Bellows Sealed Gate Valves - L-Series

The Right Connection®

Dixon Eagle® brand bellows sealed gate 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

Materials
- Body and bonnet: cast A216 WCB
- Gasket: 316 stainless steel and graphite
- Bellows: Inconel 625
- MTRs available

Specifications
- End configuration: raised face (RF) or butt weld (BW) schedule 40
- Basic design: API 600
- End flange: ASME B16.5
- Butt weld: ASME B16.25
- Face to face: ASME B16.10
- Bellows: MSS SP-117

Part #	Size	Class	Material	Ends	API Trim
L1CF1300	3"	150	WCB	RF	5
L1CF1400	4"	150	WCB	RF	5
L1CF1600	6"	150	WCB	RF	5
L1CF1800	8"	150	WCB	RF	5
L3CF3300	3"	300	WCB	RF	5
L3CF3400	4"	300	WCB	RF	5
L3CF3600	6"	300	WCB	RF	5
L3CF3800	8"	300	WCB	RF	5

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

Dixon

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

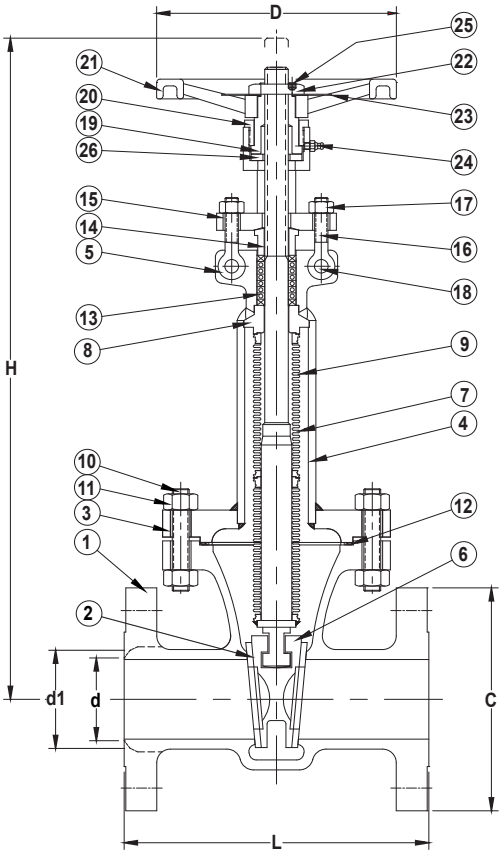
Dixon Eagle® Bellows Seal Valves - L-Series
Technical Information

The Right Connection®

Materials

No.	Description	Carbon Steel (C)
1	body	A216 WCB
2	seat ring	A105N [1]
3	bonnet	A216 WCB
4	extension	1025
5	yoke	A216 WCB
6	gate	A216 WCB [1]
7	bellows assy.	Inconel™ 625 [2]
8	bonnet bushing	type 316 stainless
9	stem	type 410 stainless
10	joint bolt	A193 B7
11	hex nut	A194 2H
12	gasket	graphite / 316 stainless
13	gland packing	graphite
14	gland bushing	type 410 stainless
15	gland plate	A216 WCB
16	gland bolt	A193 B7
17	hex nut	A194 2H
18	pin	carbon steel
19	sleeve	ductile iron
20	yoke cap	carbon steel
21	handwheel	malleable iron
22	handle nut	carbon steel
23	name plate	aluminum
24	grease fitting	carbon steel
25	set screw	alloy steel
26	thrust collar	copper alloy

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

Flanged End - ANSI 150

Size	C	L	H	D	Wt (lbs)
3"	7.50	8.00	29	10	75
4"	9.00	9.00	36	12	130
6"	11.00	10.50	53	16	210
8"	13.50	11.50	61	18	370

Butt Weld End - ANSI 150

Size	d	d1	L	H	D	LIFT	Cv	Wt (lbs)
3"	3.068	3.59	11.12	29	10	3.48	710	113
4"	4.026	4.62	12.00	36	12	4.45	1300	135
6"	6.065	6.78	15.88	53	16	6.45	3110	345
8"	7.981	8.78	16.50	61	18	8.50	5700	500

- Larger sizes and different configurations available, consult eaglesales@dixonvalve.com

Flanged and Butt Weld End - ANSI 300

Size	d	d1	C	L	H	D	LIFT	Cv	Wt (lbs) FL	Wt (lbs) BW
3"	3.068	3.59	8.25	11.12	29	10	3.48	710	136	113
4"	4.026	4.62	10.00	12.00	36	12	4.45	1300	179	135
6"	6.065	6.78	12.50	15.88	53	16	6.45	3110	420	345
8"	7.981	8.78	15.00	16.50	61	18	8.50	5700	600	500

- Larger sizes, different configurations, and class 600 available 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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