS0F-02-LL



41SS0F-02-LL



22SSOR-N1

Options/Accessories

22 series

Stainless Oval Handle (OS)
Stainless Latch Lock Handle (LL)
Stainless-Steel Spring-Loaded Oval
Handle (LO)
Extended Handle (XH)
Stainless Spring Latch-Lock Handle (LS)
Pneumatic Actuator
Electric Actuator
Electric Actuator
Assemble Dry (AD)
Grounded Ball (GB)
Grounded Stem (GS)
Vented Ball (VB)

41 Series

Stainless Handle (SH)
Stainless Oval Handle (OS)
Stainless Latch Lock Handle (LL)
Carbon-Steel Oval Handle (OH)
Locking Spring-Return Stainless-Steel
Oval Handle (LO)
Extended Handle (XH)
Stainless Spring Latch Lock Handle (LS)

HIGH-PRESSURE, SEAL-WELDED, FIRE-SAFE

Full Port

41CS0F-02-LL

Carbon Steel Body, Stainless Steel Ball & Stem, Available with Socket-Weld, Extended Butt-Weld Ends and 3,000-lb. Configuration (Consult Factory), Actuator Mounting Pads, Threaded Class 900 1/2" thru 1-1/2" Class 600 2"

41SS0F-02-LL

Stainless Steel Body, Stainless
Steel Ball & Stem, Available
with Socket-Weld, Extended
Butt-Weld Ends and 3,000-lb.
Configuration (Consult Factory),
Actuator Mounting Pads,
Threaded
Class 900 1/2" thru 1-1/2"
Class 600 2"

2-PIECE, SEAL-WELDED

Standard Port

22CSOR-N1

Carbon Steel Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Actuator Mounting Pads, Threaded 2000 WOG 1/4" thru 1" 1500 WOG 1-1/4" thru 2"

22SSOR-N1

Stainless Steel Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Actuator Mounting Pads, Threaded 2000 WOG 1/4" thru 1" 1500 WOG 1-1/4" thru 2"



30SS0F-02



30BS0F-02



30CS0F-02



30SS0F-02-L0

Options/Accessories 30 Series

Stainless Latch Lock Handle (LL)
Locking Stainless-Steel Oval
Handle (LO)
Stainless-Steel Latch Lock SpringLoaded Handle (LS)
Stainless-Steel Oval Handle (OS)
Extended Handle 2" (XH)
Extended Handle 4 1/2" (XLH)
Extended Handle (XH)
Pneumatic Actuator
Electric Actuator
Electric Actuator
Grounded Ball (GB)
Grounded Ball (GB)
Grounded Stem (GS)
Vented Ball (VB)

3-PIECE, THREADED

Full Port

30BB0F-02

600 WOG, Bronze Body, Chrome Plated Ball & Stem, RPTFE Seats, PTFE V-Ring Packing, Threaded, Available with Solder, Actuator Mounting Pads 1/4" thru 2"

30BS0F-02

600 WOG, Bronze Body, Stainless Steel Ball & Stem, RPTFE Seats, PTFE V-Ring Packing, Actuator Mounting Pads, Threaded, Available with Solder 1/4" thru 2"

30CS0F-02

1000 WOG, Carbon Steel Body, Stainless Steel Ball & Stem, RPTFE Seats, PTFE V-Ring Packing, Actuator Mounting Pads, Threaded, Available with Socket-Weld 1/4" thru 2"

30SS0F-02

1000 WOG, Stainless Steel Body, Stainless Steel Ball & Stem, RPTFE Seats, PTFE V-Ring Packing, Actuator Mounting Pads, Threaded, Available with Socket-Weld 1/4" thru 2"





35RCSON-LL

Options/Accessories

35 series
Latch Lock Handle (LL)
Locking Stainless-Steel Oval (LO)
Extended Handle (XH)
Pneumatic Actuator
Electric Actuator
Assemble Dry (A)
Chlorine Cleaned (Stainless Only) (C)
Oxygen Cleaned (O)

3-PIECE, ENCLOSED-BOLT, FIRE-SAFE

Standard Port

35RCSON-LL

2000 WOG, Carbon Steel Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Fire-Safe to API 607, Live Loaded Graphite Packing, Actuator Mounting Pads, Threaded, Available with Socket-Weld 1/4" thru 2"

35RSSON-LL

2000 WOG, Stainless Steel Body, Stainless Steel Ball & Stem, Live Loaded Flexible Graphite Packing, TEFLON® NXT-75 Seats, Fire-Safe to API 607, Actuator Mounting Pads, Threaded, Available with Socket-Weld 1/4" thru 2"

Full Port

35FCSON-LL

2000 WOG, Carbon Steel Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Fire-Safe to API 607, Live Loaded Graphite Packing, Actuator Mounting Pads, Threaded, Available with Socket-Weld 1/4" thru 2"

35FSSON-LL

2000 WOG, Stainless Steel Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Fire-Safe to API 607, Live Loaded Graphite Packing, Actuator Mounting Pads, Threaded, Available with Socket-Weld 1/4" thru 2"





C SERIES — COMMERCIAL BUTTERFLY

Concentric valve to MSS SP-67, Available in lug or wafer body. CL Series IAPMO tested and certified against NSF/ANSI 372 for lead-free* compliance. Body: Cast Iron ASTM A126 Class B Disc: AlBr (Aluminum Bronze)

Stem: 416 Stainless Steel

Liner: EPDM

2" thru 12" rated at 200 WOG 14" thru 48" rated at 150 WOG

These valves are based on our M Series, but intended for commercial applications in **HVAC** and similar systems. The valves feature a phenolic-backed rubber seat with optimized disc and stem design for reliable sealing, low torque, and long life. C Series valves from 2" thru 12" are approved by the U.S. Coast **Guard for Category A service.** Lug butterfly valves 2" thru 12" are bi-directional dead-end service to 200 psig max. Valves 14" thru 24" are rated for uni-directional dead-end service to 150 psig. The valves are available with 10-position locking-lever handles (up to 12 inch) and gear operators.







M SERIES — INDUSTRIAL BUTTERFLY*

Concentric valve to MSS SP-67, Available in lug or wafer body. Disc: Ni-plated Ductile Iron, AlBr, or Stainless Steel, nylon and epoxy-coated optional.
Stem: 416 or 316 Stainless Steel. Liner: EPDM, Buna, FDA Neoprene, PTFE, Hypalon, and many other options.
Body: Cast iron ASTM A126 Class B or Ductile Iron ASTM A536 65-45-12
2" thru 12" rated at 200 WOG 14" thru 48" rated at 150 WOG

These valves feature a phenolic-backed rubber seat with optimized disc and stem design for reliable sealing, low torque, and long life. 2" thru 12" are approved by the U.S. Coast Guard for Category A service. Lug butterfly valves 2" thru 12" are bi-directional dead-end service to 200 psig max. BUNA and EPDM only. All others 150 psig uni-directional field repairable. Valves 14" thru 24" rated for uni-directional dead-end service to 150 psig. The valves are available with on-board actuation direct from the factory, 10 position locking lever handles (up to 12 inch), gear operators, or other options consult the factory.

 Available in Low Lead ML133E/233E/333E 2" thru 12"
 ML133E/333E 14" thru 24"

BUTTERFLY VALVES







LEAD-FREE COMMERCIAL BUTTERFLY

ML133E/233E/333E

Cast Iron Body, Lug Style, Aluminum Bronze Disc, EPDM Liner, Bi-Directional Dead-End Service 200 psig Max, IAPMO Tested and certified against NSF/ANSI 372 for "Lead-free" compliance. 2" thru 12"

ML133E/333E

Cast Iron Body, Lug Style, Aluminum Bronze Disc, EPDM Liner, Bi-Directional Dead-End Service 200 psig Max 2" thru 12", Uni-Directional Dead-End Service 150 psig Max, 14" thru 24", IAPMO Tested and certified against NSF/ANSI 372 for "Lead-free" compliance.

CL Series

Cast Iron Body, Lug Style, Aluminum Bronze Disc, EPDM Liner, Bi-Directional Dead-End Service 200 psig Max 2" thru 12", Uni-Directional Dead-End Service 150 psig Max, 14" thru 24", IAPMO Tested and certified against NSF/ANSI 372 for "Lead-free" compliance.



HPILCS WITH LEVER HANDLE



HPILCS WITH GEAR OPERATOR



HPILSS WITH GEAR OPERATOR

HP SERIES HIGH PERFORMANCE BUTTERFLY

Double offset valve designed to MSS SP-68, ASME B16.34, and API 609, Category B. Available in lug or wafer body, ANSI Class 150 and 300 in sizes 2-1/2"

thru 36"

Body: A216 WCB carbon steel or ASTM A351 CF8M

Stainless Steel

Disc: ASTM A351 CF8M

Stainless Steel Stem: 17-4PH or 316

Stainless Steel

Seats: RTFE standard, Virgin PTFE, UHMWPE and other

options.

These valves feature a double offset seat and disc design for superior sealing with no leakage and minimal seat contact and wear. The valves are available with on-board actuation direct from the factory, 10 position locking lever handles (up to 8 inch), gear operators on all valves, for other actuation options or accessories, consult the factory.





H SERIES — HIGH-PRESSURE INDUSTRIAL BUTTERFLY

Concentric valve to MSS SP-67, Available in lug or wafer body. Body: Ductile iron ASTM A536 65-45-12

Disc: Ni Plated DI, AlBr, or Stainless Steel.

Stem: 416 or 316 Stainless Steel Liner: EPDM, Buna, Viton.

2" thru 12" rated at 250 WOG 14" thru 24" rated at 200 WOG

The H Series is tested and rated for higher-pressure services. H Series Valves from 2" thru 12" are approved by the U.S. Coast Guard for Category A service. Lug butterfly valves 2" thru 12" are uni-directional dead-end service to 200 psig max. BUNA and EPDM only. Valves 14" thru 24" are rated for uni-directional dead end service to 150 psig.







U SERIES — LOW-PRESSURE BUTTERFLY

Concentric Valve to MSS SP-67, Available in lug or wafer body 2" thru 12" rated at 50 WOG

The U Series is a low pressure version of our M Series valve, with a reduced interference seat to reduce torque. These valves are available with a special low friction coating on the liner as an option to further reduce torque and wear in dry bulk services. The valves are available with on-board actuation direct from the factory, 10 position locking lever handles (up to 12 inch), gear operators, or other options — consult the factory.

BRONZE BUTTERBALL® BUTTERFLY

BB2-100

175 psig, Threaded 1/4" thru 2" (1/2" thru 2" UL/CSA)

BB2-350

175 psig, Solder 3/8" thru 2"

BB1-10A0

175 psig, Threaded, Actuator Mounting Pads 1" thru 2"



35 SERIES BALL VALVE WITH PNEUMATIC ACTUATOR



F20 SERIES BALL VALVE WITH PNEUMATIC ACTUATOR WITH LIMIT SWITCH

PNEUMATIC ACTUATION

Actuation Options
Double-Acting Actuators
Spring-Return Actuators
Solenoid Valves
Actuator Brackets
Limit Switches
Valve Positioners

2-Piece Ball Valves

Available on Threaded-End Valves. Available on Bronze, Carbon-Steel and Stainless-Steel Valves. Available on 1/2" thru 2" Valves.

3-Piece Ball Valves

Available on Threaded-End and Socket-Weld-End Valves. Available on Bronze, Carbon-Steel and Stainless-Steel Valves. Available on 1/2" thru 2" Valves.

Flanged-End Ball Valves

Available on 150 and 300 lbs. Class Valves. Available on 1/2" thru 12" Valves.



ML SERIES BUTTERFLY VALVE WITH PNEUMATIC ACTUATOR



HP SERIES LUG BUTTERFLY VALVE WITH PNEUMATIC ACTUATOR

continued PNEUMATIC ACTUATION

Actuation Options
Double-Acting Actuators
Spring-Return Actuators
Solenoid Valves
Actuator Brackets
Limit Switches
Valve Positioners

Butterfly Valves

Available on HP Series High-Performance Butterfly Available in Wafer and Lugged Patterns.

Available on 2" thru 48" Valves. Available on Class 150 2-1/2" thru 36".

Available on Class 300 2-1/2" thru 36".

Available on C and M Series Butterfly Valves.

Available on Wafer and Lugged Patterns.

Available on 2" thru 48".



BA-260 BALL VALVE WITH ELECTRIC ACTUATOR



35 SERIES BALL VALVE WITH ELECTRIC ACTUATOR

ELECTRIC ACTUATION

Actuation Options
120 Volt AC and DC Voltages
NEMA 4 and 7 Housings
4-20 maDC Valve Positioners
Actuator Brackets
Extra Limit Switches
Reversing Actuators

2-Piece Ball Valves

Available on Threaded-End Valves. Available on Bronze, Carbon-Steel and Stainless-Steel Valves. Available on 1/2" thru 2" Valves.

3-Piece Ball Valves

Available on Threaded-End and Socket-Weld-End Valves. Available on Bronze, Carbon-Steel and Stainless-Steel Valves. Available on 1/2" thru 2" Valves.

Flanged-End Ball Valves

Available on 150 and 300 lbs. Class Valves Available on 1/2" thru 12" Valves



CL SERIES BUTTERFLY VALVE WITH ELECTRIC ACTUATOR



HP SERIES LUG BUTTERFLY VALVE WITH ELECTRIC ACTUATOR

continued ELECTRIC ACTUATION

Actuation Options
120 Volt AC and DC Voltages
NEMA 4 and 7 Housings
4-20 maDC Valve Positioners
Actuator Brackets
Extra Limit Switches
Reversing Actuators

Butterfly Valves

Available on C and M Series Iron Butterfly Valves and HP Series High-Performance Butterfly Valves.

Available in Wafer and Lugge

Available in Wafer and Lugged Patterns.

Available on 2" thru 48" valves. Available on Class 150 2-1/2" thru 36".

Available on Class 300 2-1/2" thru 36".

Available on C and M Series Butterfly Valves.

Available on Wafer and Lugged Patterns.

Available on 2" to 48" valves





115



1186



UP667

BRONZE GATE VALVES, NON-RISING STEM

Threaded End

105

125 SWP-200 WOG, MSS SP-80, Threaded Bonnet 1/4" thru 4"

1140

150 SWP-300 WOG, MSS SP-80, Threaded Bonnet 1/4" thru 4"

1141

150 SWP-300 WOG, MSS SP-80, Union Bonnet 1/4" thru 2"

1176

200 SWP-400 WOG, Stainless-Steel Seats, MSS SP-80, Union Bonnet 1/4" thru 2"

1186

300 SWP-1000 WOG, Stainless-Steel Seats, MSS SP-80, Union Bonnet 1/4" thru 2"

UP105 *

UltraPure Lead Free Bronze, Threaded, 300 WOG, MSS SP-80, Threaded Bonnet 1/4" thru 2"

UP667 *

UltraPure Lead Free Brass, Threaded, 200 WOG, Threaded Bonnet 1/4" thru 2"

Solder End

115

125 SWP-200 WOG, MSS SP-80, Threaded Bonnet 3/8" thru 4"



UP115



105 P2



148



148 P2

UP115 *

UltraPure Lead-Free Bronze, 300 WOG, MSS SP-80, Threaded Bonnet 3/8" thru 2"

UP668 *

UltraPure Lead-Free Brass, Solder, 200 WOG, Threaded Bonnet 1/4" thru 2"

Press x Press Ends



105 P2

200 psig @ 250°F, MSS SP-80, Threaded Bonnet 1/2" thru 2"

1141 P2

200 psig @ 250°F, MSS SP-80, Union Bonnet 1/2" thru 2"

UP105 P2 *

UltraPure Lead-Free Bronze, 200 psig @ 250°F, MSS SP-80, Threaded Bonnet 1/2" thru 2"

BRONZE GATE VALVES, RISING STEM

Threaded End

148

125 SWP-200 WOG, MSS SP-80, Threaded Bonnet 1/4" thru 4"

1150

150 SWP-300 WOG, MSS SP-80, Threaded Bonnet 1/4" thru 4"

Press x Press Ends



148 P2

125 SWP-200 psig @ 250°F, MSS SP-80, Threaded Bonnet 1/2" thru 2"



UP 148



149

continued

BRONZE GATE VALVES, RISING STEM

Threaded End

IIP148 *

UltraPure Lead-Free Bronze, 300 WOG, MSS SP-80, Threaded Bonnet 1/4" thru 2"

1152

125 SWP-200 WOG, MSS SP-80, Union Bonnet 1/4" thru 3"

1151

150 SWP-300 WOG, MSS SP-80, Union Bonnet 1/4" thru 3"

1153

200 SWP-400 WOG, Bronze Seats, MSS SP-80, Union Bonnet 1/4" thru 3"

1156

200 SWP-400 WOG, Cu-Ni Seat Ring, MSS SP-80, Union Bonnet 1/4" thru 2"

1174

200 SWP-400 WOG, Stainless-Steel Seat Ring, MSS SP-80, Union Bonnet 1/4" thru 3"

1182

300 SWP-1000 WOG, Cu-Ni Seat Ring, MSS SP-80, Union Bonnet 1/4" thru 2"

1184

300 SWP-1000 WOG, Stainless-Steel Seat Ring, MSS SP-80, Union Bonnet 1/4" thru 3"

Solder End

149

125 SWP-200 WOG, MSS SP-80, Threaded Bonnet 3/8" thru 4"



1169



UP149



UP148 P2



continued

BRONZE GATE VALVES, RISING STEM

Solder End

1169

150 SWP-300 WOG, MSS SP-80, Union Bonnet 3/8" thru 3"

UP149 *

UltraPure Lead-Free Bronze, 300 WOG, MSS SP-80, Threaded Bonnet 3/8" thru 2"

Press x Press Ends

148 P2 ULTRA PRESS

200 psig @ 250°F, MSS SP-80, Threaded Bonnet 1/2" thru 2"

1152 P2

200 psig @ 250°F, MSS SP-80, Union Bonnet 1/2" thru 2"

UP148 P2 *

UltraPure Lead-Free Bronze, 200 psig @ 250°F, MSS SP-80, Threaded Bonnet 1/2" thru 2"

QUICK-OPENING GATE VALVES

Threaded Ends

P900

150 WSP-300 WOG, Spring-Loaded Handle 1" thru 3"

P901

150 WSP-300 WOG, Quick-Open Lever Handle 1/2" thru 4"

902

150 WOG O-Ring Seal, Quick-Open Lever with Springs 3/4" and 1-1/4"



570

593A



BRONZE GLOBE VALVES

Threaded Ends

502

125 SWP-200 WOG, MSS SP-80, Bronze Disc, Threaded Bonnet 1/8" thru 3"

600

200 SWP-400 WOG, MSS SP-80, Needle Disc, Threaded Bonnet 1/8" thru 3/4"

590T

150 SWP-300 WOG, MSS SP-80, PTFE Disc, Union Bonnet 1/8" thru 3"

591A

150 SWP-300 WOG, MSS SP-80, SS Seat & Disc, Union Bonnet 1/4" thru 2"

570

200 SWP-400 WOG, MSS SP-80, Bronze Disc, Union Bonnet 1/8" thru 3"

572

300 SWP-1000 WOG, MSS SP-80, Bronze Disc, Union Bonnet 1/4" thru 2"

5**0**24

200 SWP-400 WOG, MSS SP-80, SS Seat & Disc, Union Bonnet 1/4" thru 2"

593A

300 SWP-1000 WOG, MSS SP-80, SS Seat & Disc, Union Bonnet 1/4" thru 2"

UP502 *

UltraPure Lead-Free Bronze, 300 WOG, MSS SP-80, Bronze Disc, Threaded Bonnet 1/8" thru 2"







UP1502



continued

BRONZE GLOBE VALVES

Solder Ends

1502

125 SWP-200 WOG, MSS SP-80, Bronze Disc, Threaded Bonnet 3/8" thru 2"

1590T

150 SWP-300 WOG, MSS SP-80, PTFE Disc, Union Bonnet 1/2" thru 3"

UP1502 *

UltraPure Lead-Free Bronze, 300 WOG, MSS SP-80, Bronze Disc, Threaded Bonnet 3/8" thru 2"

Press x Press Ends

502 P2

200 psig @ 250°F, MSS SP-80, Bronze Disc, Threaded Bonnet 1/2" thru 2"

590T P2

200 psig @ 250°F, MSS SP-80, PTFE Disc, Union Bonnet 1/2" thru 2"

UP502 P2 *

UltraPure Lead-Free Bronze, 200 psig @ 250°F, MSS SP-80, Bronze Disc, Threaded Bonnet 1/2" thru 2"



595T



509T

BRONZE ANGLE VALVES

Threaded Ends

504

125 SWP-200 WOG, MSS SP-80, Bronze Disc, Threaded Bonnet 1/4" thru 2-1/2"

582

300 SWP-600 WOG, MSS SP-80, Bronze Disc, Union Bonnet 1/4" thru 2"

595T

150 SWP-300 WOG, MSS SP-80, PTFE Disc, Union Bonnet 1/4" thru 2"

BRONZE CHECK VALVES HORIZONTAL SWING CHECK

Threaded Ends

509

Bronze, 125 SWP-200 W0G, MSS SP-80, Brass Disc (1/4" - 1-1/2"), Bronze Disc (2"- 3") 1/4" thru 3"

509T

Bronze, 125 SWP-200 WOG, MSS SP-80, PTFE Disc 1/4" thru 2"

510T

Bronze, 150 SWP-300 WOG, MSS SP-80, PTFE Disc 1/4" thru 2"

515

Bronze, 150 SWP-300 WOG, MSS SP-80, Bronze Disc 1/4" thru 2"

UP509 *

UltraPure Lead-Free Bronze, 300 WOG (1/4" thru 2"), 200 WOG (2-1/2" thru 3"), MSS SP-80, Bronze Disc, Threaded 1/4" thru 3"



1509



969



UP509 P2

continued

BRONZE CHECK VALVES HORIZONTAL SWING CHECK

UP967 *

UltraPure Lead Free Brass, Brass Disc, 200 WOG 3/8" thru 3"

Solder Ends

1509

Bronze, 125 SWP-200 WOG, MSS SP-80, Bronze Disc 3/8" thru 3"

1509T

Bronze, 125 SWP-200 WOG, MSS SP-80, PTFE Disc 3/8" thru 2"

1510T

Bronze, 150 SWP-300 WOG, MSS SP-80, PTFE Disc (Also available w/Bronze Disc) 1/2" thru 2"

UP1509 *

UltraPure Lead-Free Bronze, 300 WOG, MSS SP-80, Bronze Disc 3/8" thru 3"

UP968 *

UltraPure Lead-Free Brass, 200 WOG, Brass Disc 3/8" thru 3"

Press x Press Ends

509 P2 ULTRA PRESS

Bronze, 200 psig @ 250°F, MSS SP-80, Brass Disc 1/2" thru 2"

969

Brass, 200 psig @ 250°F, Brass Disc, Integral Seat 1/2" thru 2"

UP509 P2 *

UltraPure Lead-Free Bronze, 200 psig @ 250°F, Brass Disc, MSS SP-80 1/2" thru 2"

BRONZE VALVES



509Y



548B P2

continued

BRONZE CHECK VALVES HORIZONTAL SWING CHECK

UP969 *

UltraPure Lead-Free Brass, Brass Disc, 200 psig @ 250°F 1/2" thru 2"

HORIZONTAL SWING CHECK — Y PATTERN

Threaded Ends

507

Bronze, 300 SWP-600 WOG, MSS SP-80, Bronze Disc 1/4" thru 3"

508

Bronze, 200 SWP-400 WOG, MSS SP-80, Bronze Disc 1/4" thru 3"

509Y

Bronze, 125 SWP-200 WOG, MSS SP-80, Bronze Disc 1/4" thru 3"

515Y

Bronze, 150 SWP-300 WOG, MSS SP-80, Bronze Disc 1/4" thru 3"

Press x Press Ends

ULTRA PRESS

509Y P2

Bronze, 200 psig @ 250°F, MSS SP-80, Bronze Disc 1/2" thru 2"



UP548T



1548T



UP548T P2

SPRING-LOADED LIFT CHECK

Threaded Ends

548B

Bronze, 250 WOG, MSS SP-80, BUNA Disc 3/8" thru 2"

548T

Bronze, 250 WOG, MSS SP-80, PTFE Disc 3/8" thru 2"

UP548T *

UltraPure Lead-Free Bronze, PTFE Disc, 250 WOG, MSS SP-80 3/8" thru 2"

Solder Ends

1548T

Bronze, 250 WOG, MSS SP-80, PTFE Disc 3/8" thru 2"

1548B

Bronze, 250 WOG, MSS SP-80, BUNA Disc 3/8" thru 2"

UP1548T *

UltraPure Lead-Free Bronze, PTFE Disc, 250 WOG, MSS SP-80 3/8" thru 2"

Press Ends



548B P2

Bronze, 200 psig @ 250°F, MSS SP-80, Buna Disc 1/2" thru 2"

548T P2

Bronze, 200 psig @ 250°F, MSS SP-80, PTFE Disc 1/2" thru 2"

UP548T P2 *

UltraPure Lead-Free Bronze, 200 psig @ 250°F, PTFE Disc, MSS SP-80 1/2" thru 2"





CAST STEEL GATE

1550CB2

Class 150, Flanged, API 600, ASME B16.34 Design, API 598 Tested, Available in Butt-weld, Consult Factory. 2" thru 24"

3050CB2

Class 300, Flanged, API 600, ASME B16.34 Design, API 598 Tested, Available in Butt-weld, Consult Factory. 2" thru 24"

6050CB2

Class 600, Flanged, API 600, ASME B16.34 Design, API 598 Tested, Available in Butt-weld, Consult Factory. 2" thru 12"

CAST STEEL GLOBE

1560CB2

Class 150, Flanged, API 600, ASME B16.34 Design, API 598 Tested, Available in Butt-weld, Consult Factory. 2" thru 12"

3060CB2

Class 300, Flanged, API 600, ASME B16.34 Design, API 598 Tested, Available in Butt-Weld, Consult Factory. 2" thru 10"

6060CB2

Class 600, Flanged, API 600, ASME B16.34 Design, API 598 Tested, Available in Butt-Weld, Consult Factory. 2" thru 8"



CAST STEEL CHECK

1570CB2

Class 150, Flanged, API 600, ASME B16.34 Design, API 598 Tested, Available in Butt-Weld, Consult Factory. 2" thru 24"

3070CB2

Class 300, Flanged, API 600, ASME B16.34 Design, API 598 Tested, Available in Butt-Weld, Consult Factory.

2" thru 12" 6070CB2

Class 600, Flanged, API 600, ASME B16.34 Design, API 598 Tested, Available in Butt-Weld, Consult Factory.

2" thru 12"





IRON GATE

2882A or 2882M

125 SWP 200 WOG, Non-Rising Stem, IBBM, MSS SP-70 A Available 2" thru 12" M Available 2" thru 24"

2882A26 or 2882M26

125 SWP 200 WOG, Non-Rising Stem, All Iron, MSS SP-70 A Available 2" thru 12" M Available 2" thru 24"

2885A or 2885M

125 SWP 200 WOG, OS & Y, IBBM, MSS SP-70 A Available 2" thru 12" M Available 2" thru 24"

2885A26 or 2885M26

125 SWP 200 WOG, OS & Y, All Iron, MSS SP-70 A Available 2" thru 12" M Available 2" thru 12"

2885M13

3% Nickel Iron, OS & Y, Iron Body, SS Trim, MSS SP-70 2" thru 12"

2894A or 2894M

250 WSP 500 WOG, OS & Y, IBBM, MSS SP-70 A Available 2" thru 12" M Available 2" thru 12"





IRON CLIP GATE

2887M

150 SWP 225 WOG, Bronze Trim, Threaded 1/4" thru 2" 125 SWP 175 WOG, Bronze Trim, Threaded 2" thru 4"

2888M

150 SWP 225 WOG, All Iron, Threaded 1/4" thru 2" 125 SWP 175 WOG, All Iron, Threaded 2-1/2" thru 4"

IRON GLOBE

2981A or 2981M

125 SWP 200 WOG, MSS SP-85 A Available 2" thru 10" M Available 2" thru 10"

2983A or 2983M

250 SWP 500 WOG, IBBM, MSS SP-85 A Available 2-1/2" thru 6" M Available 2-1/2" thru 6"

2986M

Angle Globe, 125 SWP, 200 WOG, MSS SP-85 2" thru 8"

2986M-SC

Angle Stop Check, Globe Style, 125 SWP, 200 WOG, MSS SP-85 2" thru 8"





2974MLW



IRON CHECK

2974A or 2974M

125 SWP 200 WOG, IBBM, MSS SP-71 A Available 2" thru 12" M Available 2" thru 24"

2974MLW

125 SWP 200 WOG, IBBM, MSS SP-71, Lever and Weight, 2" thru 12"

2974A26 or 2974M26

125 SWP 200 WOG, All Iron, A Available 2" thru 12" M Available 2" thru 24"

2974M13

3% Nickel Iron, 125 SWP, 200 WOG Iron Body, Stainless-Steel Trim, MSS SP-71 2" thru 12"

2970M

250 SWP 500 WOG, IBBM, MSS SP-71 2-1/2" thru 6"



1400



SILENT CHECK

1400

Class 125, Wafer-Style Cast-Iron Body, Stainless-Steel Disc, Stainless-Steel Spring, Meets Senate Law S3874 2" thru 10" (Also Available Class 250)

1800

Class 125, Globe-Style Cast-Iron Body, Stainless-Steel Disc, Stainless-Steel Spring, Meets Senate Law S3874 2-1/2" thru 42" (Also Available Class 250)

NON-SLAM CHECK 8800

Class 125, Wafer-Style Cast-Iron Body, Stainless-Steel Double Disc 2" thru 16"

FIRE PROTECTION VALVES



UPBBTSCS02



LEAD-FREE BRONZE SLO-CLOSE SPRINKLER-CONTROL VALVE INDOOR/ OUTDOOR*

UPBBTSC

175 psig, UL/FM, Slo-Close with Position Indicator, IAPMO Tested and Certified, Less Tamper Switch, NPT-Threaded Ends 1" - 2"

UPBBTSCS02

NPT-Threaded Ends,175 psig, UL/FM, Slo-Close with Position Indicator, Tamper Switch 1" thru 2"



BBVSC100

SLO-CLOSE SPRINKLER-CONTROL VALVE INDOOR/ OUTDOOR

BB-SC100

175 psig, UL/FM, Slo-Close w/Position Indicator, Less Tamper Switch, Indoor/Outdoor, Threaded 1" thru 2-1/2"

BB-SCS02

175 psig, UL/FM, Slo-Close w/Position Indicator, With Tamper Switch, Indoor/Outdoor, Threaded 1" thru 2-1/2"

BBVSC100

175 psig, UL/FM, Slo-Close w/Position Indicator, Less Tamper Switch, Indoor/Outdoor, Grooved 2" and 2-1/2"

BBVSCS02

175 psig, UL/FM, Slo-Close w/Position Indicator, With Tamper Switch, Indoor/Outdoor, Grooved 2" and 2-1/2"



2885-FP



IRON GATE

2885-FP OS & Y Bronze Trim, 175 WOG UL/FM 2-1/2" thru 8"

IRON CHECK VALVE

175 WOG, UL/FM, Rubber Disc 2-1/2" thru 8"



118-FP





BB2FP

BRONZE GATE VALVE WITH UL/FM TRIM

118-FP

OS & Y, UL/FM, NPT Threaded 1" thru 2"

HIGH-RISE SPRINKLER-CONTROL **VALVE**

BBHSC100

350 psig, Less Tamper Switch, **Threaded** 1" thru 2-1/2"

BBHSC02

350 psig, With Tamper Switch, Threaded 1" thru 2-1/2"

BVHSC100

350 psig, Less Tamper Switch, Grooved 2" and 2-1/2"

BVHSCS02 350 psig, With Tamper Switch, Grooved 2" and 2-1/2"

BUTTERBALL TRIM VALVES UL/FM

BB2FP

175 psig, Quarter Turn, UL-Listed, FM-Approved, **NPT Threaded Ends** 1/2" thru 2"



LEAD-FREE* VALVES FOR POTABLE WATER SERVICE



UPBA-100TIH



UPBA-150H

Options/Accessories UPBA-100/150 UPBA-400/450

UBA-400/450
INSULATOR Handle (TIH)
Oval Handle (OH)
Locking Oval Handle (LO)
Stainless-Steel Handle (SH)
Tee Handle (TH)
Locking Handle (LD)
Extension Handle (XH)
Extension Handle w/Memory Stop (XM)
Memory Stop (MS)
Chain Lever (CL)

2-PIECE Ultra Pure LEAD-FREE BRONZE BALL VALVES

Standard Port

UPBA-100 / UPBA-100S *

600 WOG, MSS SP-110, Threaded, UPBA-100S with Stainless Steel Ball & Stem 1/4" thru 3"

UPBA-150 / UPBA-150S *

600 WOG, MSS SP-110, Solder, UPBA-150S with Stainless Steel Ball & Stem 3/8" thru 3"

UPBA-100 P2 / UPBA-100S P2 *

200 psig @ 250°F, MSS SP-110, Press X Press, UPBA-100S P2 with Stainless Steel Ball and Stem 1/2" thru 2"

Full Port

UPBA-100H *

600 WOG, Threaded with Hose-End, Cap and Chain 1/2" and 3/4"

UPBA-150H *

600 WOG, Solder with Hose-End, Cap and Chain 1/2" and 3/4"

UPBA-400 / UPBA-400S *

600 W0G, MSS SP-110, Threaded, UPBA-400S with Stainless Steel Ball & Stem 1/4" thru 2"

UPBA-450 / UPBA-450S *

600 W06, MSS SP-110, Solder, UPBA-450S with Stainless Steel Ball & Stem 1/2" thru 2"

UPBA-100H P1 *

200 psig @ 250°F, MSS SP-110, Press X Hose-End 1/2" and 3/4"



UPBA-400 P2 XH



UPBA-475B



UPBA-481BXH

Options/Accessories UPBA-400/450

INSULATOR Handle (TIH)
Oval Handle (OH)
Locking Oval Handle (LO)
Stainless-Steel Handle (SH)
Tee Handle (TH)
Locking Handle (LD)
Extension Handle (XH)
Extension Handle w/Memory Stop (XM)
Memory Stop (MS)
Chain Lever (CL)

UPBA-475B/485B UPBA-480B/490B

INSULATOR Handle (TIH)
Oval Handle (OH)
Stainless-Steel Handle (SH)
Tee Handle (TH)
Extension Handle (XH)
Extension Handle with Memory Stop (XM)
Memory Stop (MS)

2-PIECE Ultra Pure LEAD-FREE BRONZE BALL VALVES

UPBA-400 P2 / UPBA-400S P2 *

200 psig @ 250°F, MSS SP-110, Press X Press, UPBA-400S P2 with Stainless Steel Ball and Stem 1/2" thru 2"

2-PIECE Ultra Pure LEAD-FREE BRASS BALL VALVES*

UPBA-475B *

600 WOG (1/2" thru 2"), 400 WOG (2-1/2" thru 3"), MSS SP-110, UL/CSA Rated to 2", Threaded 1/4" thru 3"

UPBA-485B *

600 W0G (1/2" thru 2"), 400 W0G (2-1/2" thru 3"), MSS SP-110, Solder 1/2" thru 3"

Full Port

UPBA-480B / UPBA-480S *

200 psig @ 250°F, MSS SP-110, Press X Press, UPBA-480S with Stainless Steel Ball and Stem 1/2" thru 4"

UPBA-480SH *

200 psig @ 250°F, MSS SP-110, Press X Hose-End 1/2" thru 3/4"

UPBA-481B / UPBA-481S *

200 psig @ 250°F, MSS SP-110, Extension Stem With Memory Stop, Press X Press, UPBA-481S with Stainless Steel Ball and Stem 1/2" thru 2"



UPBA-490B



UPBA-491B



UPBA-350

Options/Accessories UPBA-480B/490B UPBA-300/350

INSULATOR Handle (TIH) Oval Handle (OH) Stainless-Steel Handle (SH) Tee Handle (TH) Extension Handle (XH) Extension Handle with Memory Stop (XM) Memory Stop (MS) Chain Lever (CL)

continued 2-PIECE Ultra Pure **LEAD-FREE BRASS** BALL VALVES

UPBA-490B / UPBA-490S *

200 psig @ 250°F, MSS SP-110, Press X Threaded, UPBA-490S with Stainless Steel Ball and Stem 1/2" thru 4"

UPBA-490SH *

200 psig @ 250°F, MSS SP-110, Press X Hose 1/2" and 3/4"

UPBA-491B / UPBA-491S *

200 psig @ 250°F, MSS SP-110, **Extension Stem with Memory Stop,** Press X Threaded, UPBA-491S with Stainless Steel Ball and Stem 1/2" thru 2"

3-PIECE Ultra Pure **LEAD-FREE BRONZE BALL VALVES**

Full Port

UPBA-300 / UPBA-300S *

600 WOG, MSS SP-110, Threaded, **UPBA-300S** with Stainless Steel Ball & Stem 1/4" thru 3"

UPBA-350 / UPBA-350S *

600 WOG, MSS SP-110, Solder, **UPBA-350S** with Stainless Steel Ball & Stem 3/8" thru 3"

UPBA-300 P2 / UPBA-300S P2 *

200 psig @ 250°F, MSS SP-110, Press X Press, UPBA-300S P2 with Stainless Steel Ball & Stem 1/2" thru 2"



UP105



UP105 P2





LEAD-FREE BRONZE GATE VALVES

Non-Rising Stem

UP105 *

300 WOG, MSS SP-80, Threaded Bonnet, Threaded 1/4" thru 2"

UP115 *

300 WOG, MSS SP-80, Threaded Bonnet, Solder 3/8" thru 2"

UP105 P2 *

200 psig @ 250°F, MSS SP-80, Threaded Bonnet, Press X Press 1/2" thru 2"

Rising Stem

UP148 *

300 WOG, MSS SP-80, Threaded Bonnet, Threaded 1/4" thru 2"

UP149 *

300 WOG, MSS SP-80, Threaded Bonnet, Solder 1/2" thru 2"

UP148 P2 *

200 psig @ 250°F, MSS SP-80, Threaded Bonnet, Press X Press 1/2" thru 2"



LEAD-FREE BRASS GATE VALVES

Non-Rising Stem

UP667 *

200 WOG, Threaded Bonnet, Threaded 1/4" thru 2"

UP668 *

200 WOG, Threaded Bonnet, Solder 1/2" thru 2"



LEAD-FREE* VALVES FOR POTABLE WATER SERVICE



UP502 P2



UP1502



UP509



LEAD-FREE BRONZE GLOBE VALVES

UP502 *

300 WOG, MSS SP-80, Threaded Bonnet, Threaded 1/8" thru 2"

UP1502 *

300 WOG, MSS SP-80, Threaded Bonnet, Solder 3/8" thru 2"

UP502 P2 *

200 psig @ 250°F, Press X Press, MSS SP-80, Threaded Bonnet, Press X Press 1/2" thru 2"



LEAD-FREE BRONZE CHECK VALVES

Horizontal Swing Check

UP509 *

300 WOG, Bronze Disc, MSS SP-80, Threaded 1/4" thru 3"

UP1509 *

300 WOG, Bronze Disc, MSS SP-80, Solder 3/8" thru 3"

UP509 P2 *

300 WOG, Bronze Disc, MSS SP-80, Press X Press 1/2" thru 2"



UP968



UP969



UP548T P2

continued



LEAD-FREE CHECK VALVES

UP967 *

Brass, 200 WOG, Brass Disc, Threaded 3/8" thru 3"

UP968 *

Brass, 200 WOG, Brass Disc, Solder 3/8" thru 3"

UP969 *

Bronze, 200 psig @ 250°F, Brass Disc, Press x Press 1/2" thru 2"



LEAD-FREE SPRING LOAD LIFT CHECK VALVES

UP548T *

PTFE Disc, 250 WOG, MSS SP-80, Threaded 3/8" thru 2"

UP1548T *

PTFE Disc, 250 WOG, MSS SP-80, Solder 3/8" thru 2"

UP548T P2 *

200 psig @ 250°F, PTFE Disc, MSS SP-80, Press X Press 1/2" thru 2"



UPBBTSCS02W



1400



Ultra Pure

LEAD-FREE BRONZE SLO-CLOSE SPRINKLER-CONTROL VALVE INDOOR/ OUTDOOR

UPBBTSCW

175 psig, UL/FM, Slo-Close with Position Indicator, IAPMO Tested and Certified, Less Tamper Switch, NPT-Threaded Ends 1" - 2"

UPBBTSCS02W

NPT-Threaded Ends,175 psig, UL/ FM, Slo-Close with Position Indicator, Tamper Switch 1" thru 2"



1400

Class 125, Wafer-Style Cast-Iron Body, Stainless-Steel Disc, Stainless-Steel Spring, Meets Senate Law S3874 2" thru 10" (Also Available Class 250)

1800

Class 125, Globe-Style Cast-Iron Body, Stainless-Steel Disc, Stainless-Steel Spring, Meets Senate Law S3874 2-1/2" thru 42" (Also Available Class 250)

NON-SLAM CHECK

8800

Class 125, Wafer-Style Cast-Iron Body, Stainless-Steel Double Disc 2" thru 16"







LEAD-FREE COMMERCIAL BUTTERFLY

ML133E/233E/333E

Cast Iron Body, Lug Style, Aluminum Bronze Disc, EPDM Liner, Bi-Directional Dead-End Service 200 psig Max 2" thru 12"

ML133E/333E

Cast Iron Body, Lug Style, Aluminum Bronze Disc, EPDM Liner, Bi-Directional Dead-End Service 200 psig Max 2" thru 12", Uni-Directional Dead-End Service 150 psig Max 14" thru 24"

CL Series

Cast Iron Body, Lug Style, Aluminum Bronze Disc, EPDM Liner, Bi-Directional Dead-End Service 200 psig Max 2" thru 12", Uni-Directional Dead-End Service 150 psig Max 14" thru 24"

^{*} Meets Senate law S3874. IAPMO tested and certified to NSF/ANSI 372 for "lead-free" compliance.

TANK AND TRAILER VALVES





HOSE NOZZLE

P-202

Bronze, Overwing Aircraft Refueling, Tank Trucks, Bronze Internal Parts, 2 Stage Fulcrum Lever, Balanced Dashpot Control, Dual Disc, Less Strainer, Cap, and Cable 1-1/2", 2", 2-1/2" x 2"

P-2056

Aluminum, Aircraft Refueling, Cushion Close, Tank Trucks, 135 GPM 25 psig Inlet Nozzle Pressure, Aluminum & Stainless Internal Parts, Conforms to MIL-N-87963 Type MD-3 2"

BUTTERFLY

P-2855E

Aluminum, EPDM Liner, Tank Trucks, Bulk Plants, Dry Bulk Plants, 90° Arc, Quick Open, Available with Ductile Iron or Stainless Disc 2" thru 6"

P-2855H

Aluminum, Hydrin Liner, Tank Trucks, Bulk Plants, Dry Bulk Plants, 90° Arc, Quick Open, Available with Ductile Iron or Stainless Disc 2" thru 6"

P-2860H

Aluminum, Tank Trucks, Bulk Plants, Dry Bulk Plants, 90° Arc, Quick Open, Hydrin Liner for Air Lines and a Wide Variety of Chemicals to 300°F, Discs are Stainless Steel 2" thru 4"



C-35551



P-900



P-902

GATE

C-35551 / 5551

Aluminum, Bronze Trim, Tank Trucks, Bulk Plants, Filling Stations, Rising Stem, Double Disc, Bolted Bonnet, Round Flange Ends 3" thru 6"

P-2699RF

Aluminum, Transport Tank, Bulk Plants, Filling Stations, Rising Stem, Split Wedge Disc, Bolted Bonnet, Round Flange Ends 4"

P-2671

Bronze, Tank Trucks, Bulk Plants, Filling Stations, Rising Stem, Double Disc, Threaded Bonnet, Flange Ends 2"

P-900

Bronze, Quick Opening, Hazardous Liquid, 150 SWP, Lever Operated, Double Disc, Gland Packed 1" thru 3"

P-901

Bronze, Quick Opening, Double Disc, Gland Packed, 150 SWP, 300 lb. WOG, Lever Operated 1/2" thru 4"

902

Bronze, Quick Opening, Tank Trucks, Bulk Plants, 150 WOG, Lever Operated, Double Disc, O-Ring Stem Packed 3/4" and 1-1/4"



P-509



P-717



P-728

CHECK

P-509

Bronze, Horizontal Swing, Tank, Dry Bulk Trucks, Bronze Disc, Threaded Cap, Threaded Ends 1/4" thru 3"

P-509S

Bronze, Horizontal Swing, Tank, Dry Bulk Trucks, Composition Disc, Threaded Cap, Threaded Ends 1/4" thru 2"

P-2519A

Swing Check, Aluminum, Dry Bulk Transports, Tank Truck, Aluminum Disc with Viton Seat, 150 WOG 3"

P-717F

Angle Lift Check, Aluminum, 125 psig WOG at 100°F, 25 psig WOG at 350°F, Square Bolted Cap, Square Flange, Viton Disc 2-1/2"

P-717S

Angle Check, Bronze, 125 psig, WOG at 100°F, 25 psig WOG at 350°F, Threaded Cap, Viton Disc, Threaded Ends, 2"

P-728

Lift Check, Aluminum, Dry Bulk Transports, Tank Trucks, 125 psig WOG at 100°F, 25 psig at 350°F, Spring Loaded, Viton Disc, Threaded Ends 3"

P-729

Lift Check, Aluminum, Dry Bulk Transports, Tank Trucks, 125 psig WOG at 100°F, 25 psig at 350°F, Spring Loaded, Viton Disc, Flanged Ends 3"



P-612A

RELIEF

P-612A

Aluminum, Bulk Tank Truck, Pneumatic Conveyor Systems, Railroad Dry Bulk Tanks, NPT Threaded Inlet, Settings from 6 psig to 30 psig 2"



GLOBE SAMPLER VALVES

505-001

Bronze Body, 200 WOG, Threaded Ends, Teflon Disc, 1/2", 3/4", 1", 1-1/2", 2"

505-202

Bronze Body, 200 WOG, Teflon Disc, Threaded Ends, Complete with 3/8" Sampling Device 1", 1-1/2", 2"

506-202

Bronze Body, Offset Flange Inlet, Threaded Outlet, Teflon Disc, 300 WOG, Complete with 3/8" Sampling Device 1" and 2"



GATE SAMPLER VALVE

P-2641

Bronze Body, 300 WOG, Flanged Ends, Solid Wedge, Screwed Bonnet, Non-Rising Stem With Gland Packing, Available with 3/8" Sampling Device P2641B3 2"

FLOW CONTROL AND MEDICAL GAS VALVES

SECTION 11



CONTROL VALVES

FC200 Series, Brass, 2-Way, 600 WOG, Linear Characteristics, Integral Mounting Pads, Sizes 1/2"- 2"

FC300 Series, Brass, 3-Way, 600 WOG, Linear Characteristics, Integral Mounting Pads 1/2" - 2"



MEDICAL GAS VALVES

MG Series, 3-Piece Bronze Ball Valve with Extended Copper-Tube Ends, customized to meet individual requirements 1/2" - 2"

FC300





THE INSULATOR/MST

A Milwaukee/Hammond Valve Product

NO SWEAT.

INSULATOR/MS[™] from Milwaukee Valve is the only insulating ball valve handle that does it all – controls condensation, has reliable memory stop, and saves time since there's no need to disassemble for adjustments.

INSULATOR creates a heat transfer barrier between the piping system and the exposed portion of a valve handle and surrounding air. This eliminates or reduces condensation, and keeps damaging moisture from infiltrating insulated systems. And its operating range of $+15^{\circ}$ F to $+250^{\circ}$ F lets you spec multiple project types with one versatile product.

INSULATOR's unique memory stop adjusts easily with a few quick turns of a hex wrench, while competitive handles require time-consuming disassembly to perform stop adjustments.

INSULATOR is available on all 1/2" thru 2" bronze, brass and UltraPure ball valves, including solder, threaded and UltraPress press-fit ends. For specs and other info. visit MilwaukeeValve.com, HammondValve.com or UltraPureNoLeadValves.com.





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ENGINEERING & DESIGN CAPABILITIES

QUALITY IS MORE THAN WHAT MEETS THE EYE.

For the most part, engineering is invisible.

Engineers or contractors know what a valve looks like, and knows what it does, but typically, they can't see the superiority designed into each and every Milwaukee Valve product. Milwaukee Valve demands excellence in our engineering department, with groups operating in each of our facilities to support the manufacturing of all products.

These engineers provide design services as well, translating the critical specifications and processes into manufactured items — a key step where other suppliers, without our depth of experience, often fall flat.



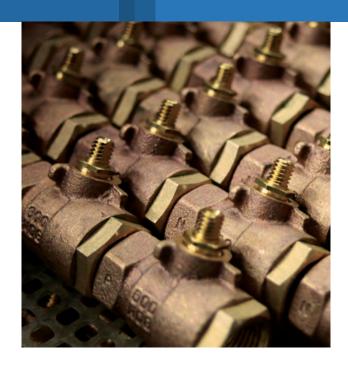


Milwaukee Valve's well-staffed engineering department is supported by state-of-the-art computer tools, from 3D design using Solidworks, to finite element analysis (FEA) using COSMOS, to computational fluid dynamics (CFD) using CF Design software, to automated data acquisition in our laboratories using Labview. We operate our own fire-test facility to help us achieve and maintain the most advanced fire-safe designs to the latest API and other standards. We translate our 3D designs directly to tool paths, both on our shop floor and in our pattern shop, which supports our in-house foundry operation. These capabilities also service our engineering and contracting customers, who use these models in their equipment and building designs.

In addition, Milwaukee Valve has extensive experience in the development of products for specific OEMs or demanding service conditions. Some are minor modifications to existing products. Others are turnkey product-development projects designed to meet the demanding safety needs or harsh application requirements of a specific user.

Milwaukee Valve's background in the Commercial, Industrial, and very specialized Marine business for the United States Navy should provide you with confidence to entrust your most difficult engineering applications to our experienced staff, helping you grow your business and providing you with the great service you deserve.

If you have a service that is constantly causing you concern, give us a call. Our application engineering and technical service teams stand ready to help.





For more information on our capabilities or assistance with a specific problem, contact your Milwaukee Valve sales representative (http://www.milwaukeevalve.com/index.php/reps).

Their experience and industry knowledge will simplify finding a solution to your product and application requirements.

This condensed catalog is not a complete depiction of Milwaukee Valve's products or capabilities. Please contact the factory for special service conditions or additional accessories and options.

WEBSITE REDUCES ERRORS AND SAVES TIME

Simplify your projects and reduce ordering errors by building your own valves, courtesy of Milwaukee Valve's online Advanced Search feature.



You know the service, and Milwaukee Valve has the valves and the options to solve your service issues. Found at www.MilwaukeeValve.com, the Advanced Search function acts as an online configurator, laying out all available options in one easy-to-use format. You select the type of valve you require, and choose the available materials, sizes, options, etc. Once all options are selected, you are given the model numbers for the valves that meet your criteria. When you know exactly what you are ordering, the result is fewer returns, lower shipping costs, and all-around time savings. The Advanced Search is especially beneficial in selecting Butterfly and Industrial valves, which both offer thousands of different valve and option combinations.

In addition, the website contains specification data for virtually ever Milwaukee Valve product, and has the capacity to produce product submittals, access 2D and 3D CAD files, and is a repository for a wide variety of product information, including price lists, literature downloads, technical service bulletins, competitive cross reference and even provides links to YouTube instruction and installation videos.

And if you require assistance in selecting a valve, ball, seat, actuation or any of many other options, assistance is available from your Milwaukee Valve sales representative. Try it out at www.MilwaukeeValve.com.



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