



**VALVE AND FLOW CONTROL SPECIALISTS**  
SERVICE AND RELIABILITY

**3 WAY L / T PORT THREADED STAINLESS STEEL BALL VALVE  
VERTICAL ENTRY**

**Figure No VBL-S1003LU (L port)  
VBL-S1003TU (T port)**



**Size Range :** 15nb – 50nb

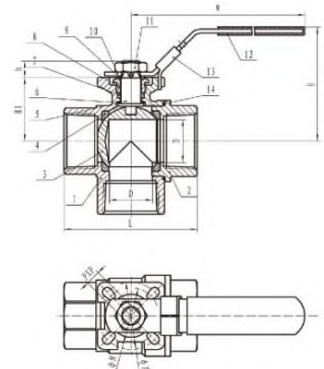
**Threaded Ends :** BSPT with NPT option  
**Materials :** ASTM A351-CF8M (DIN 1.4408) Stainless Steel

- \* High quality investment casting.
- \* Pressure temperature 1000 psi CWP Max temp 180 Deg C
- \* Solid ball reduced bore type
- \* Blow-out proof stem S/S 316.
- \* 4 seats for total ball support
- \* ISO 5211 top mounting pad for ease of actuation
- \* Tested to API 598

**OPTIONS :**

Electric or pneumatic actuators. Metal seated for high temp services

3 way valves generally feed media in through the central port and divert it left or right as desired. Hence one port is always open. They are not an isolation valve. The most common version is with all ports on the horizontal plain (see VBL-S1003L L port and VBL-S1003T for T port). This data sheet covers the less common with the central port from under the valve.



| MATERIAL LIST |               |          |
|---------------|---------------|----------|
| ITEM          | DESIGNATION   | MATERIAL |
| 1             | BODY          | CF8/CF8M |
| 2             | CAP           | CF8/CF8M |
| 3             | BALL          | CF8/CF8M |
| 4             | SEAL          | RPTFE    |
| 5             | STEM          | SUS304   |
| 6             | STEM PACKING  | PTFE     |
| 7             | STEM SEAT     | PTFE     |
| 8             | GLAND         | SUS304   |
| 9             | WASHER        | SUS304   |
| 10            | HANDLE        | SUS304   |
| 11            | NUT           | SUS304   |
| 12            | PLASTIC COVER | PLASTIC  |
| 13            | LOCKING       | SUS304   |

| DIMENSION TABLE |      |      |      |      |      |      |        |        |     |        |     |
|-----------------|------|------|------|------|------|------|--------|--------|-----|--------|-----|
| ITEM            | SIZE | 1/4" | 3/8" | 1/2" | 3/4" | 1"   | 1 1/4" | 1 1/2" | 2"  | 2 1/2" | 3"  |
| D               |      | 10   | 10   | 15   | 20   | 25   | 32     | 40     | 50  | 65     | 80  |
| H1              |      | 32   | 32   | 32   | 38   | 43   | 47     | 58     | 66  | 96     | 107 |
| h               |      | 9    | 9    | 9    | 9    | 11   | 11     | 14     | 14  | 20     | 20  |
| P               |      | 9    | 9    | 9    | 9    | 11   | 11     | 14     | 14  | 17     | 17  |
| M               |      | 36   | 36   | 36   | 36   | 42   | 42     | 50     | 50  | 70     | 70  |
| N               |      | 42   | 42   | 42   | 42   | 50   | 50     | 70     | 70  | 102    | 102 |
| H               |      | 61   | 61   | 61   | 67   | 78.5 | 83     | 95.5   | 103 | 143    | 154 |
| W               |      | 140  | 140  | 140  | 140  | 152  | 152    | 188    | 188 | 232    | 232 |
| L               |      | 52.5 | 52.5 | 64   | 74   | 90   | 79     | 106    | 130 | 162    | 197 |

**FLOW PATTERN:**

| PORT TYPE | 1 | 2 | 3 | 4 |
|-----------|---|---|---|---|
| L         |   |   |   |   |
| T         |   |   |   |   |

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