Cast Steel API Globe Valves

The Right Connection®

Globe Valves ANSI/API Class 150, 300, and 600: For general industrial use

Sizes
- 3”, 4”, 6”, and 8”

Features
- Bolted bonnet
- Classes: 150, 300, and 600
- MTRs available

Materials
- Body and bonnet made from cast A216 WCB
- Gasket: 304 stainless steel and graphite

Specifications
- End configuration: raised face (RF)
- Basic design: API 623
- End flange: ASME B16.5
- Face to face: ASME B16.10

Part #	Size	Class	Ends	API Trim	Weight (lbs)	Cv (gpm)
D851008-300	3”	150	RF	8	82	116.5
D851008-400	4”	150	RF	8	126	182.1
D851008-600	6”	150	RF	8	197	409.6
D851008-800	8”	150	RF	8	325	728.2
D853008-300	3”	300	RF	8	101	116.5
D853008-400	4”	300	RF	8	165	182.1
D853008-600	6”	300	RF	8	304	409.6
D853008-800[1]	8”	300	RF	8	521	728.2
D856008-300	3”	600	RF	8	140	116.5
D856008-400	4”	600	RF	8	261	182.1
D856008-600	6”	600	RF	8	448	409.6
D856008-800[1]	8”	600	RF	8	983	728.2

[1] Basic design: ASME B16.34

NOTE: Please contact sales@dixonvalve.com for more information

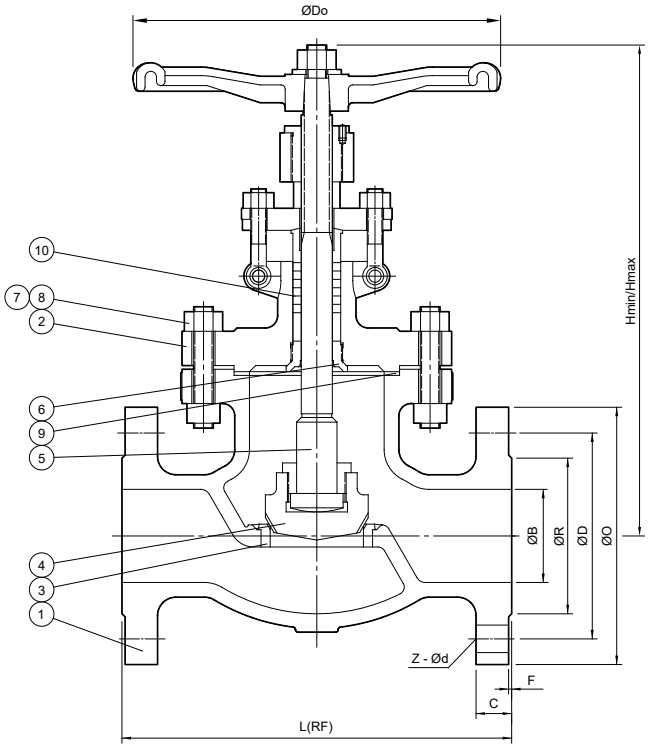
Dixon

6525 Homestead Road
Houston, TX 77028
ph: 713.678.4291
fx: 713.678.8105
dixonvalve.com

Bill of Materials

Item	Description	Material
1	body	carbon steel A216 WCB
2	bonnet	carbon steel A216 WCB
3	seat ring	carbon steel A105, Stellite faced
4	disc	carbon steel A105, 410 stainless steel faced
5	stem	stainless steel A182 F6A
6	backseat ring	stainless steel A276 420
7	bolt	alloy steel A193 B7
8	nut	alloy steel A194 2H
9	gasket	304 stainless steel / graphite
10	packing	graphite

NOTE: See engineering cut sheet for detailed material information.



Dimensions

General					Raised Face (RF)							
Size	Class	H min (inch)	H max (inch)	ØDo (inch)	ØB (inch)	L(RF) (inch)	ØO (inch)	ØD (inch)	ØR (inch)	C (inch)	F (inch)	Z-Ød (inch)
3”	150	14.06	15.39	11.81	3.00	9.50	7.50	6.00	5.00	0.75	0.06	4-0.75
4”	150	16.46	17.95	11.81	4.00	11.50	9.00	7.50	6.19	0.94	0.06	8-0.75
6”	150	17.56	19.61	15.75	6.00	16.00	11.00	9.50	8.50	1.00	0.06	8-0.87
8”	150	20.12	22.56	17.72	8.00	19.50	13.50	11.75	10.62	1.12	0.06	8-0.87
3”	300	14.06	15.35	11.81	3.00	12.50	8.25	6.62	5.00	1.12	0.06	8-0.87
4”	300	16.77	18.11	13.78	4.00	14.00	10.00	7.88	6.19	1.25	0.06	8-0.87
6”	300	21.02	23.19	17.72	6.00	17.50	12.50	10.62	8.50	1.44	0.06	12-0.87
8”	300	23.86	26.30	21.65	8.00	22.00	15.00	13.00	10.62	1.62	0.06	12-1.00
3”	600	17.20	18.66	13.78	3.00	14.00	8.25	6.62	5.00	1.25	0.25	8-0.87
4”	600	20.31	21.69	17.72	4.00	17.00	10.75	8.50	6.19	1.50	0.25	8-1.00
6”	600	24.80	26.97	23.62	6.00	22.00	14.00	11.50	8.50	1.88	0.25	12-1.13
8”	600	29.09	31.61	27.56	8.00	26.00	16.50	13.75	10.62	2.19	0.25	12-1.25

Dixon valves are designed to work safely for their intended use. Failure to know and understand the intended use or to consider the size, temperature, application, media, pressure, and manufacturers’ recommendations when selecting the proper valve assembly components can result in accidents and injuries, including death and serious and permanent injuries. Dixon recommends that all valve assemblies be tested in accordance with ASME and API recommendations and be inspected regularly to ensure that their use remains appropriate and that they are not damaged.

At no charge, Dixon is available to consult, train, and recommend the proper selection and application of all valves we sell. We strongly recommend that distributors and end users make use of Dixon’s Testing and Recommendation Services. Contact Dixon to learn more.

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