



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

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 | ASTM A351 Gr.CF8M |
| 4 | BALL | ASTM A351 Gr.CF8M |
| 5 | STEM | SS316 |
| 9 | END CAP | ASTM A351 Gr.CF8M |
| 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 |

DIMENSION

Unit : mm

| SIZE | PORT | ØD | L | E | H | H1 | H4 | C | ØK | ØK1 | Z-4 | Z1-4 | BW | |
|-------|--------|-------|-------|-------|-------|-------|------|-------|------|-------|------|------|-----|-------|
| 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 | 11.4 | 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 | 11.4 | 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 |

