

**Fig NO. VF-51**

**1" ~ 6" DN25 ~ DN 150**



**Feature :**

Investment Casting Component  
ISO 5211 mounting Flange  
Blow-out-proof stem, Anti-Static Design  
For Flow & Steam control  
Carbon steel or Super Alloy upon request

**Standard Compliance:**

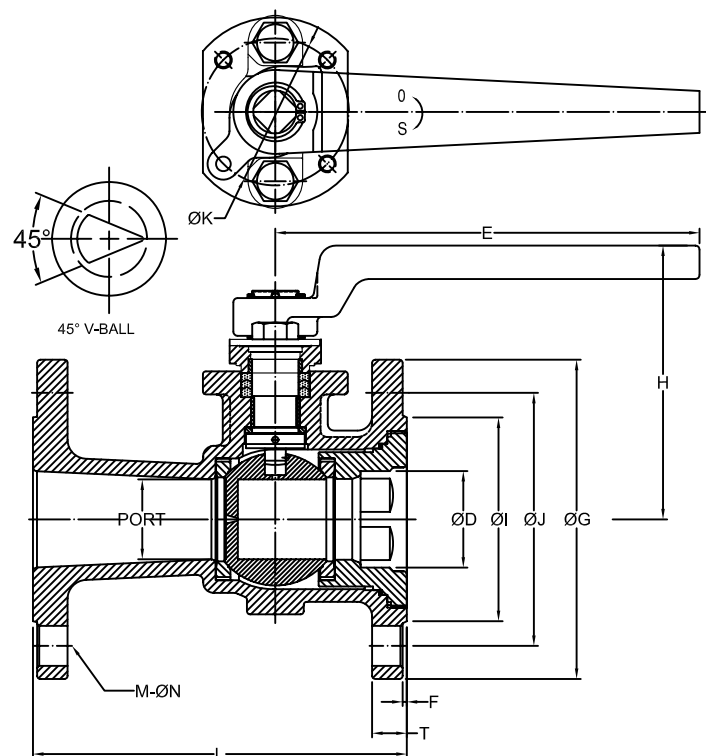
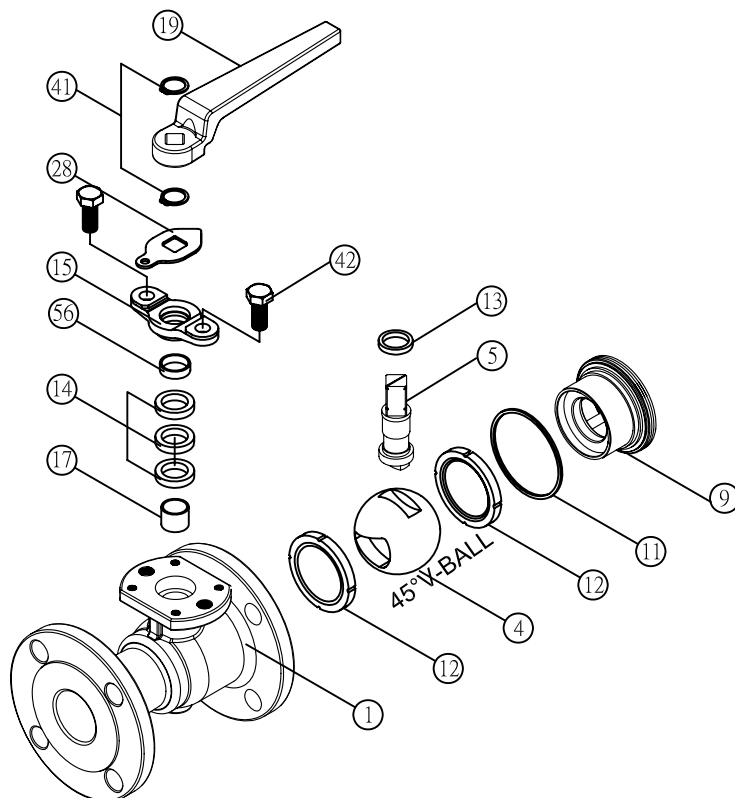
Body wall thickness : B16.34  
Face to Face : ANSI B16.10 Class 150  
Flange Dimension : ANSI B16.5 Class 150  
Finish : 125- 250 AARH  
Body Material : ASME A351  
Pressure testing : EN12266

**Standard Compliance:**

End connection : Flange RF  
Working pressure : 275 psi ( CWP )  
Temperature : -20 ~ 220 °C

**MATERIALS LIST**

| NO. | PART NAME     | MATERIAL          |
|-----|---------------|-------------------|
| 1   | BODY          | ASTM A351 Gr.CF8M |
| 4   | BALL          | ASTM A351 Gr.CF8M |
| 5   | STEM          | SS316             |
| 9   | INSERT        | ASTM A351 Gr.CF8M |
| 11  | BODY SEAL     | PTFE.             |
| 12  | SEAT          | 50%SS+50%PTFE.    |
| 13  | THRUST WASHER | PTFE.             |
| 14  | STEM PACKING  | PTFE.             |
| 15  | GLAND         | SS304             |
| 17  | GLAND PACKING | SS304             |
| 19  | HANDLE        | FCD45             |
| 28  | STOP PLATE    | SS304             |
| 41  | SNAP RING     | SS304             |
| 42  | GLAND BOLT    | SS304             |
| 56  | BEARING       | PTFE.             |



**DIMENSIONS**

| SIZE  | PORT   | L     | E     | H     | ØG    | ØJ    | ØI    | T     | F    | M   | ØN | ØK   | ØD    |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|------|-----|----|------|-------|
| DN25  | 1"     | 20.0  | 127.0 | 130.8 | 80.2  | 108.0 | 79.5  | 51.0  | 12.0 | 2.0 | 4  | 16.0 | 25.0  |
| DN40  | 1-1/2" | 32.5  | 165.0 | 163.0 | 99.0  | 127.0 | 98.5  | 73.0  | 14.8 | 2.0 | 4  | 16.0 | 38.0  |
| DN50  | 2"     | 38.0  | 178.0 | 202.0 | 130.4 | 152.0 | 120.5 | 97.0  | 16.5 | 2.0 | 4  | 19.0 | 46.0  |
| DN65  | 2-1/2" | 50.0  | 190.0 | 202.0 | 137.9 | 178.0 | 139.5 | 105.0 | 18.0 | 2.0 | 4  | 19.0 | 65.0  |
| DN80  | 3"     | 58.0  | 203.0 | 323.5 | 159.3 | 190.0 | 152.5 | 127.0 | 19.5 | 2.0 | 4  | 19.0 | 78.0  |
| DN100 | 4"     | 80.0  | 229.0 | 323.5 | 182.3 | 229.0 | 190.5 | 163.0 | 24.3 | 2.0 | 8  | 19.0 | 95.0  |
| DN150 | 6"     | 115.0 | 267.0 | 752.5 | 241.6 | 279.0 | 241.5 | 216.0 | 25.4 | 2.0 | 8  | 22.0 | 150.0 |

unit:mm