

Fig No: V-255FSB

Full Bore 1/4" ~ 2" (DN8 ~ DN50)



Features :

- Investment Casting Component
- Blow Out Proof Stem, Non Anti-Static Device
- ISO 5211 Mounting Flange Design
- In-line Maintenance
- Standard Stock Without Fire Safe Standard Sealing Kits (changeable)
- * Option : API 607 4th Edition Fire Safe Approved
- Sealing Kits can be changed upon request

Standard Compliance :

- Body Wall Thickness : EN 12516-1/2/3, ANSI B16.34
- Butt Weld : B16.25
- Face to Face : MD's Standard
- Pressure Testing : API 598 / EN 12266

Specification :

- Working Pressure : 140 Bar (CWP) / 2000 PSI for DN8 ~ DN25
- 100 Bar (CWP) / 1500 PSI for DN32 ~ DN50
- Temperature : -20 to 180 °C (-4 to 356 °F) for RTFE.
- Suggested Application : Sea Water, Organic Acids, Caustic Soda, Phosphoric Acid

MATERIAL LIST

| NO. | PART NAME | MATERIAL |
|-----|-------------------|---------------------------|
| 1 | BODY | ASTM A890/995 Gr.4A CD3MN |
| 4 | BALL | ASTM A890/995 Gr.4A CD3MN |
| 5 | STEM | S31803 |
| 9 | END CAP | ASTM A890/995 Gr.4A CD3MN |
| 11 | BODY SEAL | PTFE. |
| 12 | SEAT | RTFE.(15%G.F.) |
| 13 | THRUST WASHER | PTFE. |
| 14 | STEM PACKING | PTFE. |
| 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 | SS301 |
| 30 | TAB WASHER | SS304 |
| 33 | STOP PIN | SS304 |
| 34 | STOP PIN NUT | SS304 |
| 35 | BODY BOLT | ASTM A193 Gr.B8M |
| 37 | BOLT NUT | ASTM A194 Gr.8M |

DIMENSIONS

| SIZE | PORT | L | H | H1 | H2 | h | E | C | ØD | ØD1 | ØK | ØY | W | BW | Z | unit:mm |
|------|--------|------|-------|-------|------|------|-----|-------|------|------|------|------|------|------|------|---------|
| DN8 | 1/4" | 10.0 | 64.8 | 62.7 | 8.6 | 6.7 | 0.5 | 132.8 | 6.5 | 25.0 | 10.0 | 36.0 | 9.5 | 29.5 | 17.7 | M5x0.8 |
| DN10 | 3/8" | 10.0 | 64.8 | 62.7 | 8.6 | 6.7 | 0.5 | 132.8 | 6.5 | 25.0 | 12.5 | 36.0 | 9.5 | 29.5 | 17.7 | M5x0.8 |
| DN15 | 1/2" | 15.0 | 74.9 | 69.0 | 16.5 | 8.0 | 2.0 | 132.8 | 6.5 | 25.0 | 15.0 | 36.0 | 9.5 | 30.0 | 21.8 | M5x0.8 |
| DN20 | 3/4" | 20.0 | 90.0 | 73.5 | 17.8 | 8.8 | 2.0 | 132.8 | 6.5 | 25.0 | 20.0 | 36.0 | 9.5 | 36.0 | 27.2 | M5x0.8 |
| DN25 | 1" | 25.4 | 109.9 | 81.9 | 25.3 | 12.0 | 2.0 | 171.8 | 8.0 | 30.0 | 25.0 | 42.0 | 11.1 | 44.5 | 34.6 | M5x0.8 |
| DN32 | 1-1/4" | 32.0 | 115.0 | 86.9 | 26.0 | 11.7 | 2.0 | 171.8 | 8.0 | 30.0 | 32.0 | 42.0 | 11.1 | 54.0 | 42.7 | M5x0.8 |
| DN40 | 1-1/2" | 38.0 | 129.5 | 97.5 | 31.7 | 15.0 | 2.2 | 204.2 | 9.7 | 35.0 | 38.0 | 50.0 | 14.2 | 60.0 | 48.9 | M6x1.0 |
| DN50 | 2" | 50.8 | 145.2 | 127.0 | 28.7 | 15.4 | 1.8 | 212.0 | 12.0 | 55.0 | 50.0 | 70.0 | 19.0 | 73.0 | 61.0 | M8x1.25 |

DIMENSIONS

| SIZE | PORT | L | H | H1 | H2 | h | E | C | ØD | ØD1 | ØK | ØY | W | BW | Z | unit:inch |
|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|
| DN8 | 1/4" | 0.39 | 2.55 | 2.47 | 0.34 | 0.26 | 0.02 | 5.23 | 0.26 | 0.98 | 0.39 | 1.42 | 0.37 | 1.16 | 0.70 | M5x0.8 |
| DN10 | 3/8" | 0.39 | 2.55 | 2.47 | 0.34 | 0.26 | 0.02 | 5.23 | 0.26 | 0.98 | 0.49 | 1.42 | 0.37 | 1.16 | 0.70 | M5x0.8 |
| DN15 | 1/2" | 0.59 | 2.95 | 2.72 | 0.65 | 0.31 | 0.08 | 5.23 | 0.26 | 0.98 | 0.59 | 1.42 | 0.37 | 1.18 | 0.86 | M5x0.8 |
| DN20 | 3/4" | 0.79 | 3.54 | 2.89 | 0.70 | 0.35 | 0.08 | 5.23 | 0.26 | 0.98 | 0.79 | 1.42 | 0.37 | 1.42 | 1.07 | M5x0.8 |
| DN25 | 1" | 1.00 | 4.33 | 3.22 | 1.00 | 0.47 | 0.08 | 6.76 | 0.31 | 1.18 | 0.98 | 1.65 | 0.44 | 1.75 | 1.36 | M5x0.8 |
| DN32 | 1-1/4" | 1.26 | 4.53 | 3.42 | 1.02 | 0.46 | 0.08 | 6.76 | 0.31 | 1.18 | 1.26 | 1.65 | 0.44 | 2.13 | 1.68 | M5x0.8 |
| DN40 | 1-1/2" | 1.50 | 5.10 | 3.84 | 1.25 | 0.59 | 0.09 | 8.04 | 0.38 | 1.38 | 1.50 | 1.97 | 0.56 | 2.36 | 1.93 | M6x1.0 |
| DN50 | 2" | 2.00 | 5.72 | 5.00 | 1.13 | 0.61 | 0.07 | 8.35 | 0.47 | 2.17 | 1.97 | 2.76 | 0.75 | 2.87 | 2.40 | M8x1.25 |

