

ISO Top 2pc Threaded Ball Valves

Series B25

GENERAL INFORMATION

Series B25 ISO top 2pc threaded ball valve is full bore designed and suitable for shutoff of various medium without much dirt such as air, gas, water, oil and liquids.

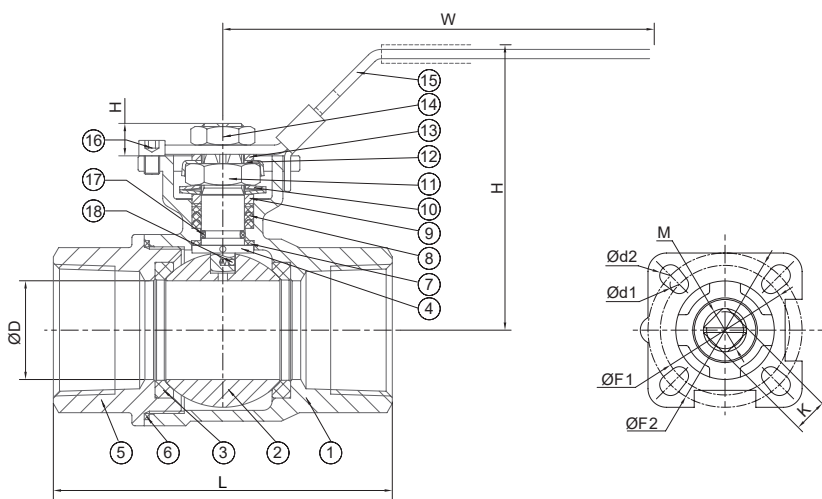
FEATURES

- 2 piece compact design of body
- Full bore for better Kv/Cv
- Investment stainless steel casting with meticulous surface
- Blow-out-proof stem
- Both pure PTFE and 25% carbon fiber reinforced RPTFE seat available
- Pressure relief hole in ball slot
- ISO5211 direct mounting pad for easy automation
- Anti-static devices for ball-stem-body



TECHNICAL DATA

Connection	Threaded BSPP, Alternative NPT, BSPT		
Nominal diameter	1/2"-3"		
Pressure rating	PN63		
Face to face	DIN3202 M3		
Temperature range	-20°C to +200°C		
Operation	Hand lever, pneumatic actuator, electric actuator		



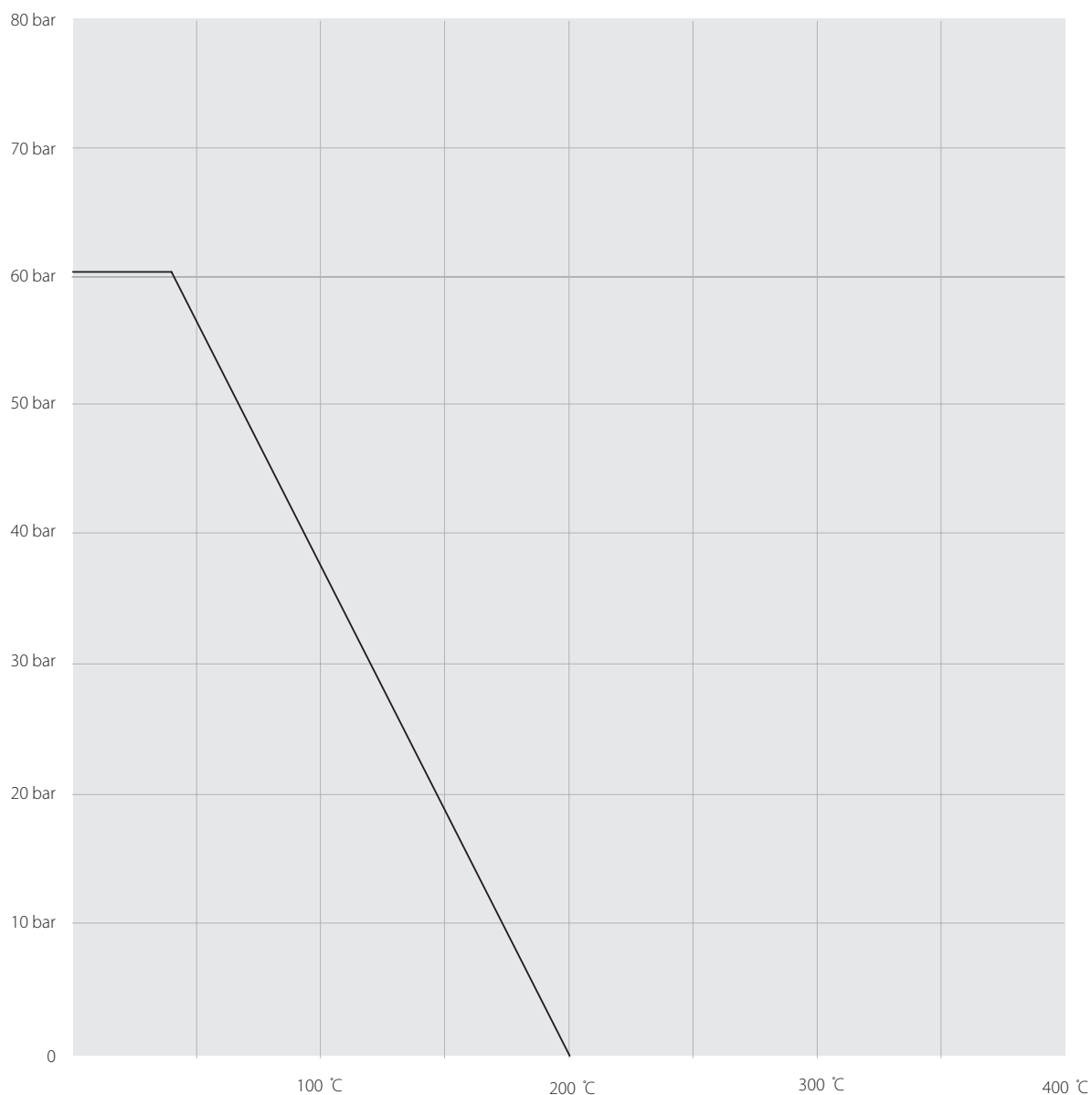
PARTS LIST AND MATERIAL SPECIFICATION

No.	Part name	Material		
1	Body	CF8M	CF8M	WCB
2	Ball	SS316L	SS316L	SS304
3	Seat	PTFE,RPTFE		
4	Stem	SS316L	SS304	SS304
5	Cap	CF8M	CF8	WCB
6	Body gasket	PTFE		
7	Thrust washer	PTFE,RPTFE		
8	Stem packing	PTFE,RPTFE		
9	Gland	SS304		
10	Belleville washer	SS304		
11	Nut	SS304		
12	Stop lock cap	SS304		
13	Washer	SS304		
14	Nut	SS304		
15	Handlever	SS304		
16	Stop bolt	SS304		
17	O ring	FPM		
18	Anti-static device	SS304		

DIMENSIONS (mm)

SIZE		d	H	L	W	Mounting flange					Stem			WT (kg)
DN	INCH					ISO5211	F1	d1	F2	d2	K	h	M	
15	1/2"	15	74	75	110	F03+F04	36	3	42	3	9	10	M12	0.6
20	3/4"	20	88	80	120	F03+F04	36	3	42	3	9	10	M12	0.7
25	1"	25	88	90	130	F04+F05	42	3	50	3.5	11	12	M14	1.1
32	1 1/4"	32	92	110	140	F04+F05	42	3	50	3.5	11	12	M14	1.6
40	1 1/2"	38	107	120	175	F05+F07	50	3.5	70	4.5	14	15	M18	2.4
50	2"	49	115	140	175	F05+F07	50	3.5	70	4.5	14	15	M18	3.7
65	2 1/2"	64	120	185	220	F05+F07	50	3.5	70	4.5	14	15	M18	7.6
80	3"	76	132	205	270	F07+F10	70	4.5	102	5.5	17	18	M22	12.8

TEMPERATURE-PRESSURE DIAGRAM



Kv AND VALVE SIZING

SIZE	DN	15	20	25	32	40	50	65	80
	INCH	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
Kv	m ³ /h at 1bar ΔP	15	35	65	110	180	240	300	480
Valve torque	NM	7	9	13	19	29	38	59	91
Pneumatic actuator sizing- 6bar air	Double acting	32	40	40	50	65	65	75	85
	Spring return	50 S12	65 S10	65 S10	75 S12	85 S12	85 S12	110 S12	125 S12