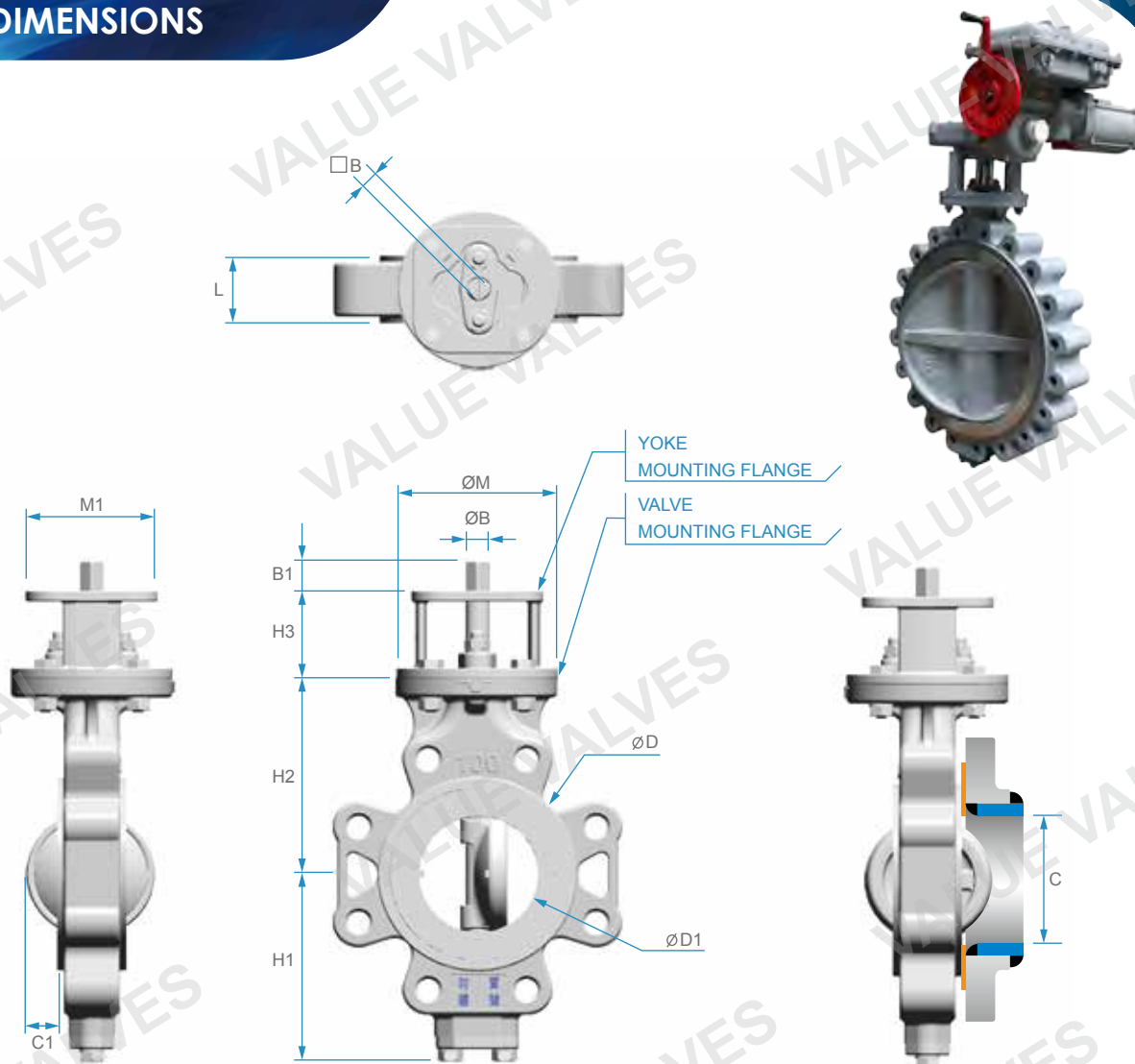


# VF-913A VF-923A VF-933A LUG TYPE

ANSI CLASS 150LB I ISO PN 10~PN 25 I JIS 10K 16K 20K

## DIMENSIONS



Unit : mm

| Size |                                                                                                                                       | Face to Face | Dimension |     |     |     |     |     |     |      | Mounting Flange<br>(ISO 5211) |      |      |     | Shaft end |    |    | Suitable<br>Pipe Flange  | Weight |
|------|---------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|-----|-----|-----|-----|-----|-----|------|-------------------------------|------|------|-----|-----------|----|----|--------------------------|--------|
|      |                                                                                                                                       |              |           |     |     |     |     |     |     |      | VALVE                         |      | YOKE |     |           |    |    |                          |        |
| mm   | inch                                                                                                                                  | L            | H1        | H2  | H3  | φD  | φD1 | C   | C1  | TYPE | φM                            | TYPE |      | M1  | φB        | □B | B1 | ★                        | kg     |
| 50   | 2                                                                                                                                     | 43           | 99        | 118 | 60  | 92  | 38  | 19  | 2   | F07  | 90                            | F07  | F05  | 70  | 14        | 11 | 18 | ABCDEFK                  | 5      |
| 65   | 2.5                                                                                                                                   | 46           | 111       | 125 | 60  | 108 | 63  | 56  | 15  | F07  | 90                            | F07  | F05  | 70  | 14        | 11 | 18 | ABCDEFGHKK               | 9      |
| 80   | 3                                                                                                                                     | 47           | 128       | 140 | 70  | 126 | 78  | 74  | 22  | F10  | 125                           | F10  | F07  | 102 | 18        | 14 | 23 | ABCDEFGHKK               | 10     |
| 100  | 4                                                                                                                                     | 53           | 150       | 157 | 70  | 153 | 95  | 86  | 25  | F10  | 125                           | F10  | F07  | 102 | 18        | 14 | 23 | ABCDEFGHKK               | 16     |
| 125  | 5                                                                                                                                     | 57           | 163       | 170 | 70  | 184 | 118 | 112 | 36  | F10  | 125                           | F10  | F07  | 102 | 22        | 17 | 23 | ABCDEFGHKK               | 19     |
| 150  | 6                                                                                                                                     | 56           | 176       | 185 | 70  | 212 | 143 | 138 | 49  | F10  | 125                           | F10  | F07  | 102 | 22        | 17 | 23 | ABCDEFGHKK               | 20     |
| 200  | 8                                                                                                                                     | 62           | 206       | 220 | 80  | 268 | 188 | 182 | 68  | F12  | 150                           | F12  | F10  | 125 | 25        | 19 | 28 | ABCDEFGHKK               | 33     |
| 250  | 10                                                                                                                                    | 68           | 238       | 260 | 80  | 326 | 236 | 230 | 89  | F12  | 150                           | F12  | F10  | 125 | 28        | 22 | 28 | ABCDEFGHKK               | 47     |
| 300  | 12                                                                                                                                    | 78           | 269       | 290 | 100 | 375 | 282 | 275 | 106 | F14  | 175                           | F14  | F12  | 160 | 35        | 27 | 37 | ABCDEFGHKK               | 77     |
| 350  | 14                                                                                                                                    | 78/92        | 306       | 326 | 100 | 416 | 322 | 314 | 125 | F14  | 175                           | F14  | F12  | 160 | 36        | 27 | 37 | ABCDEFGHKK               | 90     |
| 400  | 16                                                                                                                                    | 102          | 342       | 370 | 120 | 476 | 371 | 361 | 140 | F16  | 210                           | F16  | F14  | 195 | 48        | 36 | 47 | ABCDEFGHKK               | 138    |
| 450  | 18                                                                                                                                    | 114          | 370       | 395 | 120 | 534 | 418 | 406 | 157 | F16  | 210                           | F16  | F14  | 195 | 48        | 36 | 47 | ABCDEFGHKK               | 164    |
| 500  | 20                                                                                                                                    | 127          | 397       | 430 | 120 | 588 | 466 | 453 | 177 | F16  | 210                           | F16  | F14  | 195 | 60        | 46 | 56 | ABCDEFGHKK               | 189    |
| 600  | 24                                                                                                                                    | 154          | 455       | 490 | 150 | 692 | 570 | 550 | 210 | F25  | 300                           | F16  | -    | 300 | 60        | 46 | 56 | ABCDE                    | 367    |
| 600  | 24                                                                                                                                    | 154          | 455       | 490 | 150 | 692 | 570 | 550 | 210 | F25  | 300                           | F25  | -    | 300 | 60        | 46 | 56 | ABCDE                    | 370    |
| ★    | A : ASME 150LB   B : ISO PN10   C : ISOPN16   D : ISO PN20   E : ISO PN25<br>F : JIS 10K   G : JIS 16K   H : 20K   K : B.S.10 TABLE E |              |           |     |     |     |     |     |     |      |                               |      |      |     |           |    |    | Inside Pipe Diameter > C |        |

\*Other dimensions please consult with Value Valves.

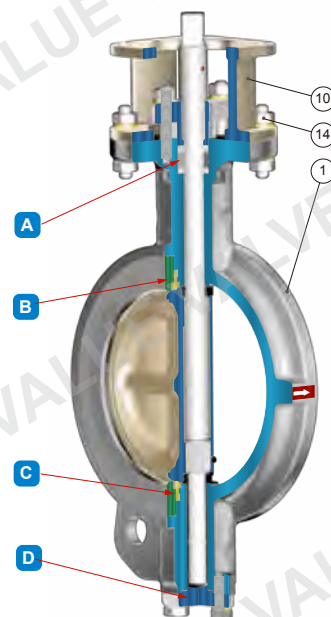
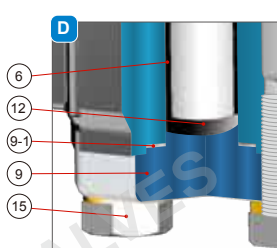
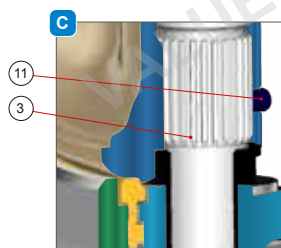
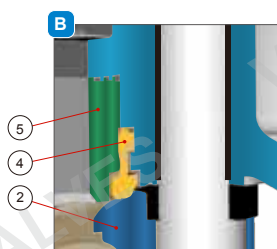
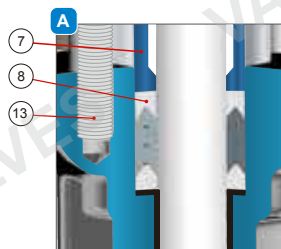
# VF-91\_A Series

ANSI CLASS 150LB I ISO PN 10~PN 25 I JIS 10K 16K 20K

## SOFT SEAT

Suitable for applications in petrochemical and food industries at ambient temperatures.

## PARTS AND MATERIALS



| No. | NAME                | MATERIAL             | SPECIFICATION |                   | REMARK/SPARE PARTS*                                                                  |
|-----|---------------------|----------------------|---------------|-------------------|--------------------------------------------------------------------------------------|
|     |                     |                      | JIS           | ASTM              |                                                                                      |
| 1   | BODY                | CARBON STEEL         | SC480         | A216 Gr. WCB      |                                                                                      |
|     |                     | STAINLESS STEEL      | SCS 13A       | A351 Gr. CF8      |                                                                                      |
|     |                     |                      | SCS 14A       | A351 Gr. CF8M     |                                                                                      |
|     |                     |                      | SCS 16A       | A351 Gr. CF3M     |                                                                                      |
| 2   | DISC                | STAINLESS STEEL      | SCS 13A       | A351 Gr. CF8      | Disc edge has to be hard chrome plated when equipped RTFE seat.                      |
|     |                     |                      | SCS 14A       | A351 Gr. CF8M     |                                                                                      |
|     |                     |                      | SCS 16A       | A351 Gr. CF3M     |                                                                                      |
| 3   | SHAFT               | STAINLESS STEEL      | SUS 304       | A182 Gr. F304     | Shaft has to be hard chrome plated when equipped with PTFE + Graphite gland packing. |
|     |                     |                      | SUS 316       | A182 Gr. F316     |                                                                                      |
|     |                     |                      | 630SS         | A564 Gr. 630      |                                                                                      |
|     |                     |                      | XM-19         | A479 Gr. XM-19    |                                                                                      |
| 4   | SOFT SEAT           | PTFE                 |               |                   | -29°C ~160°C (-20 °F ~320 °F )                                                       |
|     |                     | PTFE+15%GLASS FIBER  | RTFE          |                   | -29°C ~180°C (-20 °F ~356 °F )                                                       |
|     |                     | PTFE+15%GRAPHITE     | RTFE          |                   | -29°C ~210°C (-20 °F ~410 °F )                                                       |
|     |                     | TFM                  | TFM           |                   | -100°C ~260°C (-148 °F ~500 °F )                                                     |
| 5   | RETAINER            | STAINLESS STEEL      | SCS 13A       | A351 Gr. CF8      |                                                                                      |
|     |                     |                      | SCS 14A       | A351 Gr. CF8M     |                                                                                      |
|     |                     |                      | SCS 16A       | A351 Gr. CF3M     |                                                                                      |
| 6   | BUSHING             | STAINLESS STEEL+RTFE |               |                   | *                                                                                    |
| 7   | GLAND               | STAINLESS STEEL      | SCS 13A       | A351 Gr. CF8      |                                                                                      |
|     |                     |                      | SCS 14A       | A351 Gr. CF8M     |                                                                                      |
|     |                     |                      | SCS 16A       | A351 Gr. CF3M     |                                                                                      |
| 8   | GLAND PACKING       | PTFE                 |               |                   | *-29°C ~160°C (-20 °F ~320 °F )                                                      |
|     |                     | RTFE                 |               |                   | *-29°C ~210°C (-20 °F ~410 °F )                                                      |
| 9   | BOTTOM COVER        | STAINLESS STEEL      | SCS 13A       | A351 Gr. CF8      |                                                                                      |
|     |                     |                      | SCS 14A       | A351 Gr. CF8M     |                                                                                      |
|     |                     |                      | SCS 16A       | A351 Gr. CF3M     |                                                                                      |
|     |                     | CARBON STEEL         | SC480         | A216 Gr. WCB      |                                                                                      |
| 9-1 | BOTTOM COVER GASKET | PTFE                 |               |                   | *                                                                                    |
|     |                     | RPTFE                |               |                   |                                                                                      |
| 10  | YOKE                | DUCTILE IRON         | FCD 450       | A536 Gr. 65-45-12 |                                                                                      |
|     |                     | CARBON STEEL         | SC480         | A216 Gr. WCB      |                                                                                      |
| 11  | STOP STUD           | STAINLESS STEEL      | SUS 316       | A193 Gr. B8M      | *                                                                                    |
| 12  | LOCK PLATE          | RTFE+316SS           |               |                   | *                                                                                    |
| 13  | STUD                | STAINLESS STEEL      | SUS 304       | A193 Gr. B8       |                                                                                      |
| 14  | NUT                 | STAINLESS STEEL      | SUS 304       | A194 Gr. 8        |                                                                                      |
| 15  | BOLT                | STAINLESS STEEL      | SUS 304       | A193 Gr. B8       |                                                                                      |

### Remark:

SHAFT (3) - One-Piece design with ISO 5211 square drive.

SOFT SEAT(4) - Pressure assisted to give bi-directional bubble tight shut off at all pressures.

(Valve must be installed with retaining ring upstream for dead end service.)

RETAINER(5) - Patented design of square thread, ensures an un-interrupted sealing face.

GLAND PACKING (8) - Multiply Row of Teflon Chevron.

YOKE(10) - Materials A216 Gr. WCB is only available for F16 and below ;

A536 65-45-12 for F25 and above. Investment Cast, per ISO 5211.

LOCK PLATE (12) - Anti blow out shaft and Anti static design

Each materials can provide on different process of customer's requirements.

"\*" Value Valves offer high quality replacement parts for our own product.