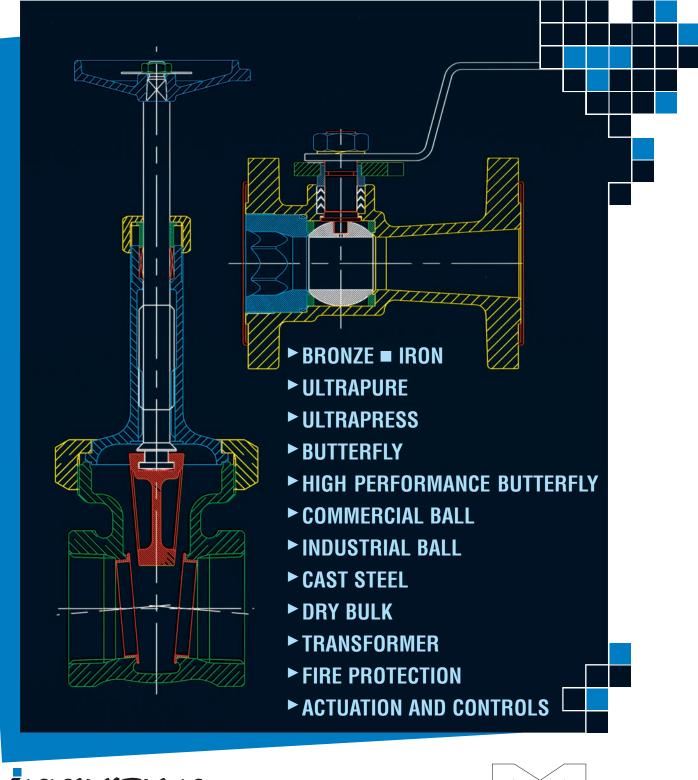
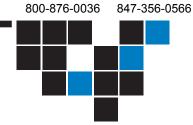
# **CONDENSED CATALOG**







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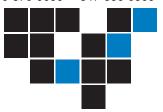


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Rev. 03/15



# **INDUSTRIAL BALL VALVES\***





# **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, FIRESAFE, FLANGED-END

Standard Port

#### F91CS150R-N1

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

#### F91SS150R-N1

Class 150, TEFLON® NXT-75 Seats, Stainless Steel Body, Stainless Steel Ball & Stem, Firesafe to AP 607, Actuator Mounting Pads 1/2" Thru 6"

## F91SS300R-N1

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

# **UNIBODY, FIRESAFE**

Reduced Port

#### 10CSOD-02-LL

2000 WOG, Threaded Ends, Carbon Steel Body, Stainless Steel Ball & Stem, Firesafe to API 607, Actuator Mounting Pads 1/4" Thru 2"

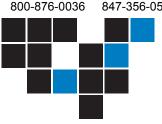
### 10SSOD-02-LL

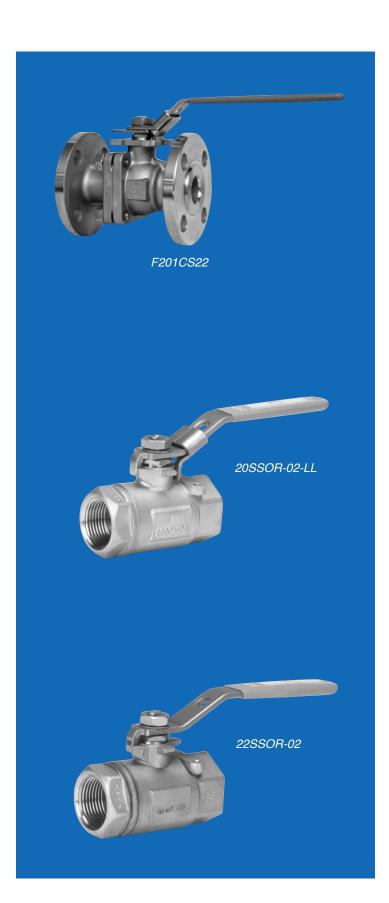
2000 WOG, Threaded Ends, Stainless Steel Body, Stainless Steel Ball & Stem, Firesafe to API 607, Actuator Mounting Pads 1/4" Thru 2"

\*Made to the latest ASTM & ASME specifications. For additional information see website.

TEFLON is a registered tradmark of DuPont

# INDUSTRIAL BALL VALVES\*





# 2-PIECE, FLANGED, FIRE-SAFE

Full Port

Class 150, TEFLON® NXT-75 Seats, Carbon Steel Body, Stainless Steel Ball & Stem, Actuator Mounting Pads, Firesafe to API 607, 1/2" Thru 12"

#### F203CSN2

Class 300, TEFLON® NXT-75 Seats, Carbon Steel Body, Stainless Steel Ball & Stem, Actuator Mounting Pads, Firesafe to API 607,

### F201SSN2

Class 150, TEFLON® NXT-75 Seats, Stainless Steel Body. Stainless Steel Ball & Stem, Actuator Mounting Pads, Firesafe to API 607, 1/2" Thru 12"

#### F203SSN2

Class 300, TEFLON ® NXT-75 Seats, Stainless Steel Body, Stainless Steel Ball & Stem, Actuator Mounting Pads, Firesafe to API 607, 1/2" Thru 8"

# 2-PIECE, THREADED

Standard Port and Full Port

#### 20SSOR-N1

Standard Port, 2000 WOG 1/4" Thru 1", 1500 WOG 1-1/4" Thru 2", Stainless Steel Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Threaded Ends, Actuator Mounting Pads 1/4" Thru 2" 20CSOR-N1

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

Standard Port, 600 WOG, Bronze Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Threaded Ends, Actuator Mounting Pads 1/4" Thru 2"

### 20BBOR-N1

Standard Port, 600 WOG, Bronze Body, Chrome Plated Ball, Bronze Stem, TEFLON® NXT-75 Seats, Threaded Ends, Actuator Mounting Pads 1/4" Thru 2"

### **BA260**

Full Port, 1000 WOG, Stainless Steel Body and Ball, RPTFE Seats, Locking Handle, Actuator Mounting Pads, 1/4" thru 3"

# 2-PIECE, SEAL-WELDED

Standard Port

#### 22SSOR-02

2000 WOG 1/4" Thru 1", 1500 WOG 1 1/4" Thru 2", Stainless Steel Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Threaded Ends, Actuator Mounting Pads 1/4" Thru 2" 22CSOR-02

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

\*Made to the latest ASTM & ASME specifications. For additional information see website. TEFLON is a registered tradmark of DuPont

# **INDUSTRIAL BALL VALVES\***





# **3-PIECE, ENCLOSED-BOLT, FIRE-SAFE** Standard Port and Full Port

# 35CSON-LL

Reduced Port, 2000 WOG, Carbon Steel Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Firesafe to API 607, Live Loaded Graphite Packing, Threaded Ends, Actuator Mounting Pads

### 35SSON-LL

Reduced Port, 2000 WOG, Stainless Steel Body, Stainless Steel Ball & Stem, Live Loaded Flexible Graphite Packing, Threaded Ends, TEFLON® NXT-75 Seats, Firesafe to API 607, Actuator Mounting Pads 1/4" Thru 2"

#### 35FCSON-LL

Full Port, 2000 WOG, Carbon Steel Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Firesafe to API 607, Live Loaded Graphite Packing, Threaded Ends, Actuator Mounting Pads 1/4" thru 2"

#### 35FSSON-LL

Full Port, 2000 WOG, Stainless Steel Body, Stainless Steel Ball & Stem, TEFLON® NXT-75 Seats, Firesafe to API 607, Live Loaded Graphite Packing, Threaded Ends, Actuator Mounting Pads 1/4"

· Available with socket-weld ends

# 3-PIECE, FULL PORT

1000 WOG, Stainless Steel Body, Stainless Steel Ball & Stem, PTFE V-Ring Packing, Threaded Ends, Actuator Mounting Pads 1/4" Thru 2"

### 30CSOF-02

1000 WOG, Carbon Steel Body, Stainless Steel Ball & Stem, PTFE V-Ring Packing, Threaded Ends, Actuator Mounting Pads 1/4" Thru 2"

### 30BSOF-02

600 WOG, Bronze Body, Stainless Steel Ball & Stem, PTFE V-Ring Packing, Threaded Ends, Actuator Mounting Pads 1/4" Thru 2" 30BBOF-02

600 WOG, Bronze Body, Chrome Plated Ball & Stem, PTFE V-Ring Packing, Threaded Ends, Actuator Mounting Pads 1/4" Thru 2"

· Available with socket-weld or solder ends

# HIGH-PRESSURE, SEAL-WELDED, FIRE-SAFE, FULL PORT

Full Port, Stainless Steel Body, Stainless Steel Ball & Stem, Threaded Ends, Actuator Mounting Pads, 1/2" Thru 1-1/2" Class 900, 2" Thru 2-1/2" Class 600

### 41CSOF-02-LL

Full Port, Carbon Steel Body, Stainless Steel Ball & Stem, Threaded Ends, Actuator Mounting Pads, 1/2" Thru 1-1/2" Class 900, 2" Thru 2-1/2" Class 600

 Available with socket-weld, extended butt-weld ends and 3000# configuration. Please Consult Factory

## **DIVERTER VALVE**

BA3WDSLH 1000 WOG, Stainless Steel Body, Stainless Steel Ball & Stem, 3-Way Diverter, Threaded Ends, 3/8" Thru 2"

\*Made to the latest ASTM & ASME specifications. For additional information see website.

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# **BUTTERFLY VALVES**





# 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" – 36"

Bodv: A216 WCB carbon steel or ASTM A351 CF8M

stainless steel

Disc: ASTM A351 CF8M stainless steel Stem: 17-4PH stainless steel or 316

Seats: RTFE standard, Virgin PTFE, UHMWPE and others

optional

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.

# M Series - Industrial Butterfly

Concentric valve to MSS SP-67, Available in lug or wafer body, 2" – 48" 2"-12" rated at 200 WOG, 14"-48" rated at 150 WOG Body: Cast iron ASTM A126 Class B or Ductile iron ASTM

A536 65-45-12

Disc: Ni plated DI, AlBr, or stainless steel, nylon and epoxy

coated optional

Stem: 416 or 316 stainless steel

Liner: EPDM, Buna, FDA Neoprene, PTFE, Hypalon, and

many others optional

These valves feature a phenolic backed rubber seat with optimized disc and stem design for reliable sealing, low torque, and long life. Milwaukee's M Series Valves from 2" through 12" are approved by the U.S. Coast Guard for Category A service. Lug butterfly valves 2" throught 12" are bi-directional dead end service to 200 psi max. BUNA and EPDM only. All others 150 psi. uni-directional field repairable. Valves 14" through 24" rated for uni-directional dead end service to 100 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.

# C Series - Commercial Butterfly

Concentric valve to MSS SP-67, Available in lug or wafer body, 2" – 24" 2"-12" rated at 200 WOG, 14"-24" rated at 150 WOG

Body: Cast iron ASTM A126 Class B

Disc: AlBr

Stem: 416 stainless steel

Liner: EPDM

These valves are based on our M Series, but intended for commercial application 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. Milwaukee's C Series Valves from 2" through 12" are approved by the U.S. Coast Guard for Category A service. Lug butterfly valves 2" throught 12" are bi-directional dead end service to 200 psi max. Valves 14" through 24" rated for unidirectional dead end service to 100 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.

# **BUTTERFLY VALVES**





# H Series – High-Pressure Industrial Butterfly

Concentric valve to MSS SP-67, Available in lug or wafer body, 2" - 24" 2"-12" rated at 250 WOG, 14"-24" rated at 200 WOG

Body: Cast iron ASTM A126 Class B or Ductile iron ASTM

A536 65-45-12

Disc: Ni Plated DI, AlBr, or stainless steel, nylon and epoxy

coated optional

Stem: 416 or 316 Stainless steel

Liner: EPDM, Buna, Viton, FDA Neoprene, PTFE, Hypalon,

and many others optional

The H Series is tested and rated for higher-pressure services. These valves feature a phenolic backed rubber seat with optimized disc and stem design for reliable sealing, low torque, and long life. Milwaukee's M Series Valves from 2" through 12" are approved by the U.S. Coast Guard for Category A service. Lug butterfly valves 2" through 12" are bi-directional dead end service to 200 psi max. BUNA and EPDM only. All others 150 psi. uni-directional field repairable. Valves 14" through 24" rated for uni-directional dead end service to 100 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.

# U Series - Low-Pressure Butterfly

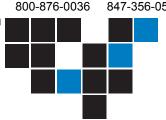
Concentric Valve to MSS SP-67, Available in lug or wafer body, 2" – 12" rated at 50 WOG

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.

# O Series - Industrial Butterfly

Concentric valve to MSS SP-67, Available in wafer body, 2" – 12" Bolts between transportation flanges, 2" – 12" rated at 200 WOG The O Series is a rugged version of our M Series valve, intended for oilfield applications. These valves carry a grease fitting at the upper stem for lubrication for in-line maintenance. 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.

# **CAST STEEL VALVES**





# **CAST STEEL GATE**

#### 1550CB2

Class 150 Flanged, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 30"

1552CB2

Class 150 Buttweld, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 24'

3050CB2

Class 300 Flanged, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 24"

3052CB2

Class 300 Buttweld, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 24"

6050CB2

Class 600 Flanged, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 24"

6053CB2

Class 600 Buttweld, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 24"

## **CAST STEEL GLOBE**

#### 1560CB2

Class 150 Flanged, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 16"

1562CB2

Class 150 Buttweld, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 16"

3060CB2

Class 300 Flanged, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 8"

3062CB2

Class 300 Buttweld, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 8"

6060CB2

Class 600 Flanged, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 6"

6063CB2

Class 600 Buttweld, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 6"

# **CAST STEEL CHECK**

#### 1570CB2

Class 150 Flanged, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 18"

1572CB2

Class 150 Buttweld, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 18'

3070CB2

Class 300 Flanged, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 18"

3072CB2

Class 300 Buttweld, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 18"

6070CB2

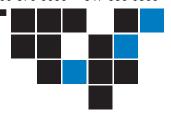
Class 600 Flanged, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 10"

6073CB2

Class 600 Buttweld, API 600, ASME B16.34 Design, API 598 Tested, 2" Thru 10"

# **ACTUATION**

#### CONSULT FACTORY FOR MULTI-TURN AUTOMATION





## PNEUMATIC ACTUATION

## 2-Piece Ball Valves

Available on threaded-end and socketweld-end valves Available on bronze, carbon-steel and stainless-steel valves Available on 1/2" to 2" valves

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



#### 3-Piece Ball Valves

Available on threaded-end and socketweld-end valves Available on bronze, carbon-steel and stainless-steel valves Available on 1/2" to 2" valves

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



### Flanged-End Ball Valves

Available on 150 and 300 lbs. class valves Available on 1/2" to 12" valves

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 Class 150 2 1/2" - 24", Class 300 2 1/2" - 16"

Available on rubber-seated valves Available on wafer and lugged patterns Available on 2" to 48" valves

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



# **ELECTRIC ACTUATION**

#### 2-Piece Ball Valves

Available on threaded-end and socketweld-end valves Available on bronze, carbon-steel and stainless-steel valves Available on 1/2" to 2" valves

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



#### 3-Piece Ball Valves

Available on threaded-end and socketweld-end valves Available on bronze, carbon-steel and stainless-steel valves Available on 1/2" to 2" valves

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



### Flanged-End Ball Valves

Available on 150 and 300 lbs. class valves Available on 1/2" to 12" valves

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



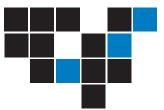
Butterfly Valves Available on HP Series High Performance Butterfly Available in wafer and lugged patterns Available on Class 150 2 1/2" - 24", Class 300 2 1/2" - 16"

Available on rubber-seated valves Available on wafer and lugged patterns Available on 2" to 48" valves

**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



# IRON GATE & CLIP GATE, GLOBE, CHECK, SILENT CHECK



800-876-0036



**IRON GATE & CLIP GATE** 

2882A or 2882M

125 WSP 200 WOG, Non-Rising Stem. IBBM. MSS SP-70. A Available 2" Thru 12", M Available 2" Thru 24" 2882A26 or 2882M26 125 WSP 200 WOG, Non-Rising

Stem, All Iron, MSS SP-70, A Available 2" Thru 12". M Available 2" Thru 24" 2885A or 2885M

125 WSP 200 WOG, OS & Y, IBBM, MSS SP-70.

A Available 2" Thru 12", M Available 2 Thru 24" 2885A26 or 2885M26

125 WSP 200 WOG, OS & Y, All Iron, MSS SP-70, A Available 2" Thru 12", M Available 2" Thru 36"

150 WSP 225 WOG, Bronze Trim, Threaded End, 1/4" Thru 2" 125 WSP 175 WOG, Bronze Trim, Threaded End, 2" Thru 4" 2888M

150 WSP 225 WOG, All Iron 1/4" Thru 2" 125 WSP 175 WOG, All Iron 2" Thru 4"

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"



2888M

### **IRON GLOBE**

2981A or 2981M

125 WSP 200 WOG, MSS SP-85, A Available 2" Thru 10", M Available 2" Thru 10" 2983 or 2983M 250 WSP 500 WOG, IBBM, MSS SP-85, A Available 2" Thru 6", M Available 2 1/2" Thru 6" Angle Globe, 125 WSP, 200 WOG, MSS SP-85, 2" Thru 8" 2986M-SC

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

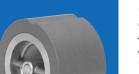


# **IRON CHECK**

2974A or 2974M 125 WSP 200 WOG, IBBM, MSS SP-71. A Available 2" Thru 12", M Available 2" Thru 24" 2974MLW 125 WSP 200 WOG, IBBM, MSS SP-71, Lever and Weight, 2" Thru 12"

2974A26 or 2974M26 125 WSP 200 WOG, All Iron, A Available 2" Thru 12". M Available 2" Thru 24" 2974M13

3% Nickel Iron, Iron Body, SS Trim, MSS SP-71, 2" Thru 12" 2970 or 2970M 250 WSP 500 WOG, IBBM, MSS SP-71, 2-1/2" Thru 6"



1402

# SILENT CHECK

Class 125, Wafer-Style Cast-Iron Body, SS Disc, SS Spring, ANŚI NSF-372, \* 2" Thru 10" (Also Available Class 250) \*1800

Class 125, Globe-Style Cast-Iron Body, SS Disc, SS Spring, ANSI NSF-372 2-1/2" Thru 24" (Also Available Class 250) \*8800

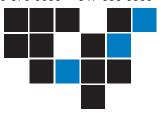
Class 125, Wafer-Style Cast-Iron Body, Bronze Double Disc 2" Thru 16", \*

### \* or "M" designates International

\*\* The wetted surface on this product with S.S. Trim contacted by water contains less than one quarter of one percent (.25%) of lead weight.



# **COMMERCIAL BALL VALVES**





# 2-PIECE BRONZE

Standard Port

**BA-100** \* <sup>\*</sup> 600 WOG 150 WSP, MSS SP-110, Threaded, 1/4" Thru 3"

**BA-100TIH** 600 WOG 150 WSP, MSS SP-110, Threaded,

Insulated handle 1/4" Thru 2'

BA-100S \*\*\* 600 WOG 150 WSP, MSS SP-110, Stainless Ball & Stem, Threaded, 1/4" Thru 3"

BA-100E 600 WOG 150 WSP, MSS SP-110, Threaded With Exhaust Port, 1/4" Thru 2"

BA-100ELD 600 WOG 150 WSP, MSS SP-110, Threaded With Exhaust Port, Latch Lock Handle,

1/4" Thru 2' BA-100H 600 WOG, MSS SP-110, Threaded With Hose, Cap and Chain, 1/2" And 3/4" \*

BA-100M 600 WOG 150 WSP, MSS SP-110, Threaded With

Male Threaded End, 1/4" Thru 2" BA-150 \*\*\* 600 WOG 150 WSP, MSS SP-110, Solder, 3/8"

Thru 3"

**BA-150S** \*\*\* 600 WOG 150 WSP, MSS SP-110, Stainless Ball & Stem, Solder, 3/8" Thru 3" **BA-150H** 600 WOG, MSS SP-110, Solder With Hose, Cap

And Chain, 1/2" And 3/4"

BA-100XLD/BA150XLD Same as BA-100/BA150 With Extension Stem, and Latch Lock Handle, Threaded (BA-100) or Solder (BA-150)

Full Port
BA-400 \*\*\* 600 WOG 150 WSP, MSS SP-110, Threaded,
1/4" Thru 2"
BA-400S \*\*\* 600 WOG 150 WSP, MSS SP-110, Threaded,
Stainless Steel Ball & Stem, 1/4" Thru 2"
BA400UT/BA400SUT Threaded Full Port Ball Valve with

Union End (UT = Threaded Tailpiece), 600 WOG, MSS SP-110, 1/4" – 2". Consult Factory for other End

Configurations.

BA-400S3 \*\*\* 250 WOG 150 WSP, MSS SP-110,
Threaded, Stainless Steel Ball & Stem, 1/4" Thru 2"
BA-450 \*\*\* 600 WOG 150 WSP, MSS SP-110, Solder, 1/4"

& Stem, Solder, 1/4" Thru 2"

B450US/BA450SUS Solder Full Port Ball Valve with

Union End (US = Solder Tailpiece), 600 WOG, MSS SP-110, 1/4" – 2". Consult Factory for other End Configurations B400XLD/BA450XLD Same as BA-400/BA450 With Extension Stem and Locking Handle,

Threaded (BA-400) or Solder (BĂ-450)

# 3-PIECE BRONZE\*\*\*

Full Port

**BA-300** 600 WOG 150 WSP, MSS SP-110, Threaded Ends, 1/4" Thru 2" \*,

BA-300S 600 WOG 150 WSP, MSS SP-110, Threaded Ends, Stainless Steel Ball & Stem, 1/4" Thru 2" \*, BA-300SB 600 WOG 150 WSP Silbrazed, 1/2" Thru 2" \* BA-350 600 WOG 150 WSP, Solder Ends, 3/8" Thru 2" \* BA-350S 600 WOG 150 WSP, Solder Ends, Stainless Steel Ball and Stem, 3/8" Thru 2" \*

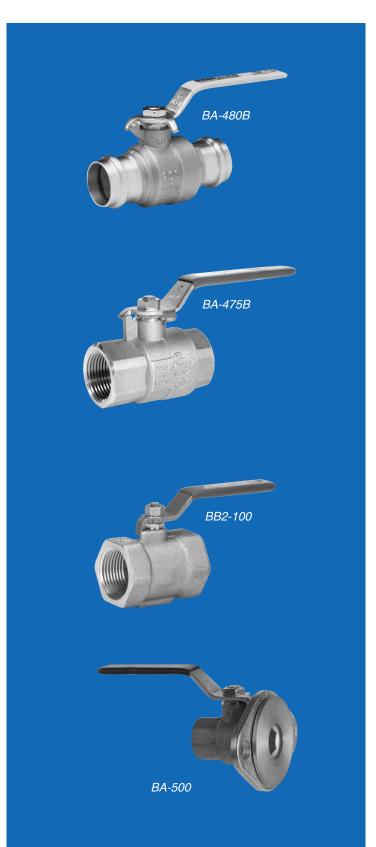
Available with Guage Ports or Oxygen Cleaned

\*\* Available in Tube End (BA350TE)

\*\*\* Available with THE INSULATOR/MS (TIH) Handle 1/4" -2"

# **COMMERCIAL BALL VALVES**





### 2-PIECE BALL FORGED BRASS

Standard Port

**BA-200** 400 WOG 150 WSP, Threaded, 1/4" Thru 4" **BA-250** 400 WOG 150 WSP, Solder, 3/8" Thru 3"

**Full Port** 

BA-475B \* 600 WOG 150 WSP, Threaded, CSA/UL/FM/CGA Approved to 2", 1/4" Thru 4" BA-485B \* 600 WOG 150 WSP, Solder Heavy Pattern, 1/2" Thru 4"

## 2-PIECE BALL FORGED BRASS PRESS

Full Port

**BA-480B** \* 200 PSIG @ 250 Degrees, Press X Press, 1/2" Thru 3"

BA-480S \* 200 PSIG @ 250 Degrees, Press X Press,

1/2" Thru 3" with Stainless Steel Ball & Stem

BA-490S \* 200 PSIG @ 250 Degrees, Press X Threaded,

1/2" Thru 2" with Stainless Steel Ball & Stem

BA-490B \* 200 PSIG @ 250 Degrees, Press X Threaded, 1/2" Thru 2"

**BA-480BH** 200 PSIG @ 250 Degrees, Press X Hose, 1/2" Thru 3/4"

**BA-481B** 200 PSIG @ 250 Degrees, Press X Press, Extension Stem with memory stop 1/2" Thru 3"

**BA-491B** \* 200 PSIG @ 250 Degrees, Press X Threaded, Extension Stem with memory stop, 1/2" Thru 2"

# **BRONZE BUTTERBALL® BUTTERFLY**

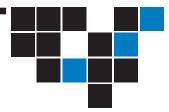
**BB2-100** 175 PSI, Threaded, 1/4" Thru 2" (1/2" Thru 2" UL/CSA) **BB2-350** 175 PSI, Solder, 3/8" Thru 2" **BB1-10A0** 175 PSI, Threaded, Actuator Mounting Pads, 3/4" Thru 2"

# 2-PIECE CIRCULATOR-FLANGE

**BA-500** Brass Body, Threaded Ends, Full Port, 100 SWP 600 WOG, Sold in Pkg of 2, 3/4" Thru 1 1/4" **BA-550** Brass Body, Sweat Ends, Full Port, 100 SWP 600 WOG, Sold in Pkg of 2, 3/4" Thru 1 1/4"

<sup>\*</sup> Available with THE INSULATOR/MS (TIH) Handle 1/4" -2"

# **BRONZE GATE VALVES**





# **NON-RISING STEM**

Threaded End-Threaded Bonnet

125 PSI WSP-200 PSI WOG, MSS SP-80, 1/4" Thru 4" 1140

150 PSI WSP-300 PSI WOG, MSS SP-80, 1/4" Thru 4"



# NON-RISING STEM

Solder End-Threaded Bonnet

125 PSI WSP-200 PSI WOG, MSS SP-80, 3/8" Thru 4"



# **NON-RISING STEM**

Threaded End-Union Bonnet

1141

150 PSI WSP-300 PSI WOG, MSS SP-80, 1/4" Thru 2" 1176

200 PSI WSP-400 PSI WOG, Stainless-Steel Seats, MSS SP-80, 1/4" Thru 2"

1186

300 PSI WSP-1000 PSI WOG. Stainless-Steel Seats, MSS SP-80, 1/4" Thru 2"



## RISING STEM

Threaded End-Threaded Bonnet

125 WSP- 200 WOG, MSS SP-80, 1/4" Thru 4"

1150

150 WSP-300 WOG, MSS SP-80, 1/4" Thru 4"



# **RISING STEM**

Solder End-Threaded Bonnet

125 WSP-200 WOG, MSS SP-80, 3/8" Thru 4"

# **RISING STEM**

Solder End-Union Bonnet

150 WSP-300 WOG, MSS SP-80, 3/8" Thru 3"

# **QUICK-OPENING GATE VALVES**

Threaded Ends

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

150 WSP-300 WOG, Quick-Open Lever Handle, 1/2" Thru 4" 902

150 WOG O-Ring Stem Seal, Quick-Open Lever With Springs, 3/4" And 1-1/4"

# **RISING STEM**

Threaded End-Union Bonnet

125 WSP- 200 WOG, MSS SP-80, 1/4" Thru 3"

1151

150 WSP-300 WOG, MSS SP-80, 1/4" Thru 3"

1153

200 WSP-400 WOG, Bronze Seats, MSS SP-80, 1/4" Thru 3"

200 WSP-400 WOG, Cu-Ni Seat Ring, MSS SP-80, 1/4" Thru 2" 1174

200 WSP-400 WOG.

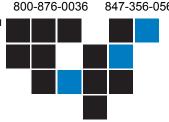
Stainless-Steel Seat Ring, MSS SP-80, 1/4" Thru 3"

1182

300 WSP-1000 WOG, Cu-Ni Seat Ring, MSS SP-80, 1/4" Thru 2" 1184

300 WSP-1000 WOG. Stainless-Steel Seat Ring, MSS SP-80, 1/4" Thru 3"

# **BRONZE GLOBE & ANGLE VALVES**





# **GLOBE THREADED BONNET**

Threaded Ends

125 WSP-200 WOG, MSS SP-80, Bronze Disc, 1/8" Thru 3" 600

200 WSP-400 WOG, MSS SP-80, Needle Disc, 1/8" Thru 3/4"



# **GLOBE UNION BONNET**

Solder Ends

150 WSP-300 WOG, MSS SP-80, PTFE Disc, 1/2" Thru 3"



# **GLOBE UNION BONNET**

Threaded Ends

590T

150 WSP-300 WOG, MSS SP-80, PTFE Disc, 1/8" Thru 3" 591A

150 WSP-300 WOG, MSS SP-80, SS Seat & Disc, 1/4" Thru 2" 570

200 WSP-400 WOG, MSS SP-80, Bronze Disc, 1/8" Thru 3" 572

300 WSP-1000 WOG, MSS SP-80, Bronze Disc, 1/4" Thru 2" 592A

200 WSP-400 WOG, MSS SP-80, SS Seat & Disc, 1/4" Thru 2"

300 WSP-1000 WOG, MSS SP-80, SS Seat & Disc, 1/4" Thru 2"



# **ANGLE THREADED BONNET**

Threaded Ends

125 WSP-200 WOG, MSS SP-80, Bronze Disc, 1/4" Thru 2-1/2"



# **GLOBE THREADED BONNET**

Solder Ends

125 WSP-200 WOG, MSS SP-80, Bronze Disc, 3/8" Thru 2"



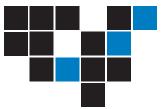
# **ANGLE UNION BONNET**

Threaded Ends

300 WSP-600 WOG, MSS SP-80, Bronze Disc, 1/4" Thru 2"

150 WSP-300 WOG, MSS SP-80, PTFE Disc, 1/4" Thru 2"

# **CHECK & SPECIALTY VALVES**





# **HORIZONTAL SWING CHECK**

Threaded Ends, Bronze

#### *509*

125 WSP-200 WOG, MSS SP-80, Bronze Disc, 1/4" Thru 3" 509T

125 WSP-200 WOG, MSS SP-80, PTFE Disc, 1/4" Thru 2" 510T

150 WSP-300 WOG, MSS SP-80, PTFE Disc, 1/4" Thru 2" **515** 

150 WSP-300 WOG, MSS SP-80, Bronze Disc, 1/4" Thru 2"

# HORIZONTAL SWING CHECK

Solder Ends, Bronze

#### 1509

125 WSP-200 WOG, MSS SP-80, Bronze Disc, 3/8" Thru 3" 1509T

125 WSP-200 WOG, MSS SP-80, PTFE Disc, 3/8" Thru 2" 1510T

150 WSP-300 WOG, MSS SP-80, PTFE Disc, 1/2" Thru 2" Also available w/ Bronze Disc

## SPRING-LOADED LIFT CHECK

Threaded Ends, Bronze

#### 548B

250 WOG, MSS SP-80, BUNA Disc, 3/8" Thru 2" **548T** 

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

## SPRING-LOADED LIFT CHECK

Solder Ends, Bronze

### 1548T

250 WOG, MSS SP-80, PTFE Disc, 3/8" Thru 2" 1548B

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

# HORIZONTAL SWING CHECK – Y PATTERN

Threaded Ends, Bronze

#### *507*

300 WSP-600 WOG, MSS SP-80, Bronze Disc, 1/4" Thru 3"

200 WSP-400 WOG, MSS SP-80, Bronze Disc, 1/4" Thru 3" 509Y

125 WSP-200 WOG, MSS SP-80, Bronze Disc, Y pattern, 1/4" Thru 3",

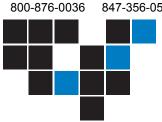
### 515Y

150 WSP-300 WOG, MSS SP-80, Bronze Disc, Y pattern, 1/4" Thru 3",

### **BRASS PRESS CHECK**

969 200 PSIG @ 250 Degrees, Brass Disc, Integral Seat, Press x Press 1/2" Thru 2"

# **ULTRA PURE VALVES** \*FOR POTABLE WATER SERVICE





### 2-PIECE BRONZE BALL VALVE

Standard Port

**UPBA100** \*\*

600 WOG, MSS SP-110, Threaded, 1/4" Thru 3"

**UPBA100S** \*\*

600 WOG, MSS SP-110, Stainless Steel Ball & Stem, Threaded,

1/4" Thru 3"

**UPBA100H** \*\*

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

UPBA150

600 WOG, MSS SP-110, Solder, 1/2" Thru 3"

**UPBA150S** \*\*

600 WOG, MSS SP-110, Stainless Steel Ball & Stem, Solder, 1/2"

Thru 3"

**UPBA150H** \*\*

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

Full Port

**UPBA400** \*\*

600 WOG, MSS SP-110, Threaded, 1/4" Thru 2"

**UPBA400S** \*\*

600 WOG, MSS SP-110, Stainless Steel Ball & Stem, 1/4" Thru 2"

UPBA450

600 WOG, MSS SP-110, Solder, 1/2" Thru 2"

**UPBA450S** \*\*

600 WOG, MSS SP-110, Stainless Steel Ball & Stem, Solder, 1/2"

Thru 2"

# 2-PIECE FORGED BRASS BALL VALVE

**UPBA475B** \*\*

600 WOG, MSS SP-110, UL/CSA Rated to 2", Threaded, 1/4" Thru 3"

**UPBA485B** \*\*

600 WOG, MSS SP-110, Solder, 1/2" Thru 3"

# 3-PIECE FORGED BRONZE BALL VALVE

Full Port\*\*

UPBA300

600 WOG, MSS SP-110, Threaded, 1/4" Thru 2"

**UPBA300S** 

600 WOG, MSS SP-110, Stainless Steel Ball & Stem, Threaded,

1/4" Thru 2"

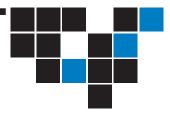
UPBA350

600 WOG, MSS SP-110, Solder, 1/2" Thru 2"

600 WOG, MSS SP-110, Stainless Steel Ball & Stem, Solder, 1/2" Thru 2"

\*\* Available with THE INSULATOR/MS (TIH) Handle 1/4" -2"

# ULTRA PURE VALVES \*FOR POTABLE WATER SERVICE





## **BRONZE GATE VALVE**

Non-Rising Stem, Threaded Bonnet

#### **UP105**

Threaded, 300 WOG, MSS SP-80, 1/4" Thru 2" **UP115** 

Solder, 300 WOG, MSS SP-80, 1/2" Thru 2"

Rising Stem, Threaded Bonnet

#### **UP148**

Threaded, 300 WOG, MSS SP-80, 1/4" Thru 2" **UP149** 

Solder, 300 WOG, MSS SP-80, 1/2" Thru 2"

### **BRASS GATE VALVE**

Non-Rising Stem, Threaded Bonnet

#### **UP667**

Threaded, 200 WOG, 1/4" Thru 2" **UP668** Solder, 200 WOG, 1/2" Thru 2"

# **BRONZE GLOBE VALVE**

Threaded Bonnet, Bronze Disc

#### **UP502**

Threaded, 300 WOG, MSS SP-80, 1/4" Thru 2" **UP1502** 

Solder, 300 WOG, MSS SP-80, 1/2" Thru 2"

### **BRONZE CHECK VALVE**

Horizontal Swing Check

#### **UP509**

Bronze Disc, Threaded Ends, 300 WOG, MSS SP-80, 1/4" Thru 2" UP1509

Bronze Disc, Solder Ends, 300 WOG, MSS SP-80, 1/2" Thru 2"

Spring Load Lift Check

### **UP548T**

PTFE Disc, Threaded Ends, 250 WOG, MSS SP-80, 1/4" Thru 2" UP1548T

PTFE Disc, Solder Ends, 250 WOG, MSS SP-80, 1/2" Thru 2"

# **BRASS CHECK VALVE**

Swing Check

## **UP967**

Brass Disc, Threaded Ends, 200 WOG, 1/4" Thru 2" UP968

Brass Disc, Solder Ends, 200 WOG, 1/2" Thru 2" UP969

Brass Disc, Press x Press Ends, 200 PSIG@250 Degrees, 1/2" Thru 2"

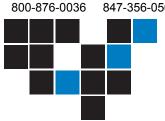
## **BUTTERFLY**

#### ML133E/233E/333E

Cast Iron Body, Aluminum Bronze Disc, EPDM Liner, 2" Thru 12"



# FIRE PROTECTION VALVES





# SLOW-CLOSE SPRINKLER-CONTROL VALVE INDOOR/OUTDOOR

175 PSI, Threaded Ends, UL/FM, Slow-Close w/Position Indicator, Less Tamper Switch, 1" Thru 2-1/2" BB-SCS02

175 PSI, Threaded Ends, UL/FM, Slow-Close w/Position Indicator, With Tamper Switch, 1" Thru 2-1/2" Indoor/Outdoor BBVSC100

175 PSI, Grooved End, UL/FM, Slow-Close w/Position Indicator, Less Tamper Switch, 2" And 2-1/2" BBVSCS02

175 PSI, Grooved End, UL/FM, Slow-Close w/Position Indicator, With Tamper Switch, 2" And 2-1/2" Indoor/Outdoor

### **IRON GATE**

#### 2885-FP

Gate Valve, OS & Y Bronze Trim, 175 WWP UL/FM, 2-1/2" Thru 8"

# HIGH-RISE SPRINKLER-CONTROL VALVE

#### BBHSC100

350 PSI, Threaded Ends, Less Tamper Switch, 1" Thru 2-1/2" BBHSC02

350 PSI, Threaded Ends, With Tamper Switch, 1" Thru 2-1/2" BVHSC100

350 PSI, Grooved Ends, Less Tamper Switch, 2" And 2-1/2"

350 PSI, Grooved Ends, With Tamper Switch, 2" And 2-1/2"

#### BUTTERBALL TRIM VALVES UL/FM

#### BB2FP

175 PSI, Quarter Turn, NPT Threaded Ends, UL-Listed, FM-Approved, 1/2" Thru 2"

# BRONZE GATE VALVE WITH UL/FM TRIM

Bronze Gate Valve, OS & Y, NPT Threaded, UL/FM, 1" Thru 2"

### **IRON CHECK VALVE**

Check Valve, Cast Iron, 175 UL/FM, Rubber Disc, 3" Thru 10"

# SILENT CHECK

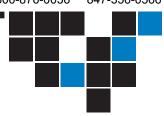
Silent Check, Class 125, Wafer Style Cast Iron Body, Available With Stainless On Stainless Steel Disc, SS Spring, 2" Thru 10"

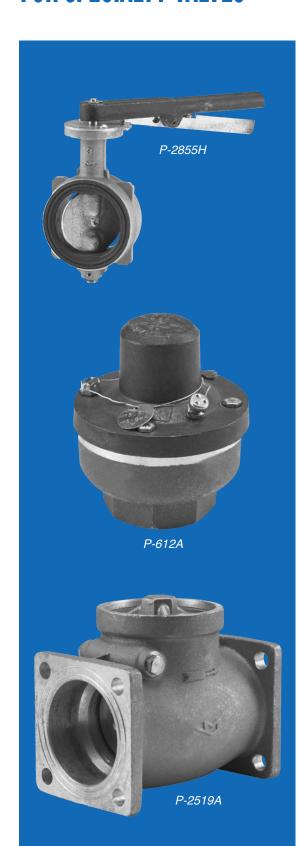
Silent Check, Class 125, Globe Style Cast Iron Body, Available With Stainless On Stainless Steel Disc, SS Spring, 2-1/2" Thru 24"

Silent Check, Wafer, Stainless Steel Discs & Springs, Iron Body

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.

# **COMPREHENSIVE DESIGN CAPABILITIES** FOR SPECIALTY VALVES





# TANK AND TRAILER/ SAMPLER VALVES

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

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

#### Butterfly

P-2855É

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

P-2855H

Aluminum, Hydrin Liner, Tank Trucks, Bulk Plants, Dry Bulk Plants, 90° Arc, Quick Open, 2" Thru 6" Available with Ductile Iron or Stainless Disc P-2860X

Aluminum, Tank Trucks, Bulk Plants, Dry Bulk Plants, 90° Arc, Quick Open, High Abrasion Seat for Dry Bulk Applications to 200° F, 2" Thru 4" 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"

### Gate

C-35551

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

Aluminum, Transport Tank, Bulk Plants, Filling Stations, Rising Stem, Split Wedge Disc, Bolted Bonnet,

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, 150lb WOG, Lever Operated, Double Disc, Gland Packed, 1" Thru 3'

P-901

Bronze, Quick Opening, Double Disc, Gland Packed, 150 lb SWP, 300 lb WOG, Lever Operated, 1/2" Thru 4 P-902

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

#### Check

P-509

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

P-717F

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

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

Lift Check, Aluminum, Dry Bulk Transports, Tank Trucks, 125 psi WOG at 100° F, 25 psi at 350° F, Spring Loaded, Viton Disc, Threaded Ends, 3' P-729

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

Relief

P-612A

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

# **Transformer/Sampler Valve**

## Globe Sampler Valves

505-202

Bronze body, 200 lb WOG, Teflon Disc, threaded ends, 1", 1 1/2", 2" Complete with 3/8" Sampling Device 506-202

Bronze body, offset flange inlet, threaded outlet, Teflon Disc, 300 WOG 1" and 2" Complete with 3/8" Sampling Device

505-001

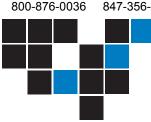
Bronze body, 200 lb WOG, threaded ends, teflon disc, 1/2", 3/4", 1", 1 1/2", 2"

#### Gate Valve

P-2641

Bronze body, 300 lb WOG, flanged ends, solid wedge, screwed bonnet, non-rising stem with gland packing, 2" Also available with 3/8" Sampling Device P2641B3

# **MILWAUKEE VALVE PRODUCTS**





# **Products available from Milwaukee Valve:**

- Iron Lug-Body and Wafer-Body Butterfly Valves
- Unibody Industrial Ball Valves
- 2-Piece Industrial Ball Valves
- Seal-Welded Industrial Ball Valves
- 3-Piece Industrial Ball Valves
- Cast Steel Gate, Globe and Check Valves
- CS/SS High Performance Butterfly
- Iron Gate, Globe, Check and Clip-Gate Valves
- Silent Check Valves
- 2-Piece Commercial Ball Valves
- 3-Piece Commercial Ball Valves
- Butterball<sup>®</sup> Butterfly Valves
- Bronze Gate, Globe, Angle, Check and Specialty Valves
- Fire Protection Valves
- Actuation and Controls for Process Automation
- Tank and Trailer
- Transformer
- UltraPure<sup>®</sup> (low lead valves)
- UltraPress® (press valves)

Valves built to take it...since 1901

Milwaukee Valve Company

