

Condensed Valve Guide

Gate · Globe · Check · Ball · Strainer

Gate, Globe & Check Valves



Gate

| | |
|------------------|---|
| Sizes | 1/2"-36" |
| Pressures | Class Figure |
| | 150 - #1156 |
| | 300 - #1306 |
| | 600 - #1606 |
| | 900 - #1906 |
| | 1500 - #1506 |
| Materials | CF8M, CF8, CF3M, 317, Alloy 20, C-276 (CW12MW) & other Special Alloys |
| Ends | Flanged & Butt Weld |
| Options | Cryogenics, Trim Modifications, Bevel Gears |



Globe

| | |
|------------------|---|
| Sizes | 1/2"-12" |
| Pressures | Class Figure |
| | 150 - #2156 |
| | 300 - #2306 |
| | 600 - #2606 |
| | 900 - #2906 |
| | 1500 - #2506 |
| Materials | CF8M, CF8, CF3M, 317, Alloy 20, C-276 (CW12MW) & other Special Alloys |
| Ends | Flanged & Butt Weld |
| Options | Cryogenics, Trim Modifications, Bevel Gears |



Check

| | |
|------------------|---|
| Sizes | 1/2"-24" |
| Pressures | Class Figure |
| | 150 - #3156 |
| | 300 - #3306 |
| | 600 - #3606 |
| | 900 - #3906 |
| | 1500 - #3506 |
| Materials | CF8M, CF8, CF3M, 317, Alloy 20, C-276 (CW12MW) & other Special Alloys |
| Ends | Flanged & Butt Weld |
| Options | Cryogenics, Trim Modifications |



Cast Stainless Gate, Globe, Check

| | | |
|------------------|---------------------|--------------------------------|
| Sizes | 1/2"-3" | 1/2"-2" |
| Pressures | 200 PSI W.O.G. | Class 150 |
| Materials | CF8M | CF3M, Alloy 20, Special Alloys |
| Ends | Threaded | Threaded, Socket Weld |
| Check | 1/4"-2" Y Pattern | Swing |
| Design | 2 1/2"-3" T Pattern | |

Cast Carbon Gate, Globe, Check

| | | | |
|------------------|---|--|--|
| | Gate | Globe | Check |
| Sizes | 2"-36" | 2"-18" | 2"-24" |
| Pressures | Class 150, 300, 600, 900 & 1500# | Class 150, 300, 600, 900 & 1500# | Class 150, 300, 600, 900 & 1500# |
| Materials | WCB | WCB | WCB |
| Ends | Flanged, Butt Weld & RTJ | Flanged, Butt Weld & RTJ | Flanged, Butt Weld & RTJ |
| Features | OS&Y, Rising Stem, Flexible Wedge, Bolted Bonnet, Welded Seat Rings | OS&Y, Rising Stem, Plug Disc, Bolted Bonnet, Welded Seat Rings | Bolted Cover, Exterior Hinge Pin, Swing Type Disc, Welded Seat Rings |
| Options | Trim: API 12 to NACE & API 5 to NACE Avail. Bevel Gears | Trim: API 12 to NACE & API 5 to NACE Avail. Bevel Gears | Trim: API 12 to NACE & API 5 to NACE Avail. |



Forged Stainless Gate, Globe, Check

| | |
|------------------|---|
| Sizes | ¼"-2" |
| Pressures | 800 & 1500 |
| Materials | ASTM A-182, F316L, 304L, Alloy 20 |
| Ends | Threaded & Socket Weld |
| Port | Standard |
| Bonnets | Bolted |
| Features | OS&Y, Rising Stem, Solid Wedge, Pressed in Seat Rings |
| Options | Flanged Ends, Full Port, Cyrogenics |



Y-Pattern Strainers

| | #7156 | #7806 | #227 |
|------------------|-----------|------------------------|------------|
| Sizes | 1½"-12" | ¼"-2" | ¼"-2" |
| Pressures | Class 150 | Class 800 | 800 W.O.G. |
| Materials | CF8M | Forged | CF8M |
| Ends | Flanged | Threaded & Socket Weld | Threaded |



Forged Carbon Gate, Globe, Check

| | Threaded & Socket Weld | Flanged |
|------------------|---|--|
| Sizes | ¼"-2" | ¼"-2" |
| Pressures | Class 800 & 1500 | Class 150-300 |
| Materials | ASTM A105N, LF2, F5, F9, F11, F22 | ASTM A105N, LF2, F5, F9, F11, F22 |
| Ends | Threaded & Socket Weld | Raised Face Flanged |
| Port | Standard | Standard |
| Bonnets | Bolted & Welded | Bolted |
| Features | NACE MRO-175, Piston Lift (#854), OS&Y, Rising Stem, Solid Wedge, Pressed in Seat Rings, Plug Disc on Globe | NACE MRO-175, Piston Lift (#3155PF), OS&Y, Rising Stem, Solid Wedge, Pressed in Seat Rings, Plug Disc on Globe |
| Options | Full Port | Full Port, 600# Class |



Needle Globe

| | |
|------------------|--------------------------|
| Sizes | ⅛"-1" |
| Pressures | 6000 & 10,000 PSI W.O.G. |
| Materials | 316 SS |
| Ends | Mx F NPT & Fx F NPT |



Wafer Check

| | |
|------------------|-----------|
| Sizes | 1½"-36" |
| Pressures | Class 150 |
| Materials | CF8M, WCB |
| Ends | Flanged |

Ball Valves



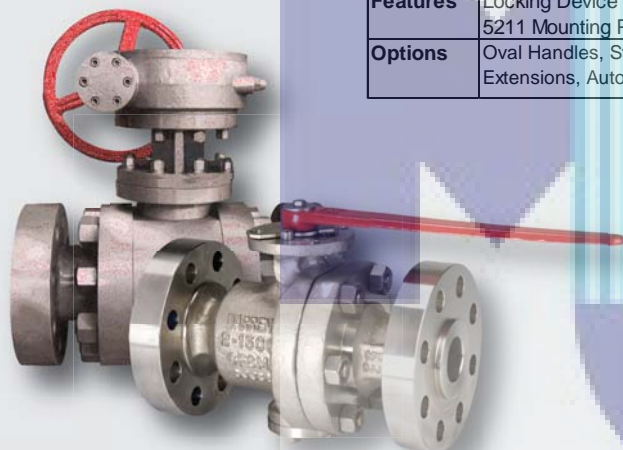
One-Piece Ball

| | |
|------------------|----------------|
| Sizes | ¼"-2" |
| Pressures | 800 PSI W.O.G. |
| Materials | CF8M |
| Ends | Threaded |
| Features | Lock Device |
| Options | Oval Handles |



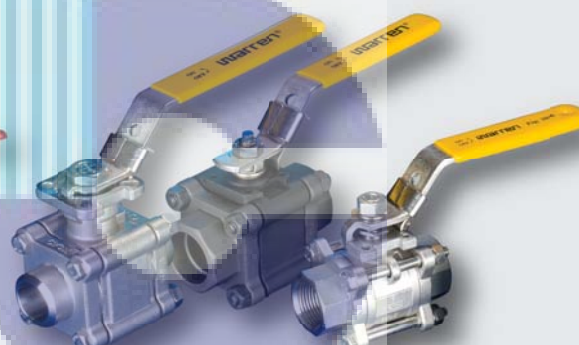
Two-Piece Ball

| | #1020 | #1022 | #1050 | #1052 |
|------------------|---|---|---|---|
| Sizes | ¼"-2" | ¼"-4" | ¼"-2" | ¼"-2" |
| Pressures | 1500-2000 PSI W.O.G. | 1000 PSI W.O.G. | 1500-2000 PSI W.O.G. | 1000 PSI W.O.G. |
| Materials | CF8M | CF8M | WCB | WCB |
| Ends | Threaded | Threaded | Threaded | Threaded |
| Ports | Reduced | Full | Reduced | Full |
| Features | Locking Device & ISO 5211 Mounting Pad | Locking Device & ISO 5211 Mounting Pad | Locking Device & ISO 5211 Mounting Pad | Locking Device & ISO 5211 Mounting Pad |
| Options | Oval Handles, Stem Extensions, Automation | Oval Handles, Stem Extensions, Automation | Oval Handles, Stem Extensions, Automation | Oval Handles, Stem Extensions, Automation |



Trunnion Mounted Ball

| | Forged | Cast |
|------------------|--|---|
| Sizes | 2"-24" | 4"-24" |
| Pressures | Class 150, 300, 600, 900, 1500 | Class 600, 900, 1500 |
| Materials | A-105, LF2, 316, 316L | CF8M, WCB x S/S |
| Ends | RF, WE, RTJ | Flanged |
| Ports | Full, Reduced | Full, Reduced |
| Features | ISO 5211 Mount Pad, Fire Safe to API 607 w/ Emergency Grease Seals, NACE, Anti-static Device | ISO 5211 Mount Pad, Fire Safe to API 607, NACE, Anti-static Device |
| Options | Special Seats and Seals, Stem Extensions, Worm Gears and Automation | Special Seats and Seals, Stem Extensions, Worm Gears and Automation |



Three-Piece Ball

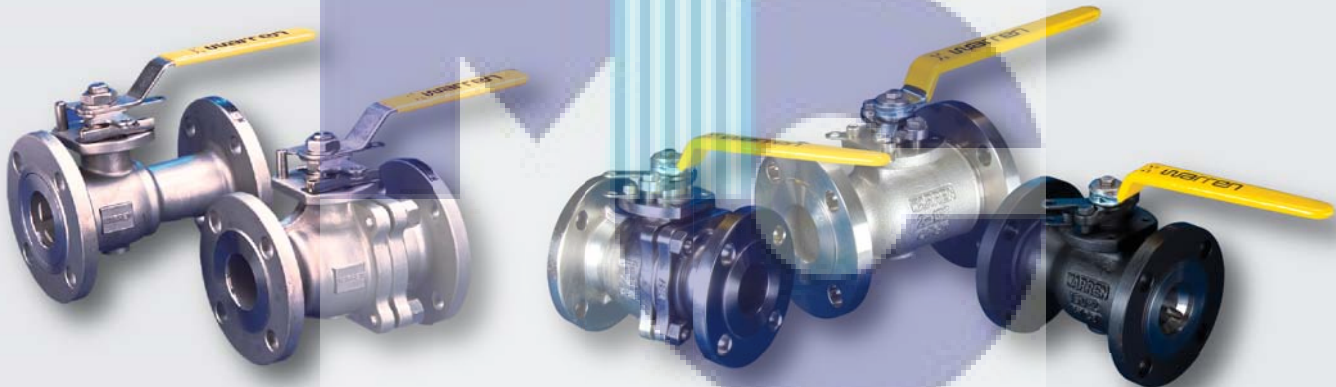
| | #366 | #356 | #1030 |
|------------------|---|--|---|
| Sizes | ¼"-2" | ¼"-2" | ½"-4" |
| Pressures | 1500-2000 PSI W.O.G. | 1500-2000 PSI W.O.G. | ½"-2": 1500 PSI W.O.G. 2½"-4": 1000 PSI W.O.G. |
| Materials | 316 SS, Alloy 20, C-276 (CW12MW) | WCB x S/S | 316 SS |
| Ends | Threaded & Socket Weld | Threaded & Socket Weld | Threaded & Socket Weld |
| Ports | Full | Full | Full |
| Features | Locking Device, 316L End Caps, ISO 5211 Mounting Pad and Fire Safe to API 607 4th Edition | Locking Device, ISO 5211 Mounting Pad and Fire Safe to API 607 4th Edition | Locking Device and 316L End Caps |
| Options | Oval handles, Stem Extensions & Automation | Oval handles, Stem Extensions & Automation | Oval handles, Stem Extensions & Automation |

#322 (Alloy 20) & #399 (C-276) Available In Stock



Contractor Series

| | #1010C | #1022C | #1030C | #6156C |
|------------------|----------------|--------------------------------|--------------------------------|----------------|
| Sizes | 1/4"-2" | 1/4"-2" | 1/4"-2" | 1 1/2" - 4" |
| Pressures | 800 PSI W.O.G. | 1000 PSI W.O.G. | 1000 PSI W.O.G. | Class 150 |
| Materials | CF8M | CF8M | CF8M | CF8M |
| Ends | 1-Pc. Threaded | 2-Pc. Threaded | 3-Pc. Threaded & Socket Weld | 2-Pc. Flanged |
| Port | Reduced | Full | Full | Full Port |
| Features | Locking Device | Locking Device | Locking Device | Locking Device |
| Options | Oval handles | Oval handles & stem extensions | Oval handles & stem extensions | |



Standard & Full Port Ball

| | #5156 | #6156 |
|------------------|--|--|
| Sizes | 1 1/2"-6" | 1/2"-6" |
| Pressures | Class 150 | Class 150 |
| Materials | CF8M | CF8M |
| Ends | Flanged | Flanged |
| Features | Locking Device, ISO 5211 Mounting Pad, Anti-static Device | Locking Device, ISO 5211 Mounting Pad, Anti-static Device |
| Options | Stem Extensions, Worm Gears, and Automation | Stem Extensions, Worm Gears, and Automation |

API 607 Fire Safe Ball

| | #5156FS | #6156FS | #5155FS |
|------------------|--|--|--|
| Sizes | 1 1/2"-10" | 1/2"-14" | 1 1/2"-14" |
| Pressures | Class 150 & 300 | Class 150, 300, 600, 900, 1500 | Class 150 & 300 (full port 6155 FS) |
| Materials | CF8M, CF3M, CF8, Alloy 20 & C-276 (CW12MW) | WCB x 316, CF8M, Alloy 20 & C-276 (CW12MW) | WCB x 316, CF8M, Alloy 20 & C-276 (CW12MW) |
| Ends | Flanged | Flanged | Flanged |
| Ports | Reduced | Full | Full (not pictured) & Reduced |
| Features | Locking Device, ISO 5211 Mounting Pad, Anti-static Device, and Fire Safe to API 607 4th Edition | Locking Device, ISO 5211 Mounting Pad, Anti-static Device, and Fire Safe to API 607 4th Edition | Locking Device, ISO 5211 Mounting Pad, Anti-static Device, and Fire Safe to API 607 4th Edition |
| Options | Special Seats and Seals, Stem Extensions, Worm Gears, and Automation | Special Seats and Seals, Stem Extensions, Worm Gears, and Automation | Special Seats and Seals, Stem Extensions, Worm Gears, and Automation |

Ball Valves



Series W10
Seal Welded Ball

| | |
|------------------|--|
| Sizes | 1/4"-3" |
| Pressures | 1000 W.O.G. All Sizes |
| Materials | CF8M |
| Ends | Threaded (NPT) |
| Seats | RTFE |
| Ports | Full |
| Features | Seal Welded Construction, NACE MR-01-75 Compliant, Standard Actuator Mounting Pad & Locking SS Handles |
| Options | Locking SS Oval Handles |



Series W20
Seal Welded Ball

| | |
|------------------|--|
| Sizes | 1/4"-2" |
| Pressures | 2000 W.O.G. All Sizes |
| Materials | CF8M |
| Ends | Threaded (NPT) and MxF NPT |
| Seats | RTFE |
| Ports | Full (1/4"-1/2"), Reduced (1/4"-2") |
| Features | Seal Welded Construction, NACE MR-01-75 Compliant, Standard Actuator Mounting Pad & Locking SS Handles |
| Options | Locking SS Oval Handles |



Series W21
Seal Welded High Pressure Ball

| | |
|------------------|--|
| Sizes | 1/4"-2" |
| Pressures | Class 900, 2160 W.O.G. |
| Materials | CF8M |
| Ends | Threaded (NPT) |
| Seats | RTFE |
| Ports | Full (1/4"-3/8"), Reduced (1/2"-2") |
| Features | Seal Welded Construction, Fully Compliant ASME B16.34 & API 608, NACE MR-01-75 Compliant, API 607 4th Edition, Standard ISO Actuator Mounting Pad & Locking SS Handles |
| Options | Locking SS Oval Handles |



Series W36
Seal Welded High Pressure Ball

| | |
|------------------|--|
| Sizes | 1/4"-2" |
| Pressures | Class 1500, 3600 W.O.G. (all sizes) |
| Materials | CF8M |
| Ends | Threaded (NPT) and Socket Weld |
| Seats | Delrin & Peek |
| Ports | Reduced and Full |
| Features | Seal Welded Construction, Fully Compliant ASME B16.34 & API 608, NACE MR-01-75 Compliant, API 607 4th Edition, Standard ISO Actuator Mounting Pad & Locking SS Handles |
| Options | Locking SS Oval Handles |



Series W50
High Pressure Ball

| | |
|------------------|---|
| Sizes | 1/4"-2" |
| Pressures | 5000 W.O.G. All Sizes |
| Materials | CF8M |
| Ends | Threaded (NPT) |
| Seats | Delrin |
| Ports | Reduced and Full |
| Features | Seal Welded Construction, NACE MR-01-75 Compliant, API 607 4th Edition, Standard ISO Actuator Mounting Pad and Locking SS Handles |



Series W60
Seal Welded Extreme Pressure Ball

| | |
|------------------|--|
| Sizes | 1/4"-2" |
| Pressures | Class 2500, 6000 W.O.G. (all sizes) |
| Materials | CF8M |
| Ends | Threaded (NPT), MxF NPT and Socket Weld |
| Seats | Peek |
| Ports | Reduced and Full |
| Features | Seal Welded Construction, Fully Compliant ASME B16.34 & API 608, NACE MR-01-75 Compliant, API 607 4th Edition, Standard ISO Actuator Mounting Pad & Locking SS Handles |



3-Way Threaded Ball

| | |
|------------------|--|
| Sizes | ¼"-2" |
| Pressures | 1000 PSI W.O.G. |
| Materials | CF8M |
| Ends | Threaded |
| Seats | RTFE |
| Ports | Standard L Port or T Port |
| Features | Locking Device & ISO 5211 Mounting Pad |



3-Way Ball

| | |
|------------------|--|
| Sizes | 1½"- 6" |
| Pressures | Class 150 |
| Materials | CF8M (other material available upon request) |
| Ends | Flanged |
| Seats | RTFE |
| Ports | Full Port, T Port Design, L Port Design |
| Features | Locking Device, ISO 5211 Mount Pad |
| Design | 3-Seat |

Valve Modifications



Warren Alloy's in-house modifications and options include:

- Packing and Gasket
- Seats and Seals
- Trim
- Cryogenics
- Extended Bonnet
- Stem Extension
- Oval Handles
- By-Pass
- Vent Hole
- Steam Jacket
- Soft Disc Inserts
- Outside Lever and Weight
- Actuation
- Gears
- Oxygen Cleaning Service
- DTP
- End Conversions

Warren can custom manufacture in other materials and grades. Contact us to discuss your specific requirements.

Quality

Warren Valves are subject to rigorous quality inspections. Our comprehensive evaluation includes on-site audits, inspection at the source, receiving inspections, and destructive material testing. This ongoing process ensures that Warren Valves are manufactured to the highest industry standard.

