

Economy Ball Valve
WCB ■ Various other Alloys
2000 PSI (1/4" - 2")



**GLOBAL VALVE
& CONTROLS**



SERIES BV2000

Providing Hundreds of Products. Supporting Thousands of Clients. Controlling Millions of Gallons.

DEPEND ON US. WE CAN HANDLE THE PRESSURE.



SERIES G



GF-3



SERIESCK



GLF-4



SERIESGL



CKF-2



NVG6000



NV10000



GLOBAL VALVE & CONTROLS



20-RP



20-FP



SERIES SBG



SERIES EXPG



SERIES FS



BV2000



SERIES 2T/3T



BV3600



BV6000



CFS



SERIES 30



BV3705



YFS w/ MCB



FS525



SERIES 790



SERIES 10



SERIES 800



SERIES FSD-61

Discover the difference!



Series BV2000

- ◆ Sizes 1/4" - 2"
- ◆ 2000 W.O.G. (PSI)
- ◆ 1-Piece Body Design, Reduced Port
- ◆ Threaded End Connections to ASME B1.20.1 (NPT)
- ◆ Carbon Steel
- ◆ NACE MR0175 Compliant
- ◆ SS handle without a locking Device



GLOBAL Valve & Controls®  is an ISO 9001 certified and API 6D, Q1 licensed valve manufacturer of Domestic and Non Domestic products. Offering Ball, Globe, Gate, Expanding Gate, Slab Gate, Check, and Needle Valves; Actuators and Automation Accessories.

 accommodates & services the Upstream, Midstream & Down-stream market segments of the oil/gas industry, with a primary focus on Natural Gas Transport and Storage Projects, as well as, the Petrochemical, Agricultural, Mining, Water/ Waste Management, and Aerospace Industrial Sectors.

GLOBAL Valve & Controls® has the right valve for the right application, ranging from ANSI 150 through 2500, sizes 1/4 to 48", in Stainless Steel, Carbon Steel, Alloy 20, Monel, Duplex, and other various exotic body materials.

 also carries fully automated valve packages, fugitive emission solutions, control packages, cryogenic valves, as well as, various valve coating solutions. Special Ordering is available!

GLOBAL Valve & Controls® continues to make strides in elevating our company beyond industry standards, by being consistent in providing products that are of superior quality and performance, dedicating ourselves to quality assurance, and being immediately responsive to our customer needs. We look forward to the opportunity to supply your valve needs!

Sincerely

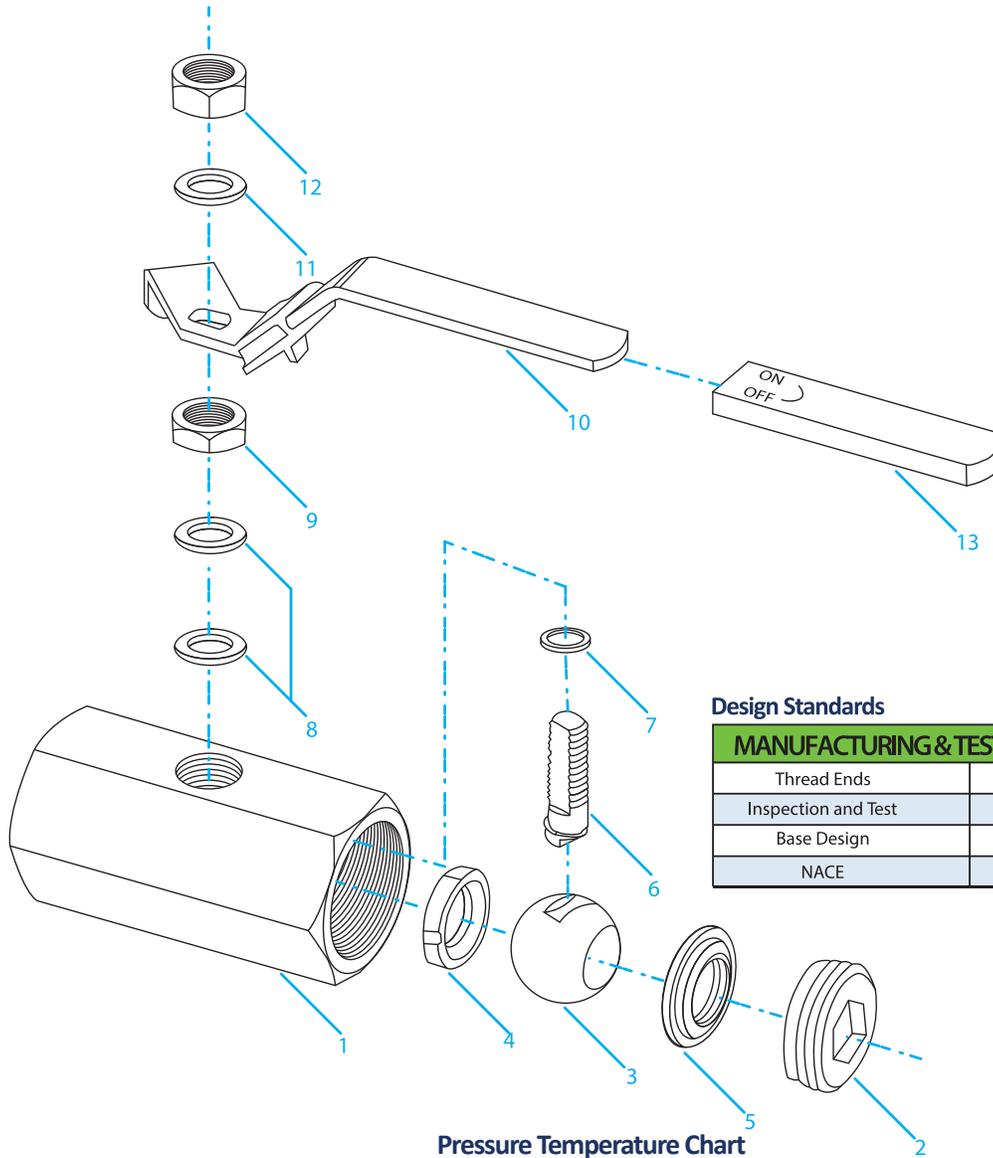
Troy Richard
CEO at GLOBAL Valve
& Controls



MATERIALS OF CONSTRUCTION

SERIES BV2000

Exploded Side View



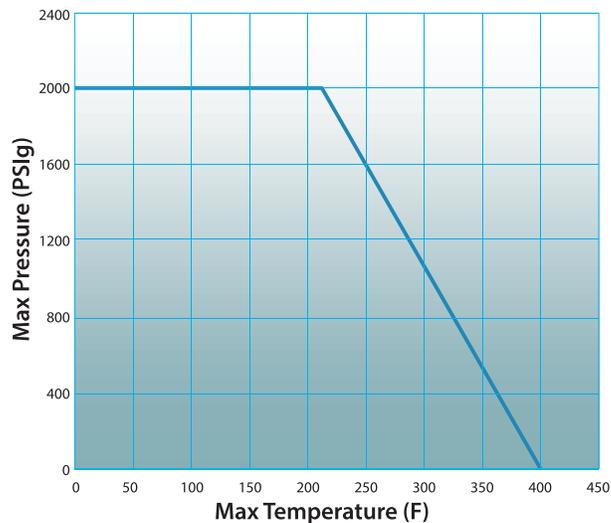
Design Standards

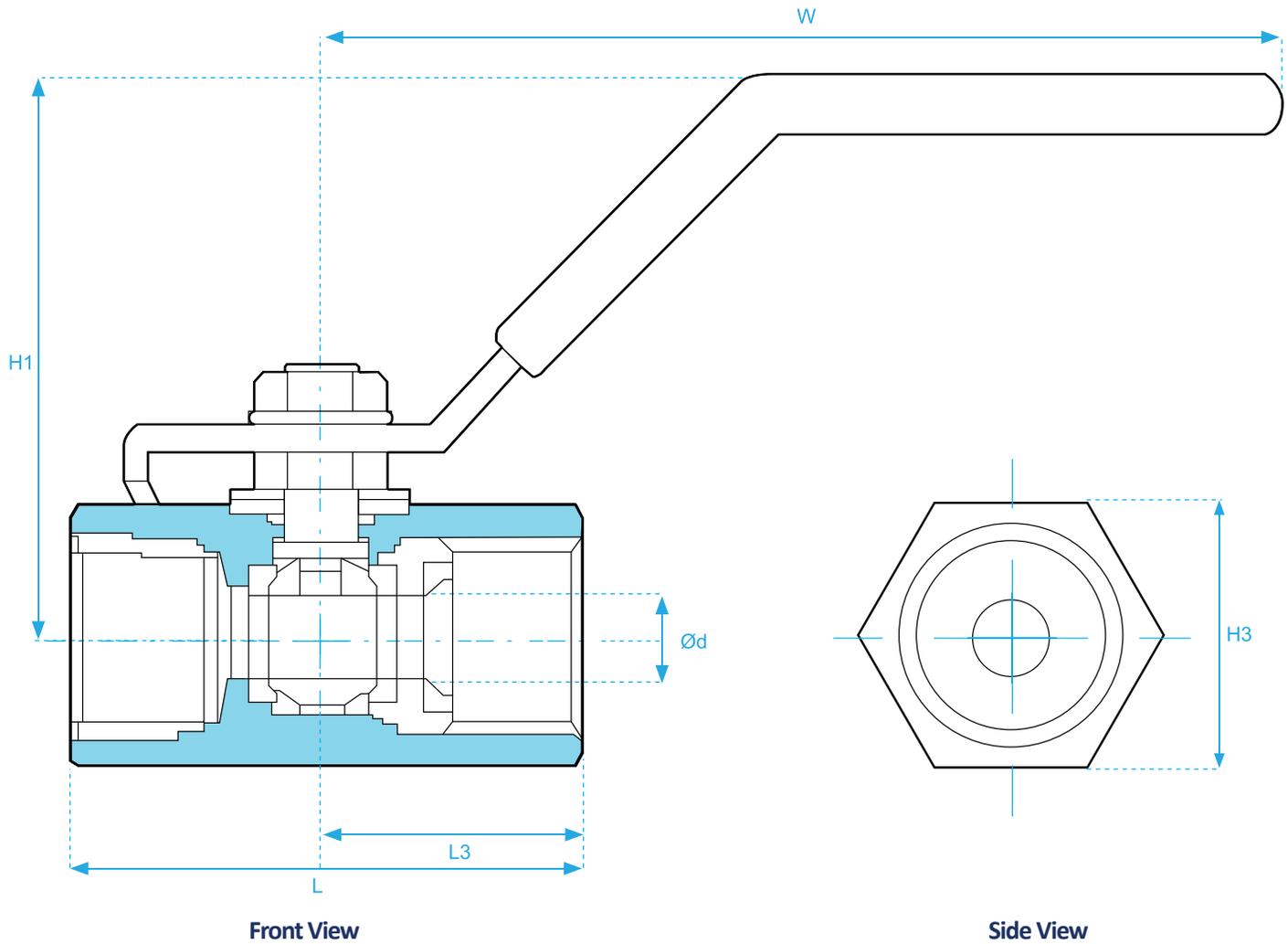
MANUFACTURING & TESTING STANDARDS	
Thread Ends	ASME B 1.20.1
Inspection and Test	API 598
Base Design	ASME B16.34, API 608
NACE	MR0175

Bill of Materials

NO.	PART NAME	MATERIAL
1	Body	A108 Gr.1018
2	Spacer	A108 Gr.1018
3	Ball	AISI 304/CF8
4	Ball Seat	RTFE
5	Spacer Seal	RTFE
6	Stem	AISI 304
7	Thrust Washer	RTFE
8	Stem Packing	RTFE
9	Gland	A194 Gr.8
10	Handle	AISI 304
11	Spring Washer	AISI 304
12	Stem Nut	A194 Gr.8
13	Handle Cover	Plastic

Pressure Temperature Chart





Design Standards

Test Pressure	
Shell Test (Water)	3000 PSI
Seat Test (Water)	2200 PSI
Seat Test (Air)	85 PSI

Design Standards

MANUFACTURING & TESTING STANDARDS	
Thread Ends	ASME B 1.20.1
Inspection and Test	API 598
Base Design	ASME B16.34, API 608
NACE	MR0175

Key

NO.	PART NAME
L	LENGTH (END TO END)
L3	LENGTH (CENTER TO END)
H1	HEIGHT (CENTER OF BORE TO TOP OF HANDWHEEL)
H3	HEIGHT (BOTTOM TO TOP OF VALVE)
Ød	DIAMETER OF BORE
W	DIAMETER OF HANDWHEEL/ LENGTH OF LEVER

Engineering Data

UNIT	SIZE	Ød	L3	L	H1	W	H3
in	1/4"	0.197	0.925	1.693	1.299	2.598	0.669
mm	8	5	23.4	43	32.9	65.9	16.9
in	3/8"	0.268	1.024	1.870	1.378	2.362	0.827
mm	10	6.8	26	47.4	35	59.9	21
in	1/2"	0.362	1.299	2.421	2.362	4.134	1.142
mm	15	9.1	32.9	61.4	59.9	105	29
in	3/4"	0.492	1.476	2.740	2.520	4.252	1.378
mm	20	12.4	37.4	69.5	64	108	35
in	1"	0.591	1.752	3.366	2.638	4.724	1.614
mm	25	15	44.5	85.4	67	119.9	40.9
in	1 1/4"	0.787	1.909	3.701	3.110	5.709	2.165
mm	32	19.9	48.4	94	78.9	145	54.9
in	1 1/2"	0.984	1.909	3.976	3.150	5.709	2.244
mm	40	24.9	48.4	100.9	80	145	56.9
in	2"	1.260	2.244	4.488	3.583	5.709	2.874
mm	50	32	56.9	113.9	91	145	72.9



HOW TO ORDER

SERIES BV2000



SERIES BV2000

- ◆ 1/4" – 2" 2000 W.O.G. (PSI) Rated
- ◆ 1-Piece Design
- ◆ Reduced Port
- ◆ NACE MR0175 Compliant
- ◆ Fire-Safe Design

Series	Body	Trim	Seats	Seals	Ends	Operator	Options	Size
BV2000	1 - Carbon Steel	3 - 316SS	R- Reinforced Teflon	R- Reinforced Teflon	TE - Threaded Ends	L - Lever Handle	X - Special	1/4"
		X - Special						3/8"
	X - Special		T- Teflon (TFE)	T- Teflon (TFE)				1/2"
				G - Grafoil				3/4"
								1"
								1 1/4"
								1 1/2"
								2"

BV2000	1	3	R	G	TE	-.50	
Series	Body	Trim	Seats	Seals	Ends	Options	Size

Description:

1/2" 2000 PSI, 1-Piece Body Design, Threaded End Ball Valve, Carbon Steel Body, Stainless Steel Trim, Reinforced Teflon Seats, Grafoil Seals, NACE MR0175 Compliant

PLEASE NOTE: There may be some performance variations between the GVC Series BV2000 and other manufacturer's comparable body designs. To ensure the longevity of performance, please provide specific information relevant to the requirements needed for each application process.



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Please contact our sales representatives to receive more information regarding your systems particular needs.

Due to the ongoing development of our product line, Global Valve & Controls reserves the right to change the dimensions contained in the leaflet, as required.