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

Dixon Eagle® 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 A105NBellows: 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

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



### Dixon Eagle® Bellows Sealed Valves - H8-Series

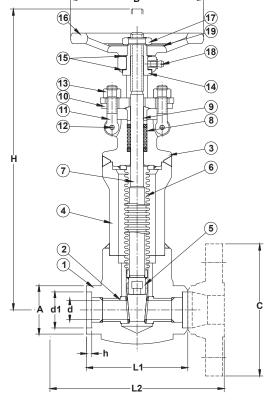
## **Technical Information**



The Right Connection®

### Materials

Description	Carbon Steel (C)
body	A105N
seat ring	type 316 stainless <sup>1</sup>
bonnet	A105N
extension	A105N
gate	type 420 stainless
bellows assy.	type 321 stainless
stem	type 410 stainless
gland packing	graphite
gland bushing	type 410 stainless
gland plate	carbon steel
gland bolt	type 410 stainless
pin	type 410 stainless
hex nut	carbon steel
yoke sleeve	type 410 stainless
thrust collar	type 410 stainless
handwheel	malleable iron
handle nut	carbon steel
grease fitting	copper alloy
name plate	aluminum
	body seat ring bonnet extension gate bellows assy. stem gland packing gland bushing gland plate gland bolt pin hex nut yoke sleeve thrust collar handwheel handle nut grease fitting



### **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**

Cina	150			300			600		
Size	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.

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