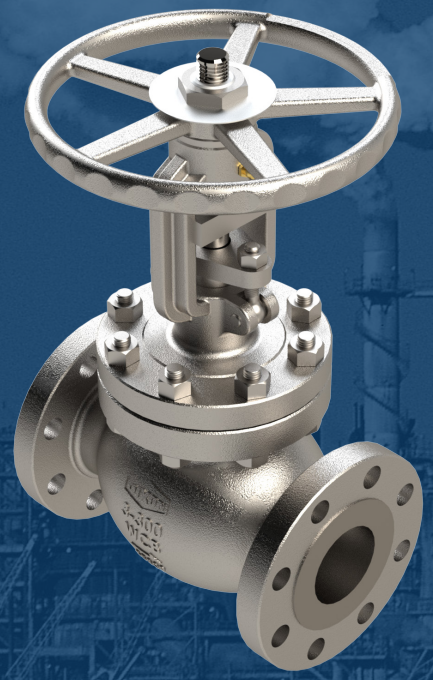
Bellows Sealed Globe Valves - J-Series

The Right Connection®

Dixon Eagle® brand bellows sealed globe valves ANSI 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: ASME B16.34
- 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
J1CF1300	3"	150	WCB	RF	8
J1CF1400	4"	150	WCB	RF	8
J1CF1600	6"	150	WCB	RF	8
J1CF1800	8"	150	WCB	RF	8
J3CF3300	3"	300	WCB	RF	8
J3CF3400	4"	300	WCB	RF	8
J3CF3600	6"	300	WCB	RF	8
J3CF3800	8"	300	WCB	RF	8

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

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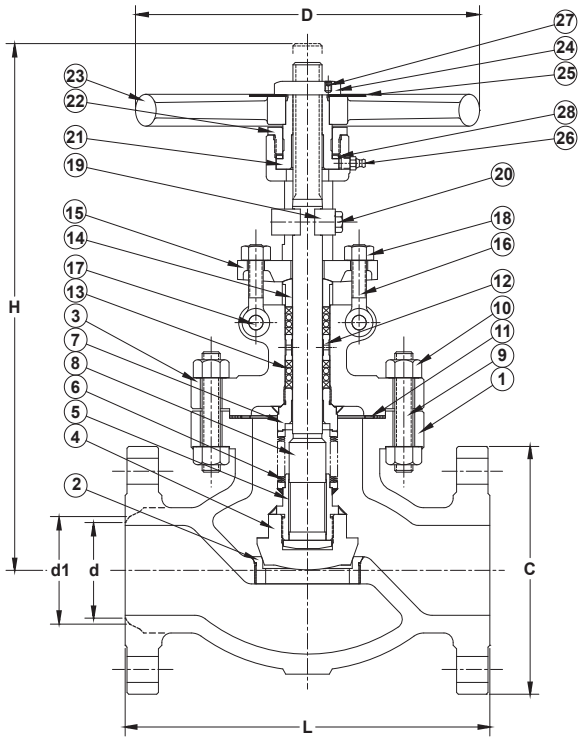
Dixon Eagle® Bellows Seal Valves - J-Series
Technical Information

The Right Connection®

Materials

No.	Description	Carbon Steel (C)
1	body	A216 WCB
2	seat ring	A105 N[1]
3	bonnet	A216 WCB
4	disc	A216 WCB + 13CR
5	disc nut	type 316 stainless
6	bellows assy.	Inconel™ 625 [2]
7	bonnet bushing	type 316 stainless
8	stem	type 410 stainless
9	joint bolt	A193 B7
10	hex nut	A194 2H
11	gasket	graphite / 316 stainless
12	packing washer	type 410 stainless
13	gland packing	graphite
14	gland bushing	type 410 stainless
15	gland plate	A216 WCB
16	gland bolt	A193 B7
17	pin	carbon steel
18	hex nut	A194 2H
19	guide plate	carbon steel
20	hex bolt	carbon steel
21	sleeve	ductile iron
22	yoke cap	carbon steel
23	handwheel	malleable iron
24	handle nut	carbon steel
25	name plate	aluminum
26	grease fitting	copper alloy
27	set screw	alloy steel
28	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 and Butt Weld End - ANSI 150

Size	d	d1	C	L	H	D	LIFT	Cv	Wt (lbs) FL	Wt (lbs) BW
3"	3.068	3.59	7.50	9.50	17	12	0.63	85	90	80
4"	4.026	4.62	9.00	11.50	19	14	0.79	150	150	120
6"	6.065	6.78	11.00	16.00	23	18	1.18	360	260	245
8"	7.981	8.78	13.50	19.50	28	20	1.57	650	430	400

- 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	12.50	18	12	0.63	85	120	90
4"	4.026	4.62	10.00	14.00	21	16	0.79	150	180	140
6"	6.065	6.78	12.50	17.50	24	18	1.18	360	340	270
8"	7.981	8.78	15.00	22.00	31	20	1.57	650	570	450

- 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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