

BVH23 - Ball valve (stainless steel, 3-piece body) 1/4" - 4"

Description

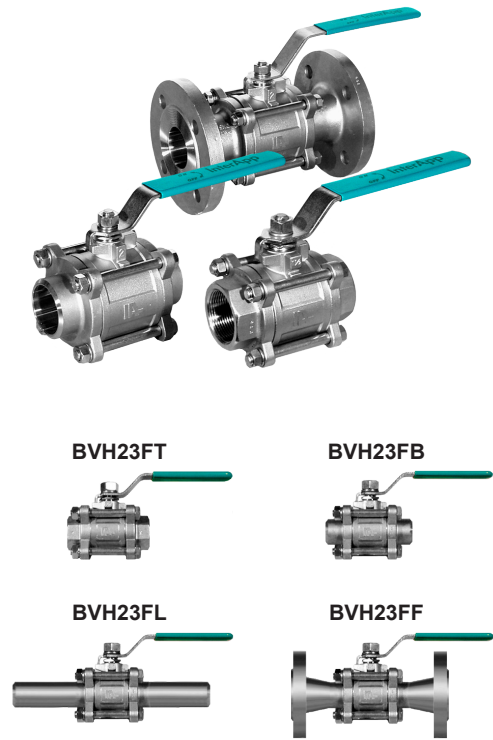
Stainless steel ball valve with 3-piece body, full bore with handlever

Product features

- Connection (Face to face dimension)
 - BVH23FT threaded ends DIN EN 10226-1 Rp 1/4" - 4" (DIN 3202-M3)
 - BVH23FB buttweld ends DN 10-100 (DIN 3202-S13)
 - BVH23FL buttweld ends long DN 15-100
 - BVH23FF flanged ends PN 40 DN 15-100 (DIN 3202-F1)
- Max. working pressure 63 bar (BVH23FF 40 bar)
- Temperature range -10°C ÷ 230°C, Versions for lower temperatures on request

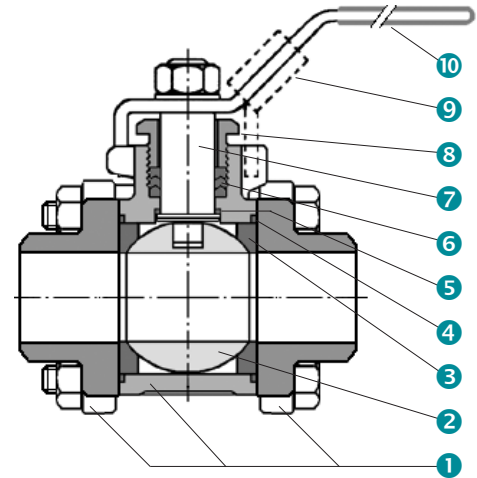


The ball valves BVH23 meet the safety requirements of the pressure Equipments Directive 2014/68/EU (PED) appendix 1 for fluids of the groups 1 and 2.

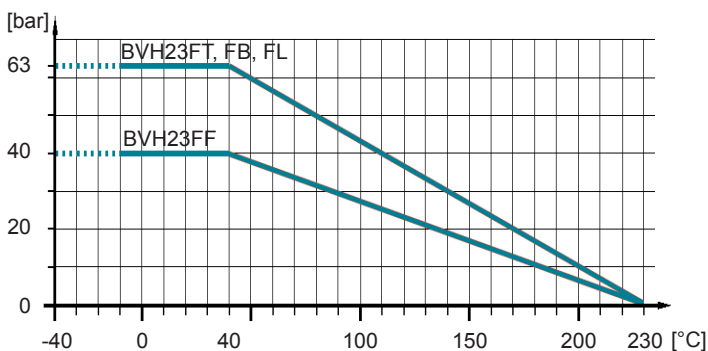


Construction

1	3-piece body	1.4408 (CF8M)
2	Ball	AISI 316 (1.4401)
3	Seat ring white (standard)	PTFE
	Seat ring black (for steam)	PTFE-C, 25% Carbon
4	Seal ring	PTFE
5	Washer	PTFE
6	Stem seal	PTFE
7	Stem	AISI 316 (1.4401)
8	Gland nut	AISI 304 (1.4301)
9	Locking pad (option)	AISI 304 (1.4301)
10	Handle cover by plastic	AISI 304 (1.4301)



Pressure / temperature diagram



For applications with steam:
 - use seat ring „S“ PTFE-C, 25% Carbon
 - $t_{max} = 160^{\circ}\text{C}$, $p_{max} = 6 \text{ bar}$

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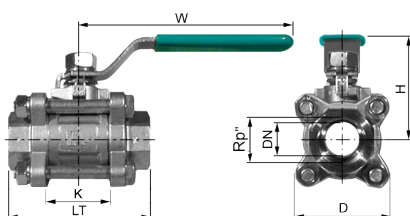
Type code

BVH	23	F	T	014	SS	T
①	②	③	④	⑤	⑥	⑦

① Type	BVH	Ball valve with handlever
② Construction	23	2/2 ways, 3-piece body
③ Bore	F	Full bore
④ Connection	T	Threaded ends DIN EN 10226-1 (DIN 2999)
	B	Buttweld ends ≈ according to DIN EN 12627
	L	Buttweld ends long ≈ according to DIN EN 12627
	F	Flanged ends PN40
⑤ Size	014-400	Rp 1/4" - 4"
	015-100	DN 15-100 (BVH23FF)
⑥ Materials body / ball	S	Body stainless steel 1.4408 (CF8M)
	S	Ball stainless steel AISI 316 (1.4401)
⑦ Materials seat ring	T	Seat ring white (standard) PTFE
	S	Seat ring grey (for steam tmax = 160°C, pmax = 5 bar) PTFE-C, 25% Carbon

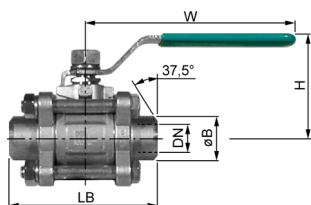
Dimensions

BVH23FT



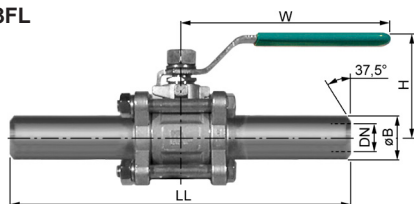
	Rp"	DN	LT	K	H	D	W	kv[m³/h]	kg
BVH23FT.014.SST	1/4	8	60	21	55	48.5	95	8,6	0,35
BVH23FT.038.SST	3/8	10	60	21	55	48.5	95	21	0,40
BVH23FT.012.SST	1/2	15	75	26	64	48.5	125	35	0,65
BVH23FT.034.SST	3/4	20	80	33	67	53.5	125	46	0,80
BVH23FT.100.SST	1	25	90	39	83	60.5	140	72	1,20
BVH23FT.114.SST	1 1/4	32	110	51	89	72	140	105	1,95
BVH23FT.112.SST	1 1/2	40	120	58	100	81.5	200	170	2,75
BVH23FT.200.SST	2	50	140	71	108	99.5	200	275	4,50
BVH23FT.212.SST	2 1/2	65	185	77	150	126	250	507	8,90
BVH23FT.300.SST	3	80	205	105	161	191	250	905	12,9
BVH23FT.400.SST	4	100	240	130	180	223	290	1414	22,5

BVH23FB



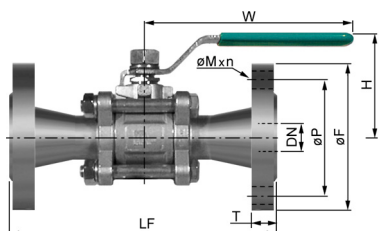
	Rp"	DN	øB	LB	H	W	kv[m³/h]	kg
BVH23FB.014.SST	1/4	8	20	70	55	95	8,6	0,35
BVH23FB.038.SST	3/8	10	20	70	55	95	21	0,40
BVH23FB.012.SST	1/2	15	23	75	64	125	35	0,65
BVH23FB.034.SST	3/4	20	28	90	67	125	46	0,80
BVH23FB.100.SST	1	25	34	100	83	140	72	1,20
BVH23FB.114.SST	1 1/4	32	41	110	89	140	105	1,95
BVH23FB.112.SST	1 1/2	40	49	125	100	200	170	2,75
BVH23FB.200.SST	2	50	62	150	108	200	275	4,50
BVH23FB.212.SST	2 1/2	65	78	190	150	250	507	8,90
BVH23FB.300.SST	3	80	94	220	161	250	905	12,9
BVH23FB.400.SST	4	100	125	270	180	290	1414	22,5

BVH23FL



	Rp"	DN	øB	LL	H	W	kv[m³/h]	kg
BVH23FL.012.SST	1/2	15	23	225	64	125	35	0,72
BVH23FL.034.SST	3/4	20	28	225	67	125	46	0,88
BVH23FL.100.SST	1	25	34	245	83	140	72	1,32
BVH23FL.114.SST	1 1/4	32	41	255	89	140	105	2,15
BVH23FL.112.SST	1 1/2	40	49	260	100	200	170	3,03
BVH23FL.200.SST	2	50	62	275	108	200	275	4,95
BVH23FL.212.SST	2 1/2	65	78	335	150	250	507	9,79
BVH23FL.300.SST	3	80	94	355	161	250	905	14,2
BVH23FL.400.SST	4	100	125	365	180	290	1414	24,8

BVH23FF



	DN	øF	øP	T	øMxn	LF	H	W	kv[m³/h]	kg
BVH23FF.015.SST	15	95	65	16	14x4	130	64	125	35	2,45
BVH23FF.020.SST	20	105	75	18	14x4	150	67	125	46	3,50
BVH23FF.025.SST	25	115	85	18	14x4	160	83	140	72	4,70
BVH23FF.032.SST	32	140	100	18	18x4	180	89	140	105	5,90
BVH23FF.040.SST	40	150	110	18	18x4	200	100	200	170	7,80
BVH23FF.050.SST	50	165	125	20	18x4	230	108	200	275	11,3
BVH23FF.065.SST	65	185	145	22	18x8	290	150	250	507	16,9
BVH23FF.080.SST	80	200	160	24	18x8	310	161	250	905	23,9
BVH23FF.100.SST	100	235	190	24	22x8	350	180	290	1414	34,9