

WARREN VALVE



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, Cryogenics

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



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

Needle Globe

Sizes	⅛"-1"
Pressures	6000 & 10,000 PSI W.O.G.
Materials	316 SS
Ends	MxF NPT & FxF NPT

Wafer Check

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

Ball Valves



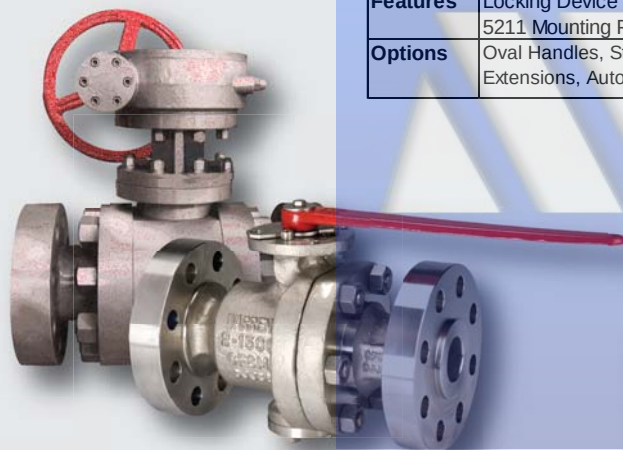
One-Piece Ball

Sizes	1/4"-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	1/4"-2"	1/4"-4"	1/4"-2"	1/4"-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	1/4"-2"	1/4"-2"	1/2"-4"
Pressures	1500-2000 PSI W.O.G.	1500-2000 PSI W.O.G.	1/2"-2": 1500 PSI W.O.G. 2 1/2"-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 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	1/4"-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	1 1/2"- 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.



Figure Number Ordering Guide

Cast Flanged End Gate, Globe, Check, Ball, & Strainer

Valve Type	Pressure Rating	Material	Cast Carbon Steel	Other
1 - Gate 2 - Globe 3 - Swing Check 5 - Standard Port Ball 6 - Full Port Ball	7 - Y-Strainer 8 - Wafer Check L - 3-Way Ball L-Port (Full) T - 3-Way Ball T-Port (Full)	8 - 800 WOG 15 - 150 lb. 30 - 300 lb. 60 - 600 lb. 90 - 900 lb. 50 - 1500 lb.	5 - Carbon Steel WCB 4 - 304 SS, CF8 6 - 316 SS, CF8M 2 - Alloy 20, CN7M 1 - 321 SS	3 - 347 SS, CF8C 7 - 317 SS, CG8M 8 - M-35-1 9 - C-276 (CW12MW) X - Special
			8 - 13 Cr / HF 5 - HF / HF to NACE 12 - 316 / HF to NACE 10 - 316 / 316	FS* - Fire Safe API 607 4th *Pertains only to Fire Safe API 607 4th Edition Ball Valve T - THD x THD S - SW x SW TS - THD x SW

Seal Welded Ball Valves

Series	Port	Body Material	Ball & Stem Material	Seat Material	Seal(s) Material*	Ends
W10 - Seal Welded 1000 WOG W20 - Seal Welded 2000 WOG W21 - Seal Welded 2160 WOG W36 - Seal Welded 3600 WOG W50 - Seal Welded 5000 WOG W60 - Seal Welded 6000 WOG	R - Reduced Port F - Full Port	S - 316SS, CF8M	S - 316 SS, CF8M	P - PEEK R - RPTFE D - DELRIN	P - PEEK R - RPTFE G - GRAPHITE *Denotes the limited seal material	T - NPT x NPT S* - SWE x SWE *Available on Series W36 & W60

Three Piece Fire-Safe Ball Valves

Design Type	Body Material	Ball & Stem Material	Port Type	Seats	Body Gasket & Stem Packing
3 - Three Piece	5 - Carbon Steel WCB 6 - 316 SS, CF8M w/316L CF8M End Caps 2 - Alloy 20, CN7M 9 - C-276 (CW12MW)	6 - 316 SS, CF8M 2 - Alloy 20, CN7M 9 - C-276 (CW12MW)	R - Reduced Port F - Full Port	T - PTFE R - RTFE P - PEEK	T - PTFE R - RTFE G - GRAPHITE

One, Two & Three Piece Ball Valves

Design Type	Figure Number	Body Materials	Port Type	Seats	Body Gasket & Stem Packing
1 - One Piece Two Piece Three Piece	1010 1020, 1022, 1050, 1052 1030	316 SS, CF8M 316 SS, CF8M & WCB 316 SS, CF8M	Reduced Full & Reduced Full	T - PTFE R - RTFE	T - PTFE R - RTFE

Forged A-105N Carbon Threaded & Socket Weld End

Design Type	Class 800 lb. BB	Class 800 lb. WB	Class 1500 lb. BB
Gate	851-T 851-S 851-TS	851W-T 851W-S	1551-5-T 1551-5-S
Globe	852-T 852-S	852W-T 852W-S	1552-5-T 1552-5-S
Swing Check	853-T 853-S	853W-T 853W-S	1553-5-T 1553-5-S
Piston Lift Check	854-T 854-S	854W-T 854W-S	1554-5-T 1554-5-S
Ball Check	855-T 855-S	855W-T 855W-S	1555-5-T 1555-5-S

Forged A-182 316L Stainless Threaded & Socket Weld End

Design Type	Class 800 lb.	Class 1500 lb.
Gate	801 HF	1501 HF
Globe	802 HF	1502 HF
Swing Check	803 HF	1503 HF
Piston Lift Check	804 HF	1504 HF
Ball Check	805 HF	1505 HF
Strainer	7806	

Also Available in stock: 304L, A-20. Available upon Request: F91, F321, F51

Forged A-105N RF Flanged Carbon Steel

Design Type	Class 150 lb. BB	Class 300 lb. BB
Gate	1155F	1305F
Globe	2155F	2305F
Swing Check	3155F	3305F
Piston Lift Check	3155PF	

Also Available in LF2, F5, F9, F11, F22 upon request.

*Note: Not all configurations are available on every valve. Materials other than listed may be available.

The information contained herein is not intended for specific construction or application purposes. Dimensions, specifications, or materials are subject to change without notice and without liability or obligation to furnish or install such changes or modifications on products previously or subsequently sold.



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