

Economy Ball Valve  
CF8M ■ Various other Alloys  
1000 PSI (1/4" - 2")



**SERIES 800**



**GLOBAL VALVE  
& CONTROLS**



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



™



20-RP



20-FP

GLOBAL VALVE & CONTROLS



SERIES SBG



SERIES EXPG



SERIES FS



BV2000



SERIES 2T/3T



BV3600



BV6000



YFS w/ MCB



CFS



SERIES 790



SERIES 30

BV3705



SERIES 10



SERIES 800



SERIES FSD-61

# Discover the difference!



## Series 800

- ◆ Sizes ¼"-2"
- ◆ 1000 W.O.G. (PSI)
- ◆ 1-Piece Body Design, Reduced Port
- ◆ Threaded End Connections to ASME B1.20.1 (NPT)
- ◆ All Stainless Steel Body and Trim
- ◆ Blowout Proof Stem
- ◆ NACE MR0175 Compliant
- ◆ Locking SS handle



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

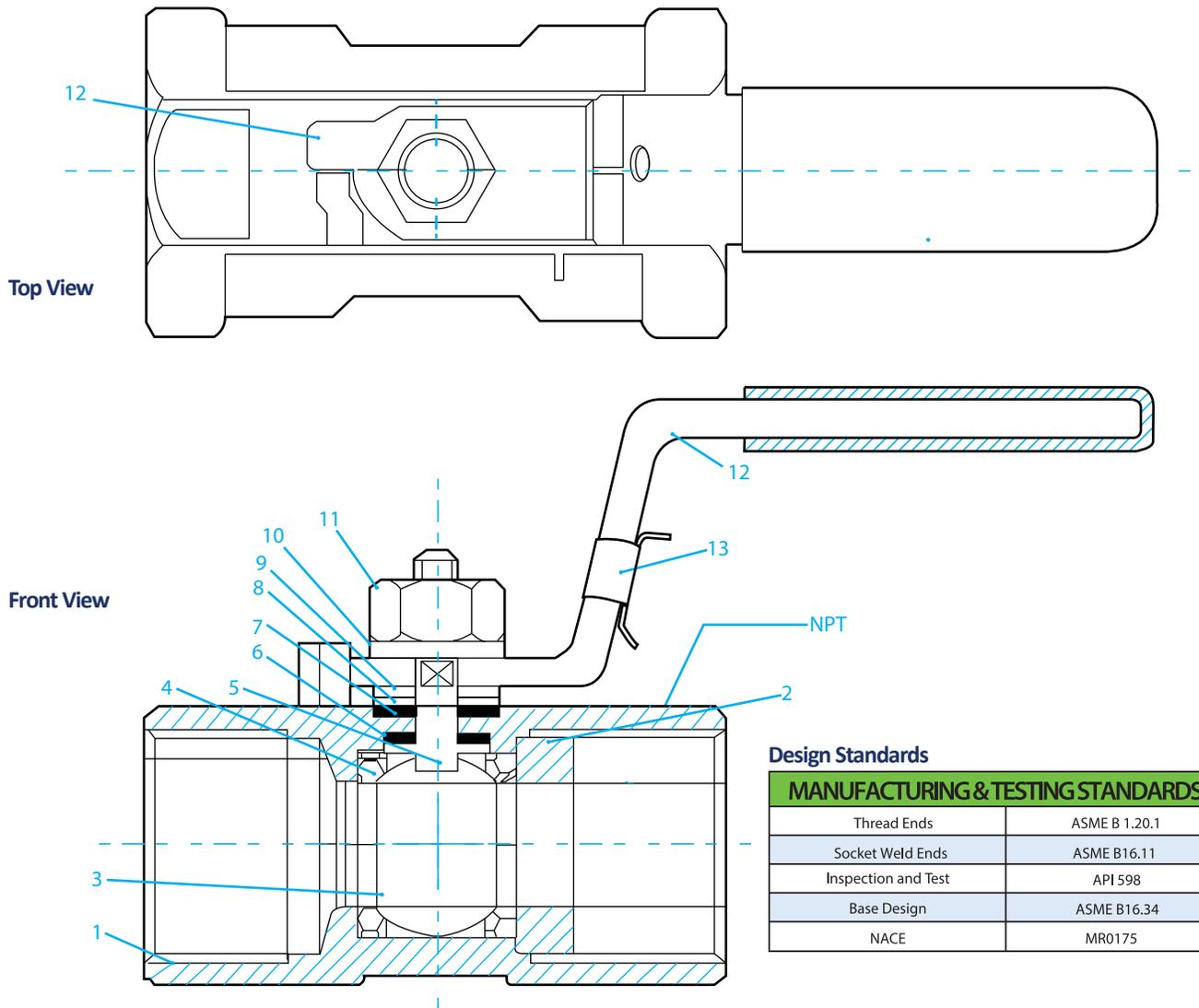


**Troy Richard**  
CEO at GLOBAL Valve  
& Controls



# MATERIALS OF CONSTRUCTION

## SERIES 800



### Design Standards

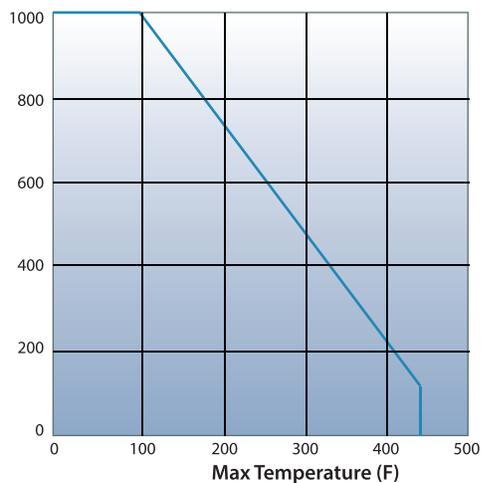
MANUFACTURING & TESTING STANDARDS	
Thread Ends	ASME B 1.20.1
Socket Weld Ends	ASME B16.11
Inspection and Test	API 598
Base Design	ASME B16.34
NACE	MR0175

### CV Chart

SIZE	CV FACTOR	WEIGHT
1/4"	13	0.18
3/8"	25	0.25
1/2"	34	0.39
3/4"	61	0.58
1"	96	1.00
1 1/4"	128	1.50
1 1/2"	197	2.13
2"	447	4.46

\*CV = GPM results in a 1 psi pressure drop

### Pressure Temperature Chart



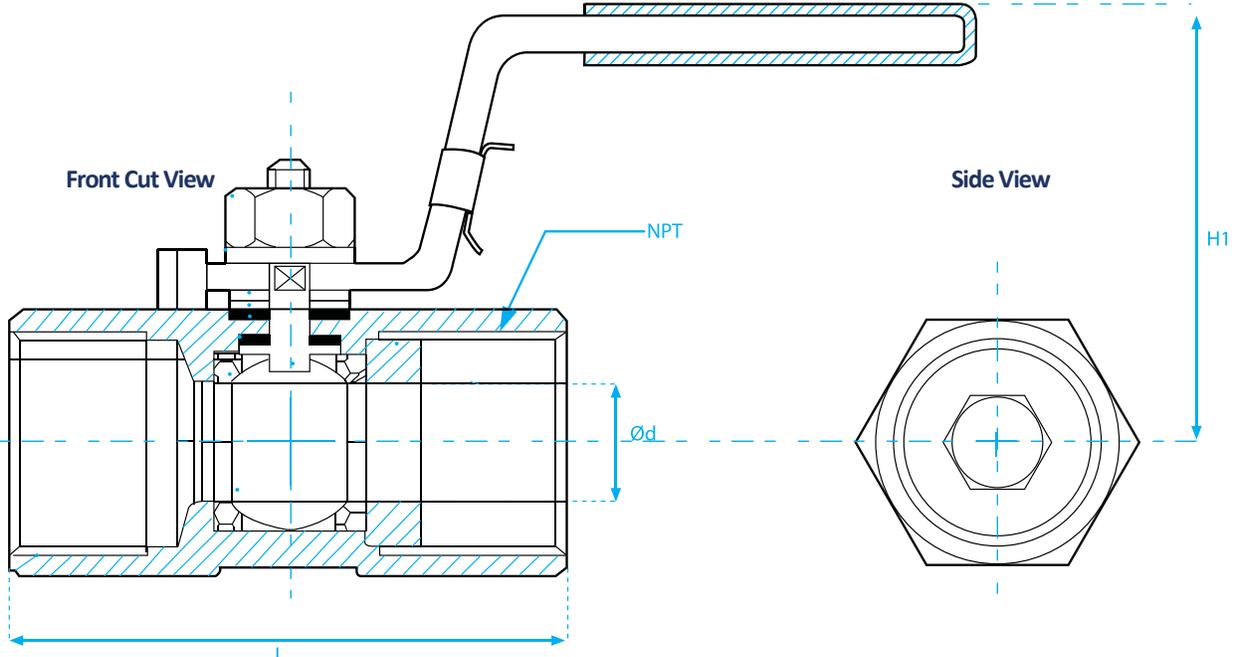
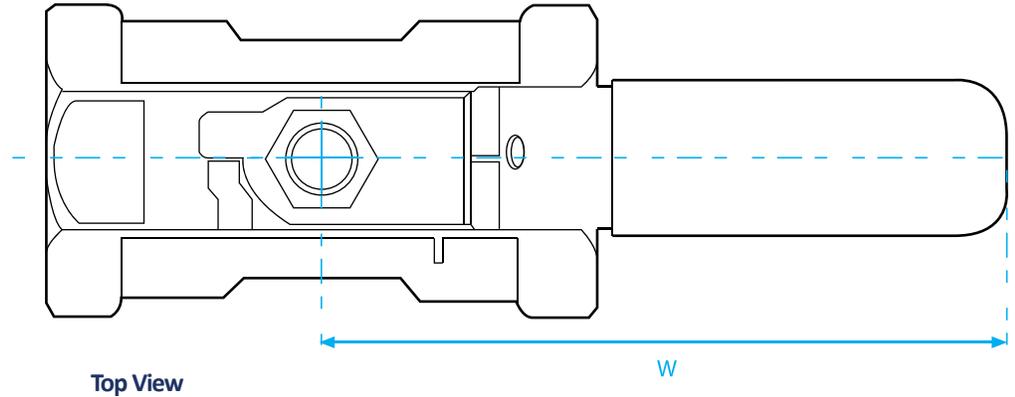
### Bill of Materials

NO.	PART NAME	MATERIAL
1	Body	A351-CF8M
2	Insert	A351-CF8M
3	Ball	A351-CF8M
4	Seat	PTFE®
5	Stem	316SS
6	Thrust Washer	PTFE®
7	Stem Seal	PTFE®
8	Gland Washer	304SS
9	Conical Spring Washer	304SS
10	Spring Washer	304SS
11	Stem Nut	304SS
12	Lever Handle	304SS
13	Locking Device	304SS



# MATERIALS AND ENGINEERING DATA

## SERIES 800



### Design Standards

MANUFACTURING & TESTING STANDARDS	
Thread Ends	ASME B 1.20.1
Socket Weld Ends	ASME B16.11
Inspection and Test	API 598
Base Design	ASME B16.34
NACE	MR0175

### Dimension Chart

UNIT	SIZE	Ød	L	H1	W
in	1/4"	0.197	1,535	1,201	2,744
mm	8	5	39	31	70
in	3/8"	0.283	1,732	1,220	3,209
mm	10	7	44	31	82
in	1/2"	0.362	2,224	1,850	3,819
mm	15	9	56	47	97
in	3/4"	0.492	2,323	1,988	3,819
mm	20	12	59	50	97
in	1"	0.591	2,795	2,047	3,976
mm	25	15	71	52	101
in	1 1/4"	0.787	3,071	2,244	3,976
mm	32	20	78	57	101
in	1 1/2"	0.984	3,268	2,618	5,748
mm	40	25	83	66	146
in	2"	1.260	3,937	2,815	5,748
mm	50	32	100	72	146



### SERIES 800

- ◆ Sizes 1/4" – 2" 1000 W.O.G. (PSI) Rated
- ◆ 1-Piece Body Design
- ◆ Reduced Port
- ◆ NACE MR0175 Complaint, Blow Out Proof Stem

Series	Body	Trim	Seats	Seals	Ends	Operator	Options	Size
800	3 - 316SS	3 - 316SS	R- Reinforced Teflon	R- Reinforced Teflon	TE - Threaded Ends	L - Lever Handle	X - Special	1/4"
	X - Special	X - Special						3/8"
			T- Teflon (TFE)	T- Teflon (TFE)				1/2"
				G - Grafoil				3/4"
								1"
								1 1/4"
								1 1/2"
								2"

<b>800</b>	<b>3</b>	<b>3</b>	<b>T</b>	<b>T</b>	<b>TE</b>		<b>-.50</b>
Series	Body	Trim	Seats	Seals	Ends	Options	Size

#### Description:

1/2" 1000 PSI, 1-Piece Body Design, Reduced Port, 316SS Body and Trim, Teflon Seats & Seals, and Threaded Ends with Locking Handle

**PLEASE NOTE:** There may be some performance variations between the GVC Series 800 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.*