

BVC21 - Compact ball valve DN 15-150

Description

Compact ball valve with full bore. Top flange for actuators according ISO 5211.

Product features

- Connection DN 15-50 Flanges PN 16/25/40
DN 65-150 Flanges PN 16
- Max. working pressure 40 bar
- Temperature range -10°C ÷ 160°C, Versions for lower temperatures on request

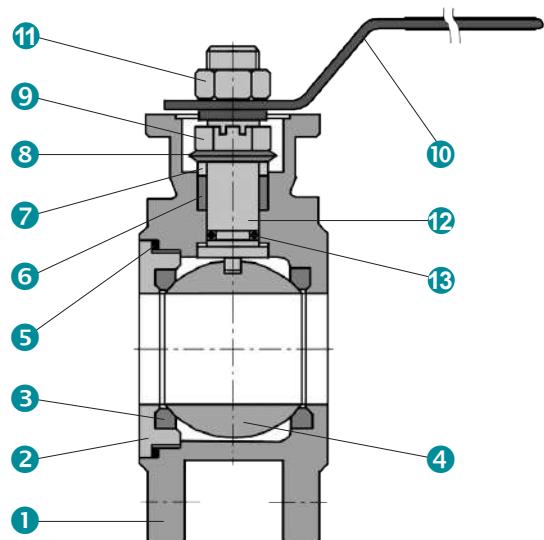


The ball valves BVC21 meet the safety requirements of the pressure Equipments Directive 2014/68/EU (PED) appendix 1 for fluids of the groups 1 and 2.

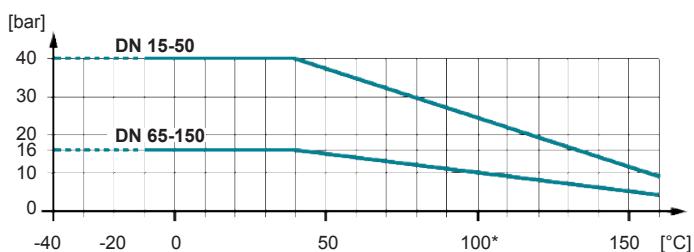


Construction

1	Body	Stainless steel 1.4408 (CF8M) or Cast steel GS-C25 (ASTM A216 WCB)
2	End cap	Stainless steel 1.4408 (CF8M)
3	Seat ring	PTFE
4	Ball	Stainless steel AISI 316 (1.4401)
5	Gasket	PTFE
6	Gland packing (self adjusting)	PTFE
7	Gland	Stainless steel AISI 304 (1.4301)
8	Disc washer	Spring steel
9	Gland nut + tab washer	Stainless steel AISI 304 (1.4301)
10	Handle lever	Stainless steel AISI 304 (1.4301)
11	Handle nut	Stainless steel AISI 304 (1.4301)
12	Blow out proof stem	Stainless steel AISI 316 (1.4401)
13	O-ring	Viton®



Pressure / temperature diagram



For temperatures >100°C a mounting bracket with adapter is mounted between ball valve and actuator.

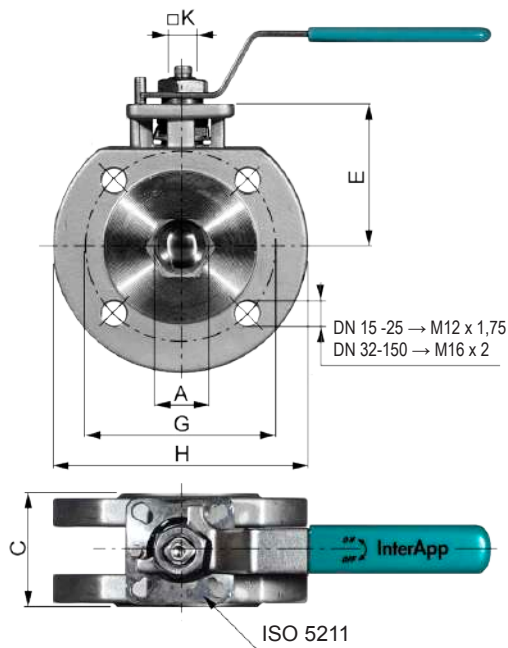
BVC21 - Compact ball valve DN 15-150

Type code

BVC	21	F	F	.	025	.	S	S	T
1	2	3	4		5		6	7	8

1	Type	BVC	Ball valve with top flange	
2	Construction	21	2/2 ways, one-piece body	
3	Bore	F	Full bore	
4	Connection	F	Flanged ends	
5	Size	015-150	DN 15-150	
6	Materials body	S	stainless steel	1.4408 (CF8M)
		C	cast steel	GS-C25 (ASTM A216 WCB)
7	Material ball	S	stainless steel	AISI 316 (1.4401)
8	Materials seat ring	T	Seat ring	PTFE

Dimensions



	DN	A	C	G	H	E	K	ISO 5211	kv[m³/h]	[kg]
BVC21FF.015.SST	15	15	40	65	95	60,0	9	F03+04	35	1,6
BVC21FF.020.SST	20	20	44	75	105	64,3	9	F03+04	46	2,1
BVC21FF.025.SST	25	25	53	85	115	64,6	11	F04+05	72	2,6
BVC21FF.032.SST	32	32	58,4	100	135	69,0	11	F04+05	105	3,6
BVC21FF.040.SST	40	38	62	110	145	76,3	14	F05+07	170	4,3
BVC21FF.050.SST	50	50	78	125	155	85,7	14	F05+07	275	6,0
BVC21FF.065.SST	65	65	100	145	185	105	17	F07	507	10,0
BVC21FF.080.SST	80	76	120	160	200	123	17	F07	905	14,1
BVC21FF.100.SST	100	96	152	180	220	132	17	F07+10	1414	20,6
BVC21FF.125.SST	125	114	180	210	250	157,5	27	F10+12	2362	25
BVC21FF.150.SST	150	135	215	240	285	172,5	27	F10+12	3674	35