

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

Description

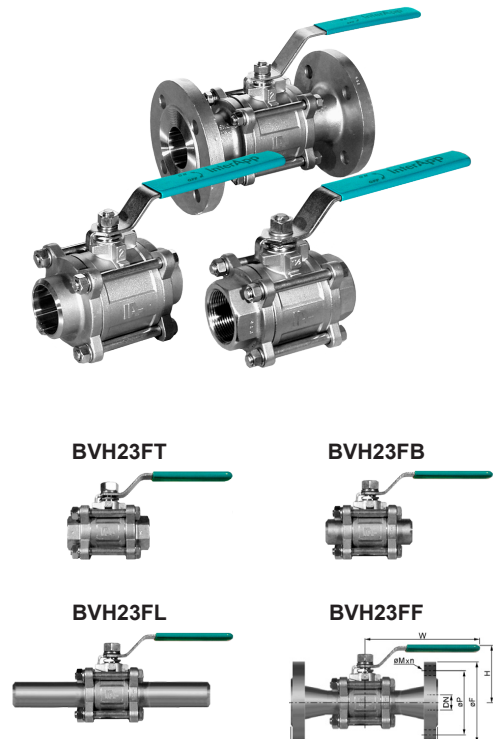
Stainless steel ball valve with 3-piece body, full bore with handlever

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

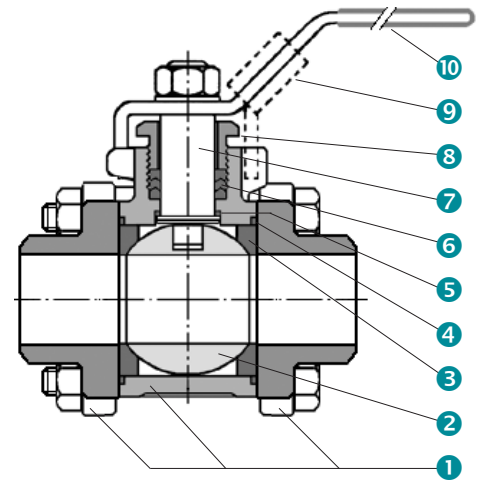


The ball valves BVH23 meet the safety requirements of the pressure Equipments Directive 2014/68/EU (PED) appendix 1 for fluids of the groups 1 and 2.

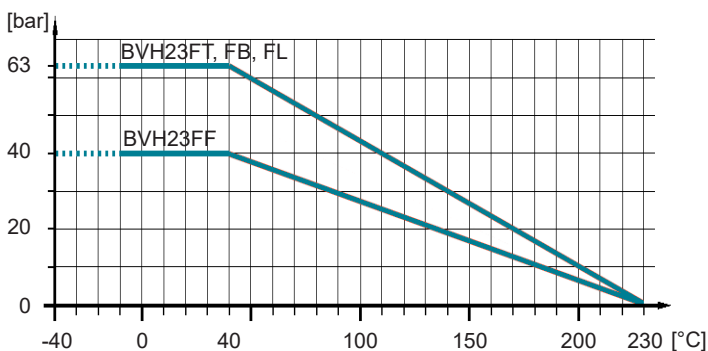


Construction

1	3-piece body	1.4408
2	Ball	1.4408
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	1.4401
8	Gland nut	1.4301
9	Locking pad (option)	1.4301
10	Handle cover by plastic	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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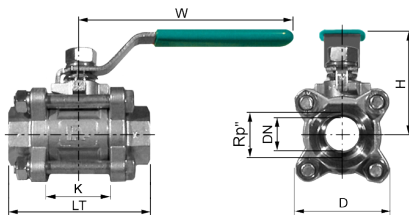
Type code

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
	S	Ball stainless steel 1.4408
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

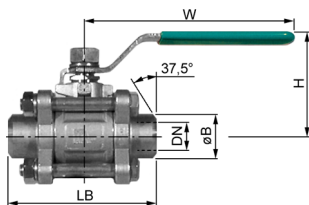
Dimensions

BVH23FT



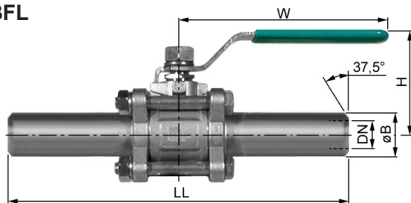
	Rp"	DN	LT	K	H	D	W	kv[m³/h]	kg
BVH23FT.014.SST	1/4	8	60	21	55	48.5	97.5	8.6	0.40
BVH23FT.038.SST	3/8	10	60	21	55	48.5	97.5	21	0.40
BVH23FT.012.SST	1/2	15	75	26	64	48.5	125.5	35	0.65
BVH23FT.034.SST	3/4	20	80	33	67	53.5	125.5	46	0.85
BVH23FT.100.SST	1	25	90	39	83	60.5	143.5	72	1.25
BVH23FT.114.SST	1 1/4	32	110	51	89	72	143.5	105	2.00
BVH23FT.112.SST	1 1/2	40	120	58	100	81.5	203.5	170	2.80
BVH23FT.200.SST	2	50	140	71	108	99.5	203.5	275	4.50
BVH23FT.212.SST	2 1/2	65	185	77	150	126	251.5	507	9.05
BVH23FT.300.SST	3	80	205	105	161	191	251.5	905	14.15
BVH23FT.400.SST	4	100	240	130	180	223	291.5	1414	21.70

BVH23FB



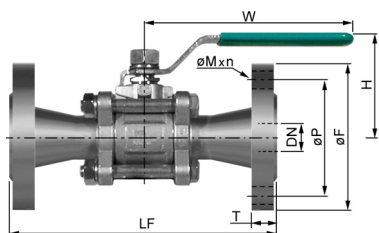
	Rp"	DN	øB	LB	H	W	kv[m³/h]	kg
BVH23FB.014.SST	1/4	8	18	65	55	97.5	8.6	0.40
BVH23FB.038.SST	3/8	10	20	70	55	97.5	21	0.40
BVH23FB.012.SST	1/2	15	23	75	64	125.5	35	0.60
BVH23FB.034.SST	3/4	20	28	90	67	125.5	46	0.90
BVH23FB.100.SST	1	25	34	100	83	143.5	72	1.30
BVH23FB.114.SST	1 1/4	32	41	110	89	143.5	105	2.00
BVH23FB.112.SST	1 1/2	40	49	125	100	203.5	170	2.80
BVH23FB.200.SST	2	50	62	150	108	203.5	275	4.40
BVH23FB.212.SST	2 1/2	65	78	190	150	251.5	507	8.90
BVH23FB.300.SST	3	80	93	220	161	251.5	905	13.80
BVH23FB.400.SST	4	100	125	270	180	291.5	1414	22.50

BVH23FL



	Rp"	DN	øB	LL	H	W	kv[m³/h]	kg
BVH23FL.012.SST	1/2	15	23	225	64	125	35	0.68
BVH23FL.034.SST	3/4	20	28	225	67	125	46	0.98
BVH23FL.100.SST	1	25	34	245	80	140	72	1.42
BVH23FL.114.SST	1 1/4	32	41	255	89	140	105	2.20
BVH23FL.112.SST	1 1/2	40	49	260	95	200	170	3.08
BVH23FL.200.SST	2	50	62	275	108	200	275	4.85
BVH23FL.212.SST	2 1/2	65	78	335	145	250	507	9.79
BVH23FL.300.SST	3	80	94	355	155	250	905	15.10
BVH23FL.400.SST	4	100	124	360	185	290	1414	24.80

BVH23FF



	DN	øF	øP	T	øMxn	LF	H	W	kv[m³/h]	kg
BVH23FF.015.SST	15	95	65	18	14x4	130	64	125	35	2.20
BVH23FF.020.SST	20	105	75	20	14x4	150	67	125	46	3.00
BVH23FF.025.SST	25	115	85	20	14x4	160	80	140	72	3.80
BVH23FF.032.SST	32	140	100	20	18x4	180	89	140	105	5.60
BVH23FF.040.SST	40	150	110	21	18x4	200	95	200	170	7.00
BVH23FF.050.SST	50	165	125	23	18x4	230	108	200	275	10.10
BVH23FF.065.SST	65	185	145	25	18x8	290	145	250	507	16.60
BVH23FF.080.SST	80	200	160	27	18x8	310	155	250	905	23.70
BVH23FF.100.SST	100	235	190	27	22x8	350	185	290	1414	34.70