

Valvault - High performance ball valve

H-8100S - THREE-PIECE BALL VALVE

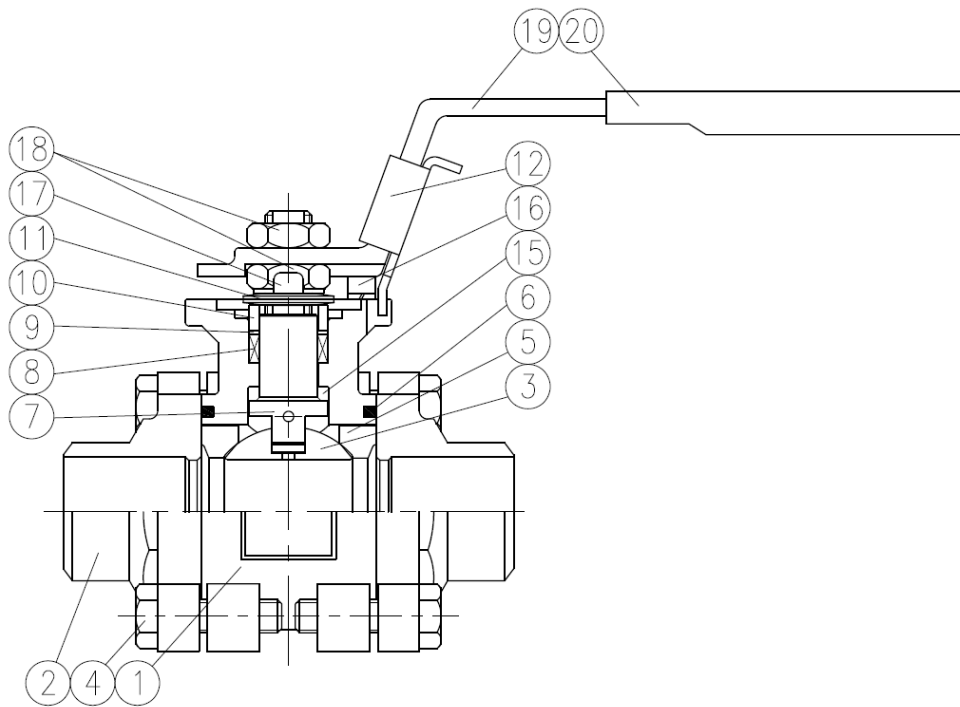
MATERIALS OF CONSTRUCTION

No.	Part name	Material	Quantity
1	Body	CF8M / WCB, 1.4408 / 1.0619	1
2	Cap	CF8M / WCB, 1.4408 / 1.0619	2*
3	Ball	ASTM A351 Gr. CF8M	1
4	Bolt	A2-70	8-12
5	Ball seat	RPTFE	2
6	Body gasket	PTFE	2
7	Anti-static stem	A276 Type 316	1
8	Stem packing	PTFE	1Set
9	Thrust washer	50% SS powder / 50% PTFE	1
10	Gland	304SS	1
11	Belleville disc spring	Stainless steel	2
12	Locking trigger	Stainless steel	1
15	Stem seal	TFM1600	1
16	Stop bolt	Stainless steel	1
17	Lock saddle	Stainless steel	1
18	Stem nut	304SS	2
19	Handle	304SS	1
20	Handle sleeve	Vinyl	1

* Stainless steel welded connectors are CF3M/1.4409

FEATURES

- Complies with TA – Luft fugitive emission requirements
- ISO 15848-1 CO3 qualified
- Blow-out proof stem
- SO 5211 mounting plate
- Anti-static design
- Size range DN 8 – 80 (NPS 1/4 – 3)
– Reduced bore DN 15 to DN 100 (NPS 1/2 – 4)
- End connections: Screwed, butt weld, socket weld and flange end



Valvaut - High performance ball valve

H-8100S - THREE-PIECE BALL VALVE

FULL BORE DIMENSIONS (mm)

NPS	DN	Ød	A	B	G	ØP	ØF	W	H1±1	L1	L4	M	ØN2	ØN3	t	Wt (kg)
¼	8	11.2	12.2	5.6	5.0	36	8.0	M5	67.0	66.6	21.2	115	14.1	9.2	0.5	0.62
⅜	10	12.7	12.2	5.6	5.0	36	8.0	M5	67.0	66.6	21.2	115	17.5	12.5	0.5	0.62
½	15	15.0	15.5	9.8	6.3	42	9.7	M5	85.0	71.6	25.2	135	22.4	15.8	0.5	0.88
¾	20	20.0	20.0	12.5	6.3	42	9.7	M5	89.0	96.6	32.3	135	27.4	21.0	0.5	1.40
1	25	25.0	22.0	14.0	8.0	50	11.2	M6	99.0	109.0	42.3	165	34.2	26.6	0.5	1.96
1-1/4	32	31.8	22.0	14.1	8.0	50	11.2	M6	102.0	117.0	49.4	165	43.0	35.1	0.5	2.72
1-1/2	40	38.1	25.6	15.6	9.5	70	16.0	M8	118.0	129.0	57.2	200	49.0	40.9	0.5	4.04
2	50	50.8	23.6	14.7	9.5	70	16.0	M8	126.5	142.0	71.4	200	61.1	52.5	1.0	6.56
2-1/2	65	65.0	42.5	25.0	17.0	102	22.3	M10	166.5	174.0	89.0	250	77.1	68.9	1.0	-
3	80	76.0	36.0	25.4	17.0	102	22.3	M10	176.5	193.0	108.5	250	90.2	77.9	1.6	-

ØN1: refer to thread options: NPT, BSPT, BSPP

REDUCED BORE DIMENSIONS (mm)

NPS	DN	Ød	A	B	G	ØP	F	W	H1±1	L1	L4	M	ØN2	ØN3	t
½	15	12.7	12.2	5.6	5.0	36	8.0	M5	67.0	66.6	21.2	115	22.4	15.8	0.5
¾	20	15.0	15.5	9.8	6.3	42	9.7	M5	85.0	71.6	25.2	135	27.4	21.0	0.5
1	25	20.0	20.0	12.5	6.3	42	9.7	M5	89.0	96.6	32.3	135	34.2	26.6	0.5
1-1/4	32	25.0	22.0	14.0	8.0	50	11.2	M6	99.0	109.0	42.3	165	43.0	35.1	0.5
1-1/2	40	31.8	22.0	14.1	8.0	50	11.2	M6	102.0	117.0	49.4	165	49.0	40.9	0.5
2	50	38.1	25.6	15.6	9.5	70	16.0	M8	118.5	129.0	57.2	200	61.1	52.5	1.0
2-1/2	65	50.8	23.6	14.7	9.5	70	16.0	M8	126.5	142.0	71.4	200	77.1	68.9	1.0
3	80	65.0	42.5	25.0	17.0	102	22.3	M10	166.5	174.0	89.0	250	90.2	77.9	1.6
4	100	76.0	36.0	25.4	17.0	102	22.3	M10	176.5	193.0	108.5	250	115.1	105.2	1.6

ØN1: refer to thread options: NPT, BSPT, BSPP

