## **Bellows Sealed Gate Valves - W8-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**

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

Size

1"

1-1/2"

2"

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 #

W8SSE100

W8SSE150

W8SSE200

W8CSW050 1/2" 800 A105N SW 8 3/4" SW W8CSW075 800 A105N W8CSW100 1" 800 A105N SW 8 W8CSW150 1-1/2" 800 A105N SW 8 2" W8CSW200 800 A105N SW 8 W8CSE050 1/2" 800 A105N threaded 8 3/4" A105N threaded **W8CSE075** 800 8 1" W8CSE100 800 A105N threaded 8 1-1/2" 800 A105N threaded 8 W8CSE150 2" 800 A105N threaded 8 W8CSE200 1/2" 800 F316L SW W8SSW050 16 3/4" 800 F316L SW W8SSW075 16 1" 800 F316L SW W8SSW100 16 1-1/2" 800 F316L SW W8SSW150 16 2" 800 F316L SW W8SSW200 16 1/2" 800 F316L threaded W8SSE050 16 3/4" 800 F316L threaded W8SSE075 16

Class

Material

**Ends** 

**API Trim** 

16

16

16

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

800

800

800

F316L

F316L

F316L



threaded

threaded

threaded

## Dixon Eagle® Bellows Seal Valves - W8-Series

## **Technical Information**

# DIXON

### **Materials**

The	Right	Connection®
1110	nigiii	Connection

No.	Description	Carbon Steel (C)	316L Stainless (S)
1	body	A105N	A182 F316L
2	seat ring	type 316 stainless <sup>1</sup>	type 316 stainless <sup>1</sup>
3	bonnet	A105N	A182 F316L
4	gate	type 420 stainless	type 316 stainless <sup>1</sup>
5	bellows assy.	Inconel™ 625 <sup>2</sup>	Inconel™ 625 <sup>2</sup>
6	stem	type 410 stainless	type 316 stainless
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

H 6 3 3 8 8 5 5 5 C C

### **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	9.3	3.94	0.51	7	7.1
3/4"	0.54	1.57	1.065	0.51	3.62	10.1	3.94	0.67	8	15.0
1"	0.71	1.93	1.330	0.51	4.37	12.2	4.92	0.87	14	25.0
1-1/2"	1.14	2.56	1.915	0.51	4.72	16.0	6.30	1.34	25	75.0
2"	1 45	3.07	2 406	0.63	5 51	18.6	7.09	1.69	40	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	10	5.50	3.75	12	6.50	3.75	13
3/4"	4.62	3.88	12	6.00	4.62	16	7.50	4.62	17
1"	5.00	4.25	18	6.50	4.88	22	8.50	4.88	24
1-1/2"	6.50	5.00	31	7.50	6.12	39	9.50	6.12	41
2"	7 00	6.00	50	8 50	6.50	58	11.50	6.50	61

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

<sup>2</sup> Inconel<sup>™</sup> is a trademark of Huntington Alloys, Inc.