Cast Steel API Check Valves

Check Valves ANSI/API Class 150, 300, and 600: For general industrial use

Sizes

• 3", 4", 6", and 8"

Features

- Bolted cover
- Classes: 150, 300, and 600
- MTRs available

Materials

- Body and cover made from cast A216 WCB
- Gasket: 304 stainless steel and graphite

Specifications

- End configuration: raised face (RF)
- Basic design: API 594
- End flange: ASME B16.5
- Face to face: ASME B16.10

Part #	Size	Class	Ends	API Trim	Weight (lbs)	Cv (gpm)
D891008-300	3″	150	RF	8	51	108.4
D891008-400	4"	150	RF	8	85	197.9
D891008-600	6"	150	RF	8	134	445.2
D891008-800	8"	150	RF	8	227	799.4
D893008-300	3"	300	RF	8	74	108.4
D893008-400	4"	300	RF	8	119	197.9
D893008-600	6"	300	RF	8	217	445.2
D893008-800	8"	300	RF	8	352	799.4
D896008-300	3"	600	RF	8	97	108.4
D896008-400	4"	600	RF	8	176	197.9
D896008-600	6"	600	RF	8	337	445.2
D896008-800	8"	600	RF	8	648	799.4

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





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Bill of Materials

ltem	Description	Material				
1	body	carbon steel A216 WCB	7			
2	cover	carbon steel A216 WCB				
3	seat ring	carbon steel A105, Stellite faced	-			
4	disc	carbon steel A105, 410 stainless steel faced	_			
5	hinge	carbon steel A216 WCB				
6	pin	stainless steel A276 420	-			
7	bolt	alloy steel A193 B7	_			
8	nut	alloy steel A194 2H				
9	gasket	304 stainless steel / graphite				



NOTE: See engineering cut sheet for detailed material information.

General			Raised Face (RF)							
Size	Class	H (inch)	ØB (inch)	L(RF) (inch)	ØO (inch)	ØD (inch)	ØR (inch)	C (inch)	F (inch)	Z-Ød (inch)
3"	150	6.26	3.00	9.50	7.50	6.00	5.00	0.75	0.06	4-0.75
4"	150	8.23	4.00	11.50	9.00	7.50	6.19	0.94	0.06	8-0.75
6"	150	9.88	6.00	14.00	11.00	9.50	8.50	1.00	0.06	8-0.87
8″	150	12.20	8.00	19.50	13.50	11.75	10.62	1.12	0.06	8-0.87
3"	300	6.65	3.00	12.50	8.25	6.62	5.00	1.12	0.06	8-0.87
4"	300	8.70	4.00	14.00	10.00	7.88	6.19	1.25	0.06	8-0.87
6″	300	10.83	6.00	17.50	12.50	10.62	8.50	1.44	0.06	12-0.87
8″	300	13.23	8.00	21.00	15.00	13.00	10.62	1.62	0.06	12-1.00
3"	600	7.60	3.00	14.00	8.25	6.62	5.00	1.25	0.25	8-0.87
4"	600	10.08	4.00	17.00	10.75	8.50	6.19	1.50	0.25	8-1.00
6"	600	12.68	6.00	22.00	14.00	11.50	8.50	1.88	0.25	12-1.13
8"	600	15.24	8.00	26.00	16.50	13.75	10.62	2.19	0.25	12-1.25

Dimensions

Dixon 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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