



# Three Piece Butt Weld Ball Valve, ISO 5211 Direct Mounting, PN 63/40, V Port, 90 degree

**Fig no. VF-158B**  
**1/2" - 4" (DN15- DN100)**



**Features:**

- Investment Casting Component
- Blow out proof stem , ISO 5211 direct mounting type
- In-line Maintenance
- For flow and steam control
- Carbon steel or Supper alloy upon request

**Standard Compliance :**

- Body wall thickness : EN 12516-1/2/3
- Butt weld end : B 16.25
- Face to face : MD's standard
- Body material : EN 1503-1
- Pressure testing : EN 12266

**Specification :**

- End Connection : Butt weld end
- Working pressure : 63 bar ( CWP ) for DN 15- 50  
 40 bar ( CWP ) for DN 65-100
- Temperature : -20 to 180°C

**Option :**

- F to F length : DIN 3202 S13

**MATERIALS LIST**

NO.	PART NAME	MATERIAL
1	BODY	1.4408/ EN1503-1
4	BALL	ASTM A351 Gr.CF8M
5	STEM	SS316
9	END CAP	1.4408/ EN1503-1
12	SEAT	50%SS+50%PTFE.
13	THRUST WASHER	RTFE.
14	STEM PACKING	RTFE.
15	GLAND BUSH	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
22	STEM NUT	SS304
24	HANDLE NUT	SS304
28	LOCKING PAD	SS304
29	BELLEVILLE WASHER	SS304-CSP
30	TAB WASHER	SS304
31	O-RING	VITON
32	PACKING FOLLWER	PTFE.+25%GF
35	BODY BOLT	SS304
36	BOLT WASHER	SS304
37	BOLT NUT	SS304

**DIMENSIONS**

unit:mm

SIZE	PORT	ØD	L	E	H	H1	H4	C	ØK	ØK1	Z-4	Z1-4	BW	
DN8	1/4"	11.0	11.0	63.5	112.0	73.0	8.5	37.0	9.0	50.0	36.0	7.0	6.0	13.7
DN10	3/8"	12.5	12.5	63.5	112.0	73.0	8.5	37.0	9.0	50.0	36.0	7.0	6.0	17.1
DN15	1/2"	15.0	15.8	63.5	112.0	73.0	8.5	37.0	9.0	50.0	36.0	7.0	6.0	21.3
DN20	3/4"	20.0	20.9	72.5	112.0	80.8	8.5	45.0	9.0	50.0	36.0	7.0	6.0	26.7
DN25	1"	25.0	26.6	81.0	136.0	90.5	9.5	53.5	9.0	50.0	36.0	7.0	6.0	33.4
DN32	1-1/4"	32.0	35.1	94.5	185.0	98.7	9.5	59.0	9.0	50.0	36.0	7.0	6.0	42.2
DN40	1-1/2"	38.1	40.9	108.0	197.9	115.3	14.0	74.8	14.0	70.0	50.0	9.0	7.0	48.3
DN50	2"	50.0	52.5	121.5	197.9	124.0	13.7	83.5	14.0	70.0	50.0	9.0	7.0	60.3
DN65	2-1/2"	62.7	62.7	157.5	267.0	155.0	18.0	108.8	17.0	102.0	70.0	11.0	9.0	73.0
DN80	3"	77.9	77.9	190.0	267.0	208.5	18.0	118.3	17.0	102.0	70.0	11.0	9.0	88.9
DN100	4"	100.0	102.3	225.0	322.0	216.7	18.0	153.8	17.0	102.0	70.0	11.0	9.0	114.3

