

B13 - Flanged heavy duty ball valve 1/2" - 6"

Description

Ball valve ANSI 150 with flanged ends and two-piece body, full bore. Mounting flange for actuators according to ISO 5211. Antistatic and fire safe execution.

Product features

- Flange connection 1/2" - 6" flanges ANSI/ASME B16.5
- Face to face dimension 1/2" - 6" ANSI/ASME B16.10
- Design According to API 6D-1745
- Testing According to API 598, API 6D
- Max. working pressure 580 psi
- Temperature range -58°F ÷ 392°F, versions for lower or higher temperatures on request
- Fire Safe execution According to BS 6755-2 and ISO 10497
- Fugitive emission According to ISO 15848-1



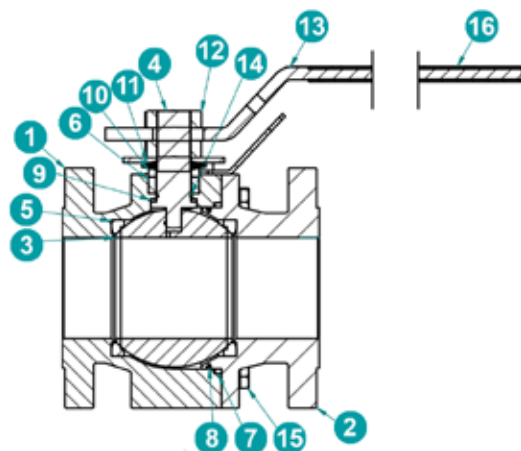
The ball valves B13 meet the safety requirements of the pressure Equipments Directive 2014/68/EU (PED) appendix 1 for fluids of the groups 1 and 2.

- ATEX Certified according to ATEX 2014/34/EU

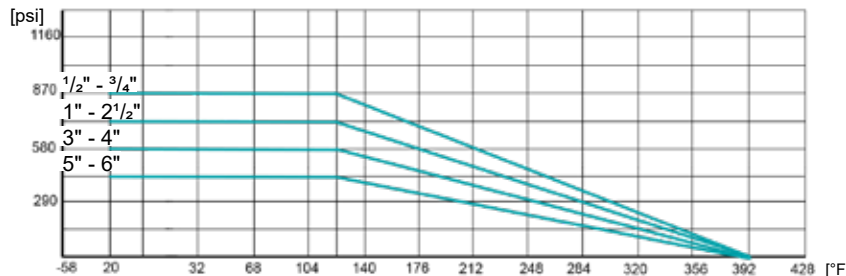


Construction

1	Two-piece body	AISI 316 / A105N
2	Bonnet	AISI 316 / A105N
3	Ball	AISI 316L
4	Stem	AISI 316L
5	Ball seat	PTFE
6	Steam seal	PTFE
7	Body seal	PTFE
8	O-ring	FVMQ
9	Washer	PTFE
10	Gland ring	AISI 316
11	Conical spring washer	AISI 316
12	Nut	AISI 316
13	Handle	AISI 316
14	O-ring	FVMQ
15	Bolt DIN 933	A4-70
16	Handle cover	PVC



Pressure / temperature diagram



For temperatures >212°F a mounting bracket with adapter is mounted between ball valve and actuator.



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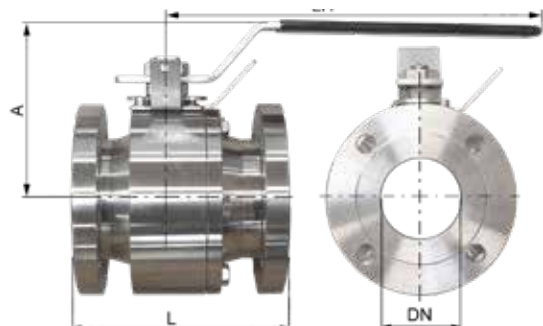
Type code

B13	22	F	A	. 025	. SS	T	-	..
1	2	3	4	5	6	7	8	

1 Type	B13	Ball valve flanged type with ISO top flange	
2 Construction	22	2/2 ways, two-piece body	
3 Bore	F	Full bore	
4 Face to face dimension	A	ANSI B16.10	
5 Size	015-150	DN 15-150 (1/2" - 6")	
6 Materials body / ball	C	Body carbon steel	ASTM A150N
	S	Body stainless steel	AISI 316
	S	Ball stainless steel	AISI 316L
7 Materials seat ring	T	Seat ring	PTFE
8 Special executions	+MP	Bracket + coupling (AISI 316)	

Other materials on request

Dimensions



B1322FA face to face dim. DN 15-150 ANSI B16.10

	DN	Size	L	A	LH	F	ØG	ISO 5211	Torques [lb-in]	[lb]
									ANSI 150	
B1322FA.015.SST	15	1/2"	4.25	3.43	6.3	0.31	0.47	F03	62	8.6
B1322FA.020.SST	20	3/4"	4.61	3.7	6.3	0.31	0.47	F03	106.2	9.3
B1322FA.025.SST	25	1"	5	4.17	6.89	0.39	0.63	F04	168.2	12.8
B1322FA.032.SST	32	1 1/4"	5.51	4.57	8.27	0.39	0.63	F04	185.9	18.3
B1322FA.040.SST	40	1 1/2"	6.5	4.72	8.27	0.39	0.63	F05	336.3	23.8
B1322FA.050.SST	50	2"	7.01	5.79	10.83	0.55	0.87	F05	433.7	33.3
B1322FA.065.SST	65	2 1/2"	7.48	6.38	10.83	0.55	0.87	F07	796.6	51.8
B1322FA.080.SST	80	3"	7.99	7.01	14.57	0.75	1.06	F07	973.6	63.9
B1322FA.100.SST	100	4"	9.02	7.56	14.57	0.75	1.06	F10	1451.5	91.7
B1322FA.150.SST	150	6"	15.51	11.3	27.56	1.18	1.65	F12	3584.5	251.3



B1322FA with ISO 5211 bracket

	DN	Size	X _{min}	Y	H1	H	ØZ	ISO 5211
B1322FA.015.SST	15	1/2"	0.39	1.57	1.38	2.95	0.35x0.35	F03
B1322FA.020.SST	20	3/4"	0.39	1.57	1.61	3.19	0.35x0.35	F03
B1322FA.025.SST	25	1"	0.47	2.36	1.97	4.33	0.43x0.43	F04
B1322FA.032.SST	32	1 1/4"	0.47	2.36	2.13	4.49	0.43x0.43	F04
B1322FA.040.SST	40	1 1/2"	0.63	2.36	2.32	4.69	0.55x0.55	F05
B1322FA.050.SST	50	2"	0.63	2.36	2.83	5.2	0.55x0.55	F05
B1322FA.065.SST	65	2 1/2"	0.75	2.36	3.39	5.75	0.67x0.67	F07
B1322FA.080.SST	80	3"	0.75	2.36	3.5	5.87	0.67x0.67	F07
B1322FA.100.SST	100	4"	0.94	2.36	4.13	6.5	0.87x0.87	F10
B1322FA.150.SST	150	6"	1.14	3.15	6.22	9.37	0.87x0.87	F12

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