



Threaded 3 Way Ball Valve Series B80

GENERAL INFORMATION

Series B80 threaded 3 way ball valve can be an economical option for flow patterns that normally require multiple 2-way valves. Available in L port or T port options, this valve is excellent for diverting flow within control loop processes.

FEATURES

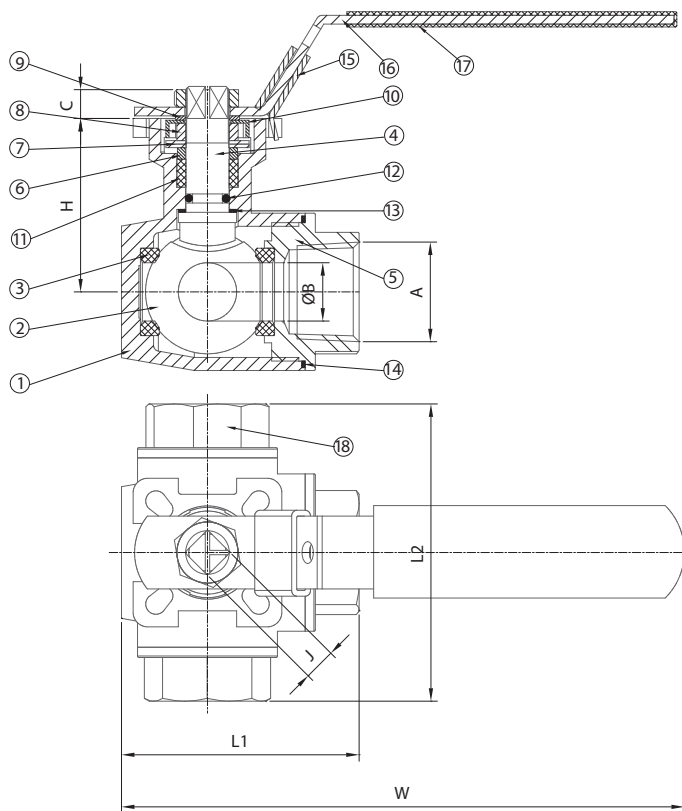
- ISO 5211 mounting pad optimizes quick and easy automation
- Regular port design
- Blowout proof stem
- L port T port options available
- Lockable hand-lever
- Both PTFE and RPTFE with 25% carbon fiber seats available

TECHNICAL DATA

Design standard	EN1983
Connection	Threaded BSPP,NPT,BSPT
Nominal diameter	DN15-DN50,1/2"-2"
Pressure rating	PN63
Temperature range	-20°C to +200°C
Operation	Lever, Pneumatic actuator, Electric actuator

PARTS LIST AND MATERIAL SPECIFICATION

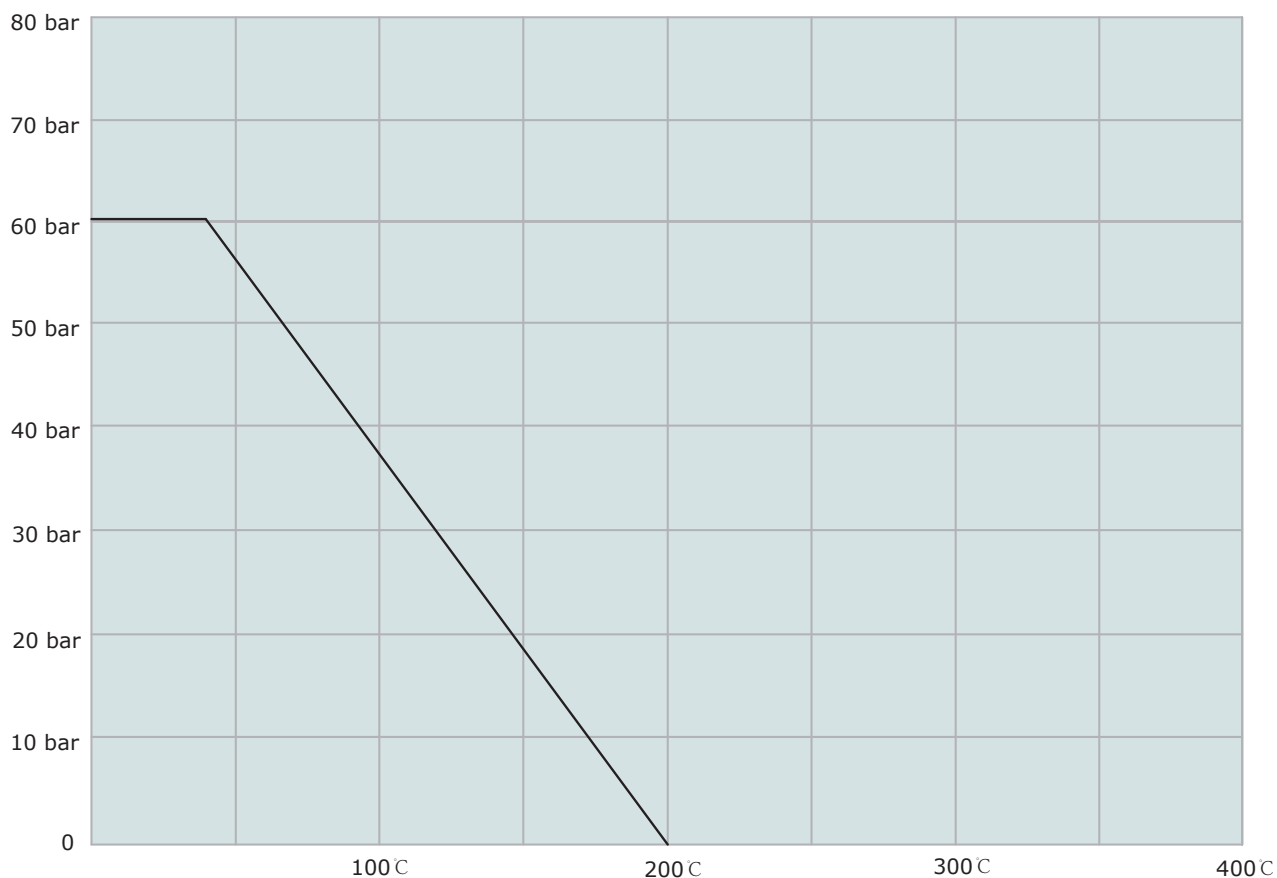
No.	Part name	Material
1	Body	CF8M
2	Ball	SS316
3	Seat	PTFE, RPTFE
4	Stem	SS316
5	Cap	CF8M
6	Washer	SS304
7	Belleville washer	SS304
8	Gland nut	SS304
9	Washer	SS304
10	Lock washer	SS304
11	Packing	PTFE, RPTFE
12	O-ring	FPM
13	Thrust washer	PTFE, RPTFE
14	Gasket	PTFE, RPTFE
15	Handle lock	SS304
16	Handle	SS304
17	Handle sleeve	PVC
18	Cap	CF8M



DIMENSIONS (mm)

SIZE		A	B	C	H	J	L1	L2	W	ISO 5211	WT (kg)
DN	INCH										
15	1/2"	1/2"	12.5	9	42	9	64	79	163	F03+F04	0.7
20	3/4"	3/4"	16	9	49	9	68	83	165	F03+F04	1
25	1"	1"	20	11	59.5	11	82	104	190	F04+F05	1.7
32	1 1/4"	1 1/4"	25	11	63	11	90	111	195	F04+F05	2.4
40	1 1/2"	1 1/2"	32	14	73.5	14	106	126	227	F05+F07	3.4
50	2"	2"	38	14	82.8	14	123	147	235	F05+F07	5.5

TEMPERATURE-PRESSURE DIAGRAM



Kv AND VALVE TORQUE

SIZE	DN	15	20	25	32	40	50
	INCH	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Kv (m³/h at 1bar ΔP)	L port	5	11	18	27	41	81
	T port	4	9	14	22	33	65
Valve torque (NM)	ΔP=10bar	8	12	18	23	32	44