# **Bellows Sealed Gate Valves - H8-Series**

Dixon Eagle<sup>®</sup> brand bellows sealed gate 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

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

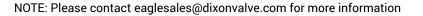
#### **Materials**

- Body and bonnet: forged A105N
- Bellows: 321 stainless steel
- 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	
H8CSW050	1/2"	800	A105N	SW	8	
H8CSW075	3/4"	800	A105N	SW	8	
H8CSW100	1"	800	A105N	SW	8	
H8CSW150	1-1/2"	800	A105N	SW	8	
H8CSW200	2"	800	A105N	SW	8	
H8CSE050	1/2"	800	A105N	threaded	8	
H8CSE075	3/4"	800	A105N	threaded	8	
H8CSE100	1"	800	A105N	threaded	8	
H8CSE150	1-1/2"	800	A105N threaded		8	
H8CSE200	2"	800	A105N	threaded	8	





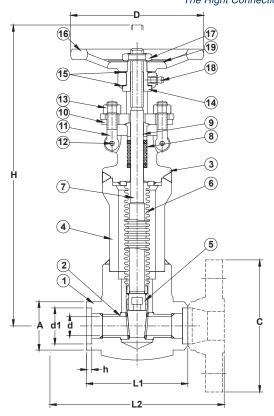


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# **Dixon Eagle® Bellows Seal Valves - H8-Series Technical Information**

## Materials

No.	Description	Carbon Steel (C)				
1	body	A105N				
2	seat ring	type 316 stainless <sup>1</sup>				
3	bonnet	A105N				
4	extension	A105N				
5	gate	type 420 stainless				
6	bellows assy.	type 321 stainless				
7	stem	type 410 stainless				
8	gland packing	graphite				
9	gland bushing	type 410 stainless				
10	gland plate	carbon steel				
11	gland bolt	type 410 stainless				
12	pin	type 410 stainless				
13	hex nut	carbon steel				
14	yoke sleeve	type 410 stainless				
15	thrust collar	type 410 stainless				
16	handwheel	malleable iron				
17	handle nut	carbon steel				
18	grease fitting	copper alloy				
19	name plate	aluminum				



1 Stellite<sup>™</sup> overlay on seating area. Stellite<sup>™</sup> is a registered trademark of Thermadyne.

# **Operating Characteristics and Dimensions** Socket Weld / Threaded Gate Valves

Size	d	Α	d1	h	L1	Н	D	LIFT	Wt (lbs)	Cv
1/2"	0.39	1.34	0.855	0.39	3.11	9.8	3.94	0.51	6.4	7.1
3/4"	0.54	1.57	1.065	0.51	3.62	10.9	3.94	0.67	7.2	15.0
1"	0.71	1.93	1.330	0.51	4.37	13.1	4.92	0.87	11.0	25.0
1-1/2"	1.14	2.56	1.915	0.51	4.72	17.0	6.30	1.34	20.0	75.0
2"	1.45	3.07	2.406	0.63	5.51	20.3	7.09	1.69	30.0	120.0

### **Flanged Gate Valves**

Size		150			300			600		
	L2	С	Wt (lbs)	L2	С	Wt (lbs)	L2	С	Wt (lbs)	
1/2"	4.25	3.50	9.0	5.50	3.75	11	6.50	3.75	12	
3/4"	4.62	3.88	11.0	6.00	4.62	15	7.50	4.62	16	
1"	5.00	4.25	15.0	6.50	4.88	19	8.50	4.88	21	
1-1/2"	6.50	5.00	26.0	7.50	6.12	34	9.50	6.12	36	
2"	7.00	6.00	40.0	8.50	6.50	48	11.50	6.50	51	

• Different configurations available for socket weld / threaded and flanged gate 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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