Bellows Sealed Globe Valves - G8-Series

Dixon Eagle[®] brand bellows sealed globe valves ANSI/API Class 150, 300, 600, and 800: for general industrial use

Sizes

• 1/2", 3/4", 1", 1-1/2", and 2"

Features

- Bolted bonnet
- Classes: 150, 300, 600, and 800

Materials

- Body and bonnet: forged A105N or F316L
- Bellows: Inconel 625
- MTRs available

Specifications

- · End configuration: socket weld, threaded, or flanged
- Basic design: API 602
- End flange: ASME B16.5
- Threaded ends: ASME B1.20.1
- Face to face: ASME B16.10
- Bellows: MSS SP-117

Part #	Size	Class	Material	Ends	API Trim
G8CSW050	1/2"	800	A105N	SW	8
G8CSW075	3/4"	800	A105N	SW	8
G8CSW100	1"	800	A105N	SW	8
G8CSW150	1-1/2"	800	A105N	SW	8
G8CSW200	2"	800	A105N	SW	8
G8CSE050	1/2″	800	A105N	threaded	8
G8CSE075	3/4"	800	A105N	threaded	8
G8CSE100	1″	800	A105N	threaded	8
G8CSE150	1-1/2"	800	A105N	threaded	8
G8CSE200	2″	800	A105N	threaded	8
G8SSW050	1/2″	800	F316L	SW	16
G8SSW075	3/4"	800	F316L	SW	16
G8SSW100	1″	800	F316L	SW	16
G8SSW150	1-1/2"	800	F316L	SW	16
G8SSW200	2"	800	F316L	SW	16
G8SSE050	1/2″	800	F316L	threaded	16
G8SSE075	3/4"	800	F316L	threaded	16
G8SSE100	1″	800	F316L	threaded	16
G8SSE150	1-1/2"	800	F316L	threaded	16
G8SSE200	2"	800	F316L	threaded	16



Dixon

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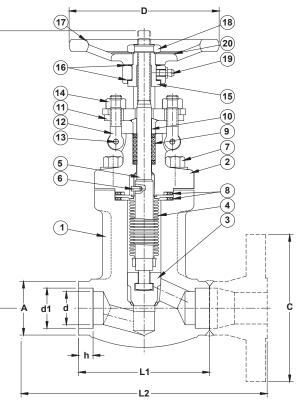
NOTE: Please contact eaglesales@dixonvalve.com for more information

Dixon Eagle® Bellows Seal Valves - G8-Series Technical Information



Materials

No.	Description	Carbon Steel (C)	316L Stainless (S)
1	body	A105N ¹	A182 F316L ¹
2	bonnet	A105N	A182 F316L
3	disc	type 420 stainless	type 316 stainless ¹
4	bellows assy.	Inconel [™] 625 ²	Inconel [™] 625 ²
5	stem	type 410 stainless	type 316 stainless
6	guide pin	carbon steel	carbon steel
7	joint bolt	A193 B7	A193 B8
8	gasket	graphite / 316 SS	graphite / 316 SS
9	gland packing	graphite	graphite
10	gland bushing	type 410 stainless	type 304 stainless
11	gland plate	carbon steel	type 316 stainless
12	gland bolt	type 410 stainless	type 304 stainless
13	pin	type 410 stainless	type 304 stainless
14	hex nut	carbon steel	type 304 stainless
15	yoke sleeve	type 410 stainless	copper alloy
16	thrust collar	type 410 stainless	type 410 stainless
17	handwheel	malleable iron	malleable iron
18	handle nut	carbon steel	type 304 stainless
19	grease fitting	copper alloy	copper alloy
20	name plate	aluminum	aluminum



1 Stellite[™] overlay on seating area. Stellite[™] is a registered trademark of Thermadyne.

2 Inconel[™] is a trademark of Huntington Alloys, Inc.

Operating Characteristics and Dimensions

Socket Weld / Threaded Globe Valves

Size	d	Α	d1	h	L1	Н	D	LIFT	Wt (lbs)	Cv
1/2"	0.63	1.34	0.855	0.39	3.11	8.3	3.94	0.26	5.9	2.7
3/4"	0.87	1.57	1.065	0.51	3.62	8.3	3.94	0.26	6.2	3.1
1″	1.10	1.93	1.330	0.51	4.37	9.2	4.92	0.26	11.0	5.4
1-1/2"	1.65	2.56	1.915	0.51	5.98	11.9	6.30	0.43	21.0	13.4
2"	2.05	3.07	2.406	0.63	6.77	12.8	7.09	0.49	30.0	23.0

Flanged Globe Valves

	150			300			600		
Size	L2	С	Wt (lbs)	L2	С	Wt (lbs)	L2	С	Wt (lbs)
1/2"	4.25	3.50	8.0	6.00	3.75	10.0	6.50	3.75	10.0
3/4"	4.62	3.88	9.0	7.00	4.62	13.0	7.50	4.62	14.0
1"	5.00	4.25	15.0	8.00	4.88	19.0	8.50	4.88	20.0
1-1/2"	6.50	5.00	27.0	9.00	6.12	35.0	9.50	6.12	36.0
2"	8.00	6.00	41.0	10.50	6.50	49.0	11.50	6.50	51.0

Different configurations available for socket weld / threaded and flanged globe valves, consult eaglesales@dixonvalve.com

Warning & Safety



Dixon Eagle 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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