



2025

# PRODUCTS CATALOGUE

# SUMMARY

01

## **NON RETURN CHECK VALVES**

Swing Check valve CV  
Swing Check valve CS  
Disc check valve DCEL  
Dual Plate Check valve  
Counterweight check valve CC

02

## **BUTTERFLY VALVES**

Butterfly Valve series BV/BVT  
Butterfly Valve series BR/BRT  
Butterfly Valve series VFI  
Butterfly Valve series BVS  
Butterfly Valve series CH  
Butterfly Valve series DV0-2 DV4

03

## **SIGHT GLASSES**

Sight Glasses series S, W, R

04

## **BALL VALVES**

Trunnion Ball Valve TV

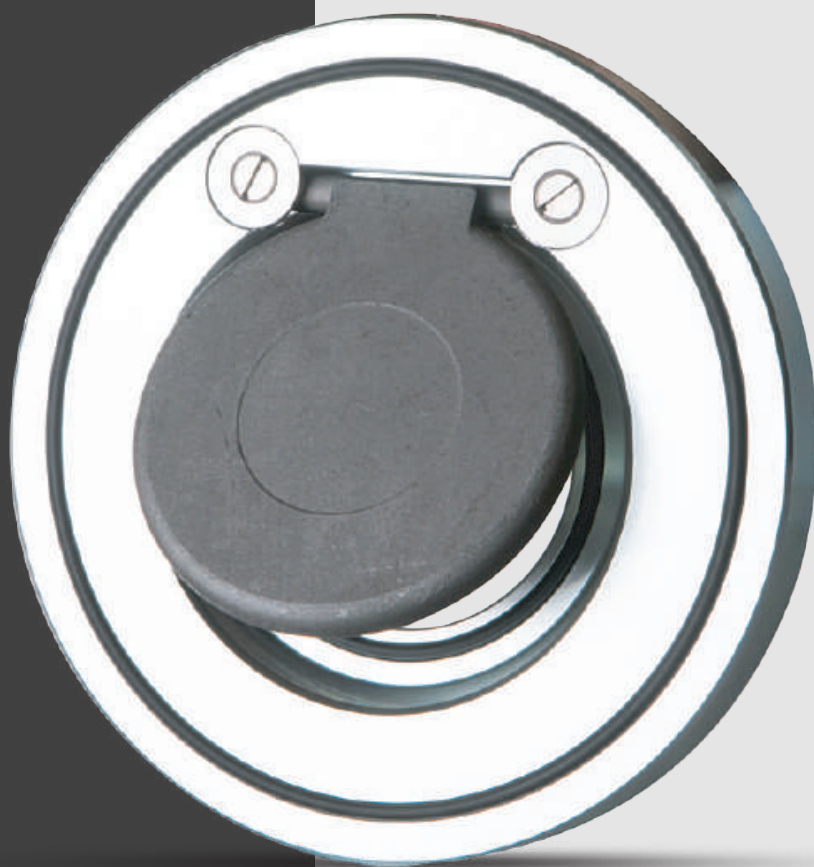


01

# **NON RETURN** CHECK VALVES

# SERIES CV CLAPET VALVE

In compliance with PED 97/23/EC



## TECHNICAL DETAILS

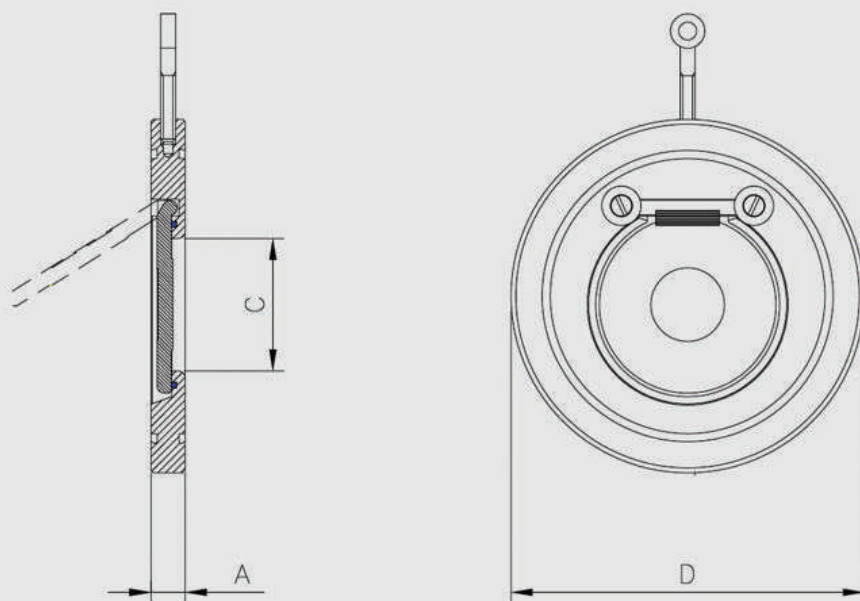
|                                                                               |                                                                                                                            |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Wafer design                                                                  | Metal/metal seat or soft seal (NBR, EPDM, PTFE, FKM)                                                                       |
| Self-centering                                                                | Series DN 32 - DN 800                                                                                                      |
| Light weight and small face to face                                           | Suitable for flange UNI PN 6, 10, 16, 25 e ANSI 150 RF                                                                     |
| Low pressure drop                                                             | Further materials and special execution upon request:<br>- series ANSI 300 + ANSI 1500 RF e RTJ<br>- series PN 40 + PN 250 |
| Easy to install and maintenance                                               |                                                                                                                            |
| Standard materials: zinc plated carbon steel, stainless steel 316, alu-bronze |                                                                                                                            |

## WORKING PRESSURE

|                |                       |         |
|----------------|-----------------------|---------|
| <b>PN6</b>     | 6 Kg/cm <sup>2</sup>  | 85 Psi  |
| <b>PN10</b>    | 10 Kg/cm <sup>2</sup> | 142 Psi |
| <b>PN16</b>    | 16 Kg/cm <sup>2</sup> | 227 Psi |
| <b>PN25</b>    | 25 Kg/cm <sup>2</sup> | 355 Psi |
| <b>ANSI150</b> | 20 Kg/cm <sup>2</sup> | 284 Psi |

## MINIMUM OPENING PRESSURE (mbar)

| Flow Direction        | DN 32 : DN 150 | DN 200 : DN 300 | DN 200 : DN 300                                           |
|-----------------------|----------------|-----------------|-----------------------------------------------------------|
| Horizontal open 10° → | 3              | 3               | 6                                                         |
| Horizontal open 30° → | 9              | 12              | 16                                                        |
| Horizontal open 60° → | 13             | 19              | 26                                                        |
| Vertical unphill ↑    | 16             | 22              | 32                                                        |
| Vertical downhill ↓   | -              | -               | -<br>It is not possible to use the valve in this position |



## DIMENSIONS

| DN  |                                | A  | C   | D PN6 | D PN10 | D PN16 | D PN20 | D ANSI150 | WT PN10 |
|-----|--------------------------------|----|-----|-------|--------|--------|--------|-----------|---------|
| mm  | inch                           |    |     |       |        |        |        |           | Kg      |
| 32  | 1" <sup>1</sup> / <sub>4</sub> | 14 | 17  | 78    | 84     | 84     | 84     | 76        | 0,6     |
| 40  | 1" <sup>1</sup> / <sub>2</sub> | 14 | 22  | 88    | 95     | 95     | 95     | 86        | 0,7     |
| 50  | 2"                             | 14 | 32  | 98    | 109    | 109    | 109    | 105       | 0,9     |
| 65  | 2" <sup>1</sup> / <sub>2</sub> | 14 | 40  | 118   | 129    | 129    | 129    | 124       | 1,2     |
| 80  | 3"                             | 14 | 54  | 134   | 144    | 144    | 144    | 137       | 1,5     |
| 100 | 4"                             | 18 | 70  | 154   | 164    | 164    | 170    | 175       | 2,4     |
| 125 | 5"                             | 18 | 92  | 184   | 195    | 195    | 198    | 195       | 3,4     |
| 150 | 6"                             | 20 | 112 | 209   | 220    | 220    | 228    | 220       | 4,6     |
| 200 | 8"                             | 22 | 154 | 264   | 275    | 275    | 285    | 279       | 7,5     |
| 250 | 10"                            | 26 | 200 | 319   | 330    | 330    | 340    | 340       | 13,1    |
| 300 | 12"                            | 32 | 240 | 375   | 380    | 387    | 403    | 410       | 20,4    |
| 350 | 14"                            | 38 | 270 | 425   | 440    | 448    | 460    | 448       | 32,0    |
| 400 | 16"                            | 44 | 310 | 475   | 490    | 495    | 514    | 514       | 48,0    |
| 450 | 18"                            | 50 | 360 | 530   | 540    | 557    | 567    | 548       | 63,0    |
| 500 | 20"                            | 56 | 405 | 580   | 595    | 617    | 624    | 605       | 87,0    |
| 600 | 24"                            | 62 | 486 | 680   | 695    | 734    | 731    | 715       | 130,0   |
| 700 | 28"                            | 68 | 580 | 785   | 810    | 805    | 833    | 830*      | 215,0   |
| 800 | 32"                            | 80 | 670 | 890   | 917    | 911    | 942    | 937*      | 280,0   |

\* Suitable for flange MSS SP-44 150 LBS

\* DN40 ANSI150 standard with raised face, no external orings

# SERIES CS CLAPET VALVE

In compliance with PED 97/23/EC



## TECHNICAL DETAILS

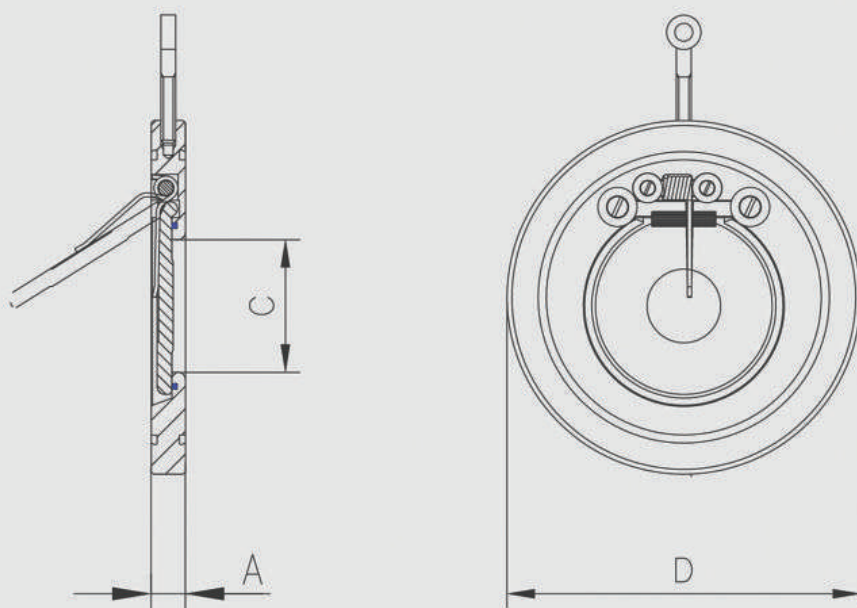
|                                                                               |                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wafer design                                                                  | Metal/metal seat or soft seal (NBR, EPDM, PTFE, FKM)                                                                                                                                                |
| Self-centering                                                                | Series DN 32 - DN 350                                                                                                                                                                               |
| Light weight and small face to face                                           | Suitable for flanges EN1092-1:2001 PN6, 10, 16, 25 and ANSI150 RF<br><br>Further materials and special execution upon request:<br>- series ANSI 300 + ANSI 1500 RF e RTJ<br>- series PN 40 + PN 250 |
| Low pressure drop                                                             |                                                                                                                                                                                                     |
| Easy to install and maintenance                                               |                                                                                                                                                                                                     |
| Standard materials: zinc plated carbon steel, stainless steel 316, alu-bronze |                                                                                                                                                                                                     |

## WORKING PRESSURE

|                |                       |         |
|----------------|-----------------------|---------|
| <b>PN6</b>     | 6 Kg/cm <sup>2</sup>  | 85 Psi  |
| <b>PN10</b>    | 10 Kg/cm <sup>2</sup> | 142 Psi |
| <b>PN16</b>    | 16 Kg/cm <sup>2</sup> | 227 Psi |
| <b>PN25</b>    | 25 Kg/cm <sup>2</sup> | 355 Psi |
| <b>ANSI150</b> | 20 Kg/cm <sup>2</sup> | 284 Psi |

## MINIMUM OPENING PRESSURE (mbar)

| Flow Direction        | DN 32 : DN 150 | DN 200 : DN 300 |
|-----------------------|----------------|-----------------|
| Horizontal open 10° → | 13             | 15              |
| Horizontal open 30° → | 19             | 25              |
| Horizontal open 60° → | 23             | 32              |
| Vertical unphill ↑    | 26             | 35              |
| Vertical downphill ↓  | 10             | 10              |

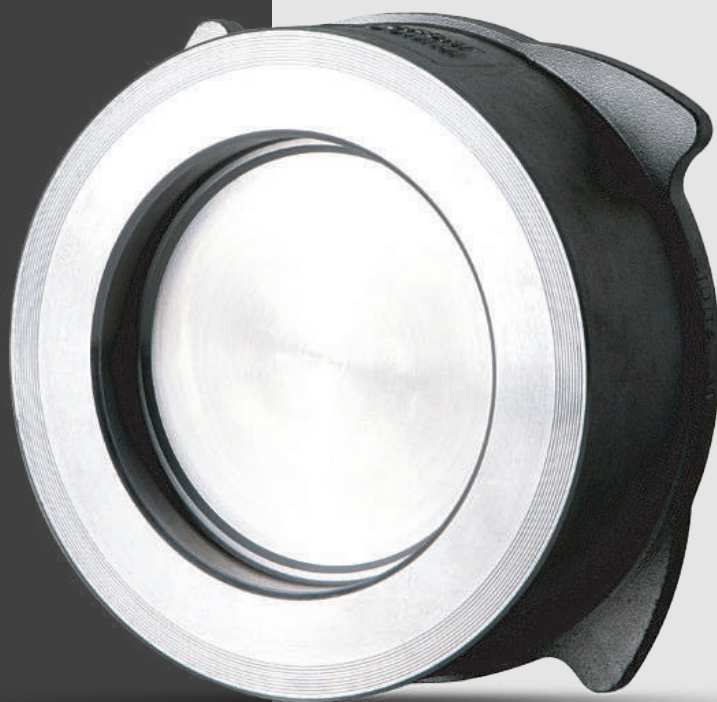


## DIMENSIONS

| DN  |                                | A  | C   | D PN6 | D PN10 | D PN16 | D PN25 | D ANSI150 | WT PN10 |
|-----|--------------------------------|----|-----|-------|--------|--------|--------|-----------|---------|
| mm  | inch                           |    |     |       |        |        |        |           | Kg      |
| 32  | 1" <sup>1</sup> / <sub>4</sub> | 14 | 17  | 78    | 84     | 84     | 84     | 76        | 0,6     |
| 40  | 1" <sup>1</sup> / <sub>2</sub> | 14 | 22  | 88    | 95     | 95     | 95     | 86        | 0,7     |
| 50  | 2"                             | 14 | 32  | 98    | 109    | 109    | 109    | 105       | 0,9     |
| 65  | 2" <sup>1</sup> / <sub>2</sub> | 14 | 40  | 118   | 129    | 129    | 129    | 124       | 1,2     |
| 80  | 3"                             | 14 | 54  | 134   | 144    | 144    | 144    | 137       | 1,5     |
| 100 | 4"                             | 18 | 70  | 154   | 164    | 164    | 170    | 175       | 2,4     |
| 125 | 5"                             | 18 | 92  | 184   | 195    | 195    | 198    | 195       | 3,4     |
| 150 | 6"                             | 20 | 112 | 209   | 220    | 220    | 228    | 220       | 4,6     |
| 200 | 8"                             | 22 | 154 | 264   | 275    | 275    | 285    | 279       | 7,5     |
| 250 | 10"                            | 26 | 200 | 319   | 330    | 330    | 340    | 340       | 13,1    |
| 300 | 12"                            | 32 | 240 | 375   | 380    | 387    | 403    | 410       | 20,4    |
| 350 | 14"                            | 38 | 270 | 425   | 440    | 448    | 460    | 448       | 32      |

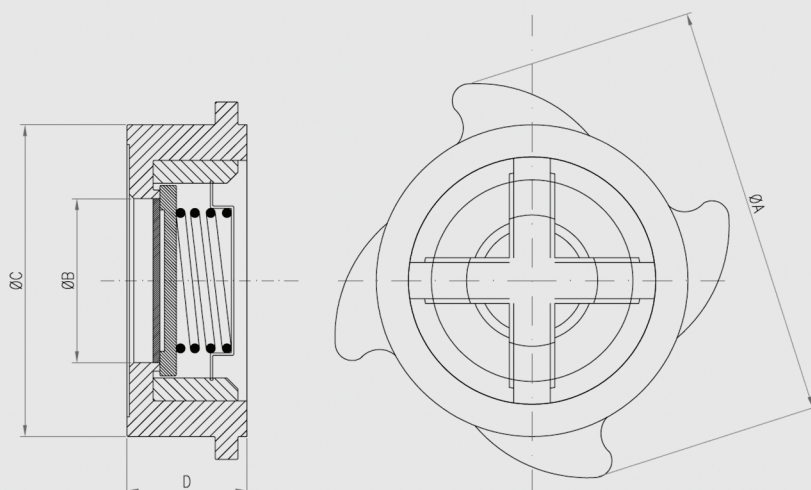
\* DN40 ANSI150 standard with raised face, no external orings

# SERIES DCEL DISC VALVE



## TECHNICAL DETAILS

|                                                           |                                                                            |
|-----------------------------------------------------------|----------------------------------------------------------------------------|
| Wafer design                                              | Series DN 15 - DN 100                                                      |
| Self-centering                                            | Suitable to be insert for flanges PN 6, 10, 16, 25, 40, ANSI 150, ANSI 300 |
| Low pressure drop                                         | Working pressure MAX 20 Bar                                                |
| Easy to install and maintenance                           | For higher pressure please contact our offices                             |
| Can be installed on vertical pipelines with downhill flow | PTFE disc, special materials, calibrated spring upon request               |
| Materials: acciaio inox AISI 316                          |                                                                            |
| Metal/Metal seat, soft seat upon request                  |                                                                            |

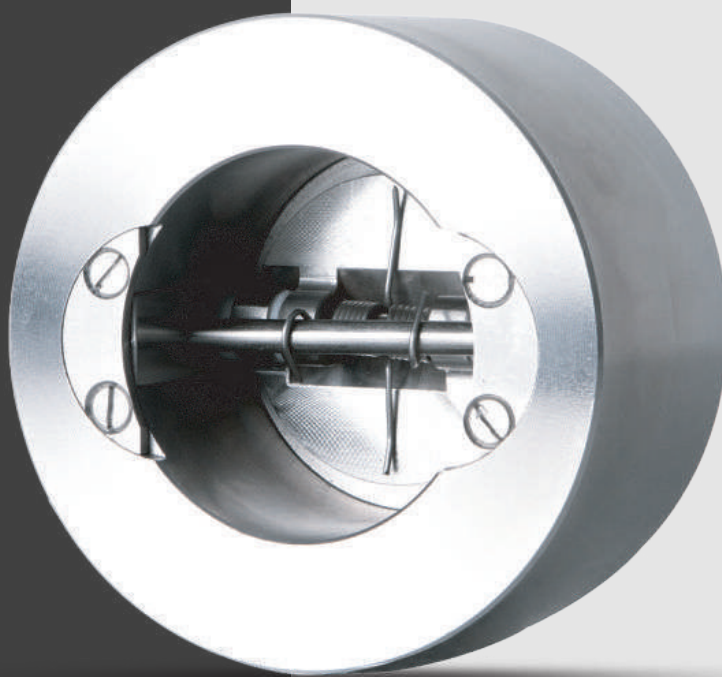


## DIMENSIONS

| DN  |        | A    | B   | C   | D  |
|-----|--------|------|-----|-----|----|
| mm  | inch   |      |     |     |    |
| 15  | 1/2"   | 60   | 15  | 38  | 16 |
| 20  | 3/4"   | 69,5 | 20  | 47  | 20 |
| 25  | 1"     | 80,5 | 25  | 55  | 22 |
| 32  | 1" 1/4 | 91   | 32  | 67  | 28 |
| 40  | 1" 1/2 | 101  | 40  | 76  | 32 |
| 50  | 2"     | 115  | 50  | 93  | 40 |
| 65  | 2" 1/2 | 142  | 65  | 109 | 46 |
| 80  | 3"     | 154  | 80  | 128 | 50 |
| 100 | 4"     | 184  | 100 | 148 | 60 |

\* DN40 ANSI150 standard with raised face, no external orings

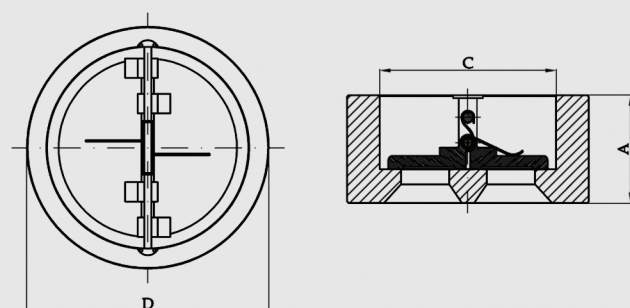
# SERIES CD TWIN FLAP VALVE



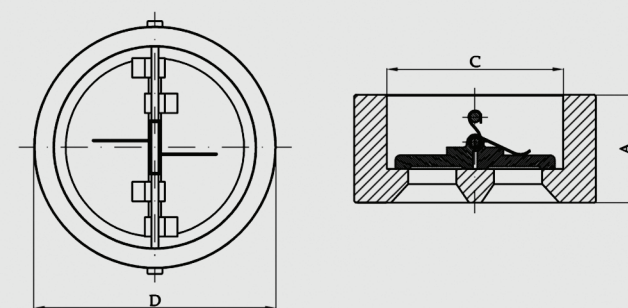
## TECHNICAL DETAILS

|                                                                                             |                                                |
|---------------------------------------------------------------------------------------------|------------------------------------------------|
| Wafer design, Lug and double flanged upon request                                           | Suitable for flanges UNI PN 10-40 ANSI 150-600 |
| Self-centering                                                                              | Face to face according to EN 558 - 1,16        |
| Low pressure drop                                                                           | Pressure test conform to API 598               |
| Metal/metal seat EPDM - VITON - BUNA                                                        | Special executions upon request                |
| Materials: zinc plated carbon steel body; stainless steel AISI 316, discs in AISI 316L/CF3M |                                                |
| Series DN50 - DN 500                                                                        |                                                |

Versione Retainerless



Version Retainer



## DIMENSIONS

| DN  |        | ØC  | A   | ØD PN10 | ØD PN16 | ØD PN25 | ØD PN40 | ANSI150 |     | ANSI300 |     | ANSI600 |     |
|-----|--------|-----|-----|---------|---------|---------|---------|---------|-----|---------|-----|---------|-----|
| mm  | inch   |     |     |         |         |         |         | A       | ØD  | A       | ØD  | A       | ØD  |
| 50  | 2"     | 65  | 43  | 109     | 109     | 109     | 109     | 60      | 105 | 60      | 109 | 60      | 110 |
| 65  | 2 1/2" | 80  | 46  | 129     | 129     | 129     | 129     | 67      | 124 | 67      | 129 | 67      | 127 |
| 80  | 3"     | 94  | 64  | 144     | 144     | 144     | 144     | 73      | 137 | 73      | 144 | 73      | 147 |
| 100 | 4"     | 117 | 64  | 164     | 164     | 170     | 170     | 73      | 175 | 73      | 178 | 79      | 193 |
| 125 | 5"     | 140 | 70  | 195     | 195     | 198     | 198     | 86      | 195 | 86      | 213 | 98      | 239 |
| 150 | 6"     | 170 | 76  | 220     | 220     | 228     | 228     | 98      | 220 | 98      | 248 | 137     | 264 |
| 200 | 8"     | 224 | 89  | 275     | 275     | 285     | 293     | 127     | 279 | 127     | 306 | 165     | 318 |
| 250 | 10"    | 265 | 114 | 330     | 330     | 340     | 355     | 146     | 340 | 146     | 360 | 213     | 398 |
| 300 | 12"    | 310 | 114 | 380     | 387     | 403     | 420     | 178     | 410 | 178     | 420 | 229     | 455 |
| 350 | 14"    | 370 | 127 | 440     | 448     | 460     | 477     | 178     | 448 | 178     | 484 | 273     | 489 |
| 400 | 16"    | 430 | 140 | 490     | 495     | 514     | 549     | 190     | 514 | 232     | 539 | 305     | 563 |
| 500 | 20"    | 530 | 152 | 595     | 617     | 624     | 631     | 219     | 605 | 292     | 653 | 368     | 679 |

\* DN40 ANSI150 standard with raised face, no external orings

## TECHNICAL DETAILS

### PRESSURE DROP CHART

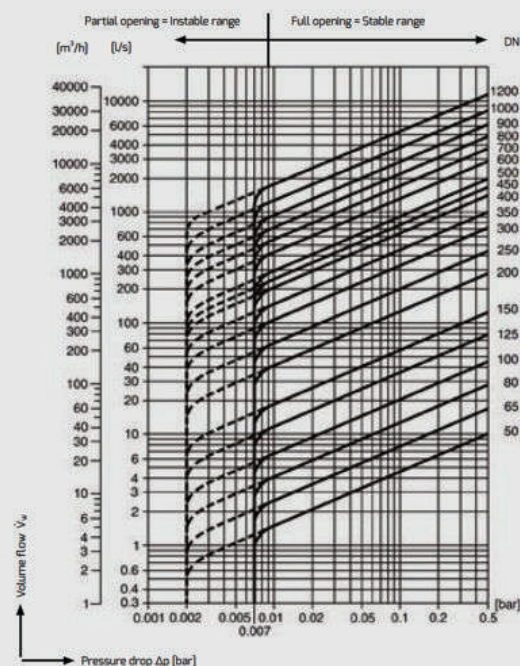
The chart is valid for water at 20°C; for other fluids, the equivalent water volumeflowrate must be calculated and used in the chart.

$$\dot{V}_w = \dot{V} \cdot \sqrt{\frac{\rho}{1000}}$$

$\dot{V}_w$  = Equivalent water volume flow in [l/s] or [m³/h]

$\rho$  = Density of fluid (operating condition) in [Kg/m³]

$\dot{V}$  = Volume flow of fluid (operating condition) in [l/s] or [m³/h]



| FLOW CHARACTERISTICS                                 |        |                                  | OPENING PRESSURES |        |                                           |              |
|------------------------------------------------------|--------|----------------------------------|-------------------|--------|-------------------------------------------|--------------|
| Valves in horizontal lines. Flow with water at 20°C. |        |                                  |                   |        |                                           |              |
| DN                                                   |        | FULLY OPEN<br>KVS - Value [m³/h] | DN                |        | OPENING PRESSURES WITH UPWARD FLOW [MBAR] |              |
| mm                                                   | inch   |                                  | mm                | inch   | without springs                           | with springs |
| 50                                                   | 2"     | 58                               | 50                | 2"     | 6                                         | 13           |
| 65                                                   | 2 1/2" | 95                               | 65                | 2 1/2" | 6                                         | 13           |
| 80                                                   | 3"     | 150                              | 80                | 3"     | 7                                         | 14           |
| 100                                                  | 4"     | 238                              | 100               | 4"     | 7                                         | 14           |
| 125                                                  | 5"     | 390                              | 125               | 5"     | 10                                        | 17           |
| 150                                                  | 6"     | 600                              | 150               | 6"     | 11 (15)                                   | 18 (22)      |
| 200                                                  | 8"     | 1439                             | 200               | 8"     | 12 (18)                                   | 19 (25)      |
| 250                                                  | 10"    | 2200                             | 250               | 10"    | 14 (18)                                   | 21 (25)      |
| 300                                                  | 12"    | 3800                             | 300               | 12"    | 15 (25)                                   | 22 (32)      |
| 350                                                  | 14"    | 5000                             | 350               | 14"    | 17 (25)                                   | 24 (32)      |
| 400                                                  | 16"    | 7100                             | 400               | 16"    | 19 (25)                                   | 26 (32)      |
| 450                                                  | 18"    | 8400                             | 450               | 18"    | 22                                        | 29           |
| 500                                                  | 20"    | 10180                            | 500               | 20"    | 23 (28)                                   | 30 (35)      |
| 600                                                  | 24"    | 14000                            | 600               | 24"    | 24 (31)                                   | 31 (38)      |
| 700                                                  | 28"    | 20000                            | 700               | 28"    | 29                                        | 36           |
| 800                                                  | 32"    | 25400                            | 800               | 32"    | 35                                        | 42           |
| 900                                                  | 36"    | 31000                            | 900               | 36"    | 41                                        | 48           |
| 1000                                                 | 40"    | 42000                            | 1000              | 40"    | 43                                        | 50           |
| 1200                                                 | 48"    | 60000                            | 1200              | 48"    | 47                                        | 54           |

$$C_v(\text{U.S.}) = 1.17 \cdot K_v$$

$$C_v(\text{U.K.}) = 0.98 \cdot K_v$$



# SERIES CC COUNTERWEIGHT CHECK VALVE



[Back to summary](#)

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[info@meivalvole.it](mailto:info@meivalvole.it)

## TECHNICAL DETAILS

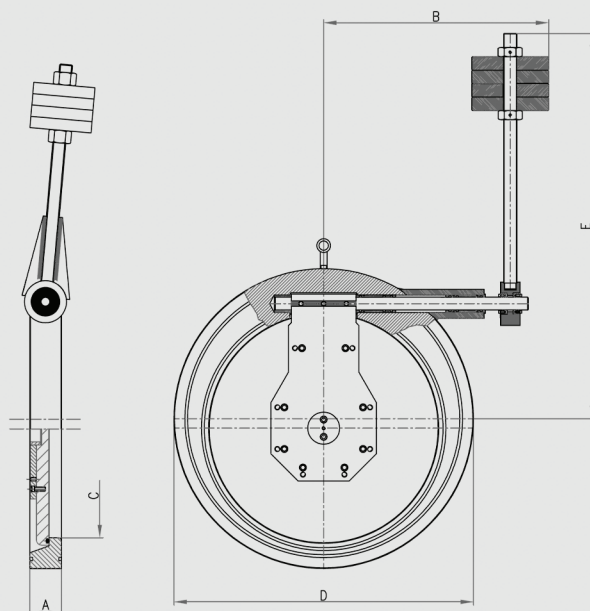
|                                     |                                                                      |
|-------------------------------------|----------------------------------------------------------------------|
| Wafer design                        | Materials: zinc plated carbon steel, stainless steel 316             |
| Self-centering                      | Metal/metal seat or soft seals                                       |
| Light weight and small face to face | Series DN 300 - DN 800                                               |
| Low pressure drop                   | Suitable for flanges EN 1092-1:2001 PN 6, 10, 16, 25 and ANSI 150 RF |
| Easy to install and maintenance     |                                                                      |

## WORKING PRESSURE

|                |                       |         |
|----------------|-----------------------|---------|
| <b>PN6</b>     | 6 Kg/cm <sup>2</sup>  | 85 Psi  |
| <b>PN10</b>    | 10 Kg/cm <sup>2</sup> | 142 Psi |
| <b>PN16</b>    | 16 Kg/cm <sup>2</sup> | 227 Psi |
| <b>PN25</b>    | 25 Kg/cm <sup>2</sup> | 355 Psi |
| <b>ANSI150</b> | 20 Kg/cm <sup>2</sup> | 284 Psi |

## WORKING PRESSURE

The main characteristic of this valve is the regulation of the opening pressure which can be set considering the working conditions of the valve itself.



## DIMENSIONS

| DN  |      | A  | B   | C   | E    | D PN6 | D PN10 | D PN16 | D PN25 | D ANSI150 |
|-----|------|----|-----|-----|------|-------|--------|--------|--------|-----------|
| mm  | inch |    |     |     |      |       |        |        |        |           |
| 300 | 12"  | 48 | 390 | 240 | 510  | 375   | 380    | 387    | 403    | 410       |
| 350 | 14"  | 53 | 410 | 270 | 590  | 425   | 440    | 448    | 460    | 448       |
| 400 | 16"  | 58 | 460 | 310 | 615  | 475   | 490    | 495    | 514    | 514       |
| 450 | 18"  | 67 | 500 | 360 | 700  | 530   | 540    | 557    | 567    | 548       |
| 500 | 20"  | 72 | 530 | 405 | 800  | 580   | 595    | 617    | 624    | 605       |
| 600 | 24"  | 82 | 605 | 486 | 1050 | 680   | 695    | 734    | 731    | 715       |
| 700 | 28"  | 90 | 630 | 580 | 1155 | 785   | 810    | 805    | 833    | 830*      |
| 800 | 32"  | 98 | 700 | 670 | 1210 | 890   | 917    | 911    | 942    | 937*      |

\*SUITABLE FOR FLANGES MSS SP-44 150 lbs



02

# BUTTERFLY VALVES

# SERIES BV/BVT BUTTERFLY VALVE



## TECHNICAL DETAILS

|                                                                                          |                                                                                                   |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Alimentary silicon seat, EPDM seat or PTFE shell with internal silicon seat or EPDM seat | Other finishing: electro-polished or upon request                                                 |
| SS 316L body and disc                                                                    | Wide range of accessories                                                                         |
| Easy to install, easy to clean                                                           | All valves can be equipped with pneumatic actuators, proximity limit switches and solenoid valves |
| Standard series DN 100 - DN 400                                                          |                                                                                                   |
| Standard finishing: internal mirror polished (Ra<0,1), external satin finish (Ra<0,8)    |                                                                                                   |

Components of Silicon and EPDM valves are not interchangeable with those in PTFE

## TORQUE (NM)

| DN                            | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|
| <b>TORQUE Silicon seat Nm</b> | 20  | 31  | 80  | 110 | 130 | 160 | 185 |
| <b>TORQUE PTFE seat Nm</b>    | 40  | 40  | 75  | 65  | 150 | 175 | 190 |

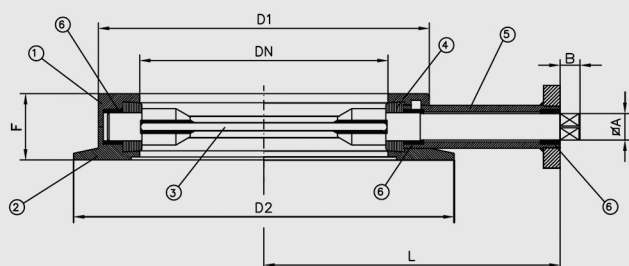
## TOP FLANGE FOR ACTUATOR

| DN                       | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|
| <b>ISO 5211 Standard</b> | F05 | F05 | F05 | F05 | F07 | F10 | F10 |

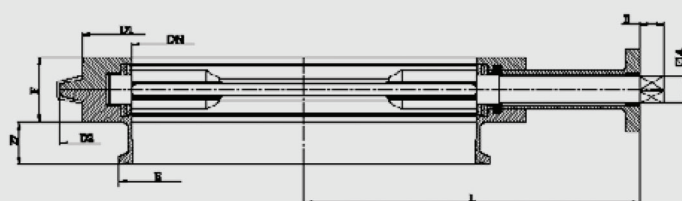
## MATERIALS

| Description  | Material                      | Nr |
|--------------|-------------------------------|----|
| UPPER FLANGE | EN 1.4404/ 316L               | 1  |
| LOWER FLANGE | EN 1.4404/ 316L               | 1  |
| DISC         | EN 1.4404 / 316L              | 1  |
| SEAT         | SILICON FDA 177.2600 P.T.F.E. | 1  |
| SUPPORT      | EN 1.4403 / 304               | 1  |
| BUSHINGS     | P.T.F.E.                      | 3  |

Series BV



Series BVT



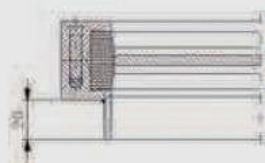
## DIMENSIONS

| DN  |      | D1  | D2  | F  | L   | A     | B  |
|-----|------|-----|-----|----|-----|-------|----|
| mm  | inch |     |     |    |     |       |    |
| 100 | 4"   | 150 | 180 | 36 | 131 | 11x11 | 16 |
| 150 | 6"   | 200 | 230 | 40 | 177 | 11x11 | 16 |
| 200 | 8"   | 250 | 280 | 40 | 202 | 11x11 | 16 |
| 250 | 10"  | 300 | 330 | 44 | 227 | 14x14 | 16 |
| 300 | 12"  | 350 | 380 | 46 | 254 | 17x17 | 19 |
| 350 | 14"  | 400 | 430 | 46 | 291 | 22x22 | 24 |
| 400 | 16"  | 450 | 500 | 50 | 316 | 22x22 | 24 |

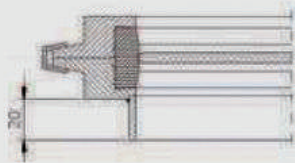
## MATERIALS

| Description  | Material                      | Nr |
|--------------|-------------------------------|----|
| UPPER FLANGE | EN 1.4404/316L                | 1  |
| LOWER FLANGE | EN 1.4404/316L                | 1  |
| DISC         | EN 1.4404/316L                | 1  |
| SEAT         | SILICON FDA 177.2600 P.T.F.E. | 1  |
| SUPPORT      | EN 1.4403/304                 | 1  |
| BUSHINGS     | P.T.F.E.                      | 3  |

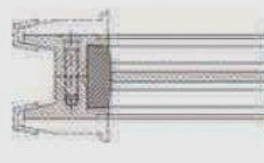
## TYPE OF CONNECTIONS



SX



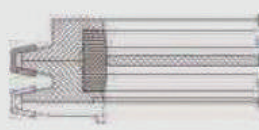
SR



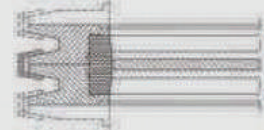
DC



CX



CR

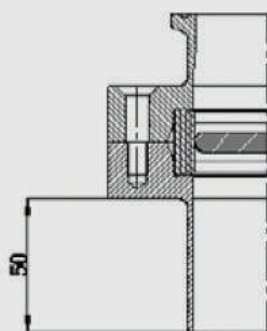


DR

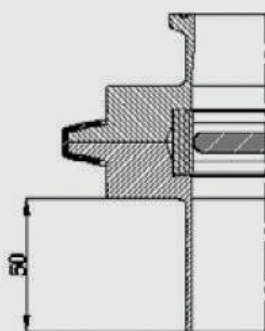
## DIMENSIONS

| DN  |      | D1  | D2  | A     | B  | E     | F  | L   |
|-----|------|-----|-----|-------|----|-------|----|-----|
| mm  | inch |     |     |       |    |       |    |     |
| 100 | 4"   | 150 | 180 | 11x11 | 16 | 119   | 36 | 131 |
| 150 | 6"   | 200 | 230 | 11x11 | 16 | 167   | 40 | 177 |
| 200 | 8"   | 250 | 280 | 11x11 | 16 | 217.7 | 40 | 202 |
| 250 | 10"  | 300 | 330 | 14x14 | 16 | 268.5 | 44 | 227 |
| 300 | 12"  | 350 | 380 | 17x17 | 19 | 319.3 | 46 | 254 |
| 350 | 14"  | 400 | 430 | 22x22 | 24 |       | 46 | 291 |
| 400 | 16"  | 450 | 500 | 22x22 | 24 |       | 50 | 316 |

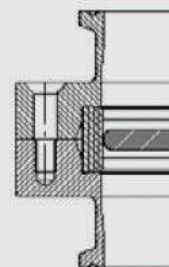
## TYPE OF CONNECTIONS



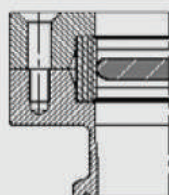
CXTW



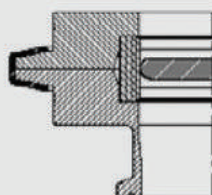
CRTW



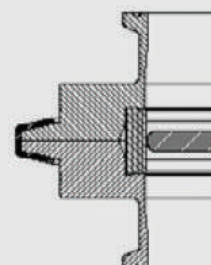
DCT



CXT



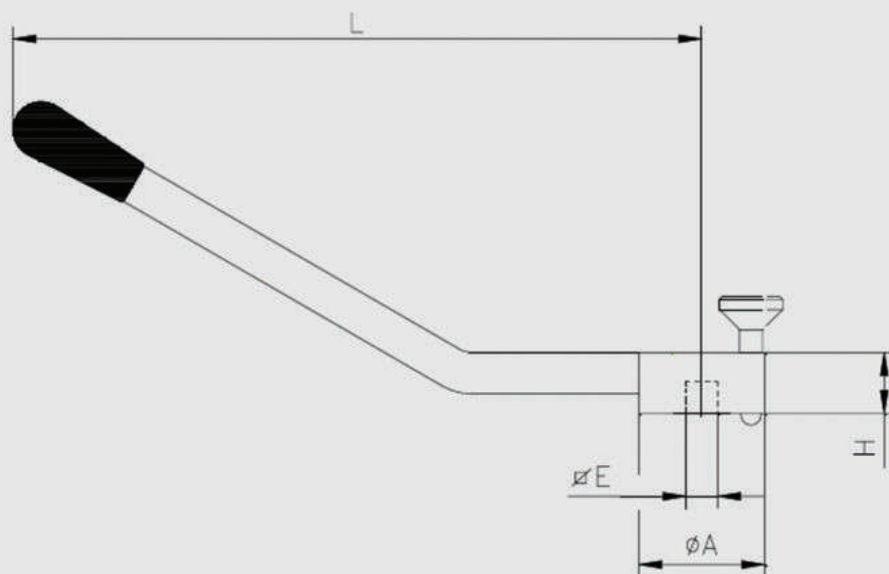
CRT



DRT

**CONTROL'S SYSTEM - HANDLE IN AISI 304**


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**DIMENSIONS**

| DN  |      | A  | E     | H  | L   |
|-----|------|----|-------|----|-----|
| mm  | inch |    |       |    |     |
| 100 | 4"   | 50 | 11x11 | 24 | 240 |
| 150 | 6"   | 50 | 11x11 | 24 | 365 |
| 200 | 8"   | 50 | 11x11 | 24 | 365 |
| 250 | 10"  | 50 | 14x14 | 24 | 365 |
| 300 | 12"  | 50 | 17x17 | 24 | 395 |

# SERIES BR/BRT BUTTERFLY VALVE



## TECHNICAL DETAILS

|                                                                                       |                                                                                                   |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Alimentary silicon seat, EPDM seat or PTFE shell with internal silicon or EPDM seat   | Other finishing: electro-polished or upon request                                                 |
| SS 316L body and disc                                                                 | Wide range of accessories                                                                         |
| Easy to install, easy to clean                                                        | All valves can be equipped with pneumatic actuators, proximity limit switches and solenoid valves |
| Standard series DN 100 - DN 400                                                       |                                                                                                   |
| Standard finishing: internal mirror polished (Ra<0,1), external satin finish (Ra<0,8) |                                                                                                   |

Components of Silicon and EPDM valves are not interchangeable with those in PTFE

## TORQUE (NM)

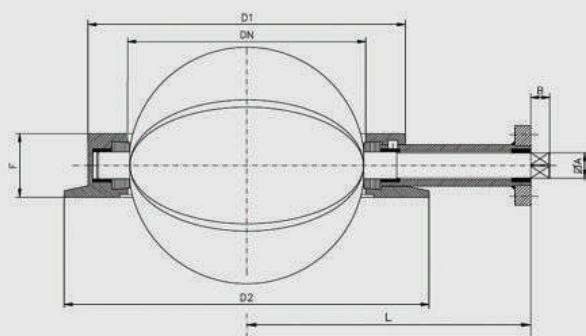
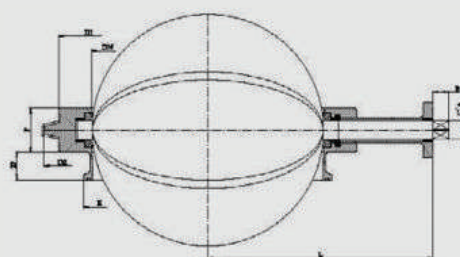
| DN                            | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|
| <b>TORQUE Silicon seat Nm</b> | 30  | 45  | 50  | 100 | 160 | 185 | 200 |
| <b>TORQUE PTFE seat Nm</b>    | 40  | 50  | 95  | 120 | 175 | 200 | 220 |

## TOP FLANGE FOR ACTUATOR

| DN                       | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|
| <b>ISO 5211 Standard</b> | F05 | F05 | F05 | F05 | F07 | F10 | F10 |

## MATERIALS

| Description  | Material                      | Nr |
|--------------|-------------------------------|----|
| UPPER FLANGE | EN 1.4404/316L                | 1  |
| LOER FLANGE  | EN 1.4404/316L                | 1  |
| DISC         | EN 1.4404/316L                | 1  |
| SEAT         | SILICON FDA 177.2600 P.T.F.E. | 1  |
| SUPPORT      | EN 1.4403/304                 | 1  |
| BUSHINGS     | P.T.F.E.                      | 3  |

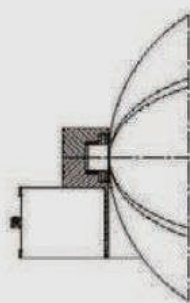
**BR Series**

**BRT Series**


## DIMENSIONS

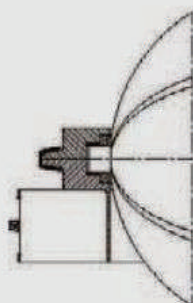
| DN  |      | D1  | D2  | F  | L   | A     | B  |
|-----|------|-----|-----|----|-----|-------|----|
| mm  | inch |     |     |    |     |       |    |
| 100 | 4"   | 150 | 180 | 36 | 131 | 11x11 | 16 |
| 150 | 6"   | 200 | 230 | 40 | 177 | 11x11 | 16 |
| 200 | 8"   | 250 | 280 | 40 | 202 | 11x11 | 16 |
| 250 | 10"  | 300 | 330 | 44 | 227 | 14x14 | 16 |
| 300 | 12"  | 350 | 380 | 46 | 254 | 17x17 | 19 |
| 350 | 14"  | 400 | 430 | 46 | 291 | 22x22 | 24 |
| 400 | 16"  | 450 | 500 | 50 | 316 | 22x22 | 24 |

## TYPE OF CONNECTIONS

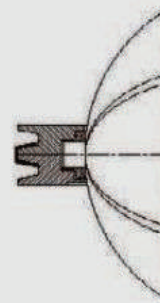
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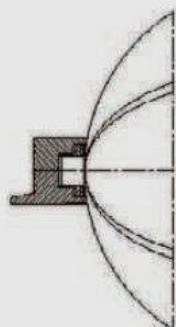
SX



SR



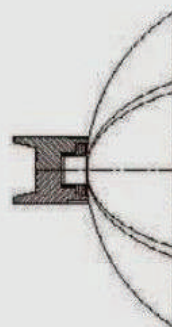
DC



CX



CR



DR

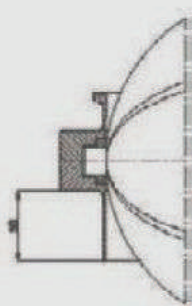
## MATERIALS

| Description  | Material                       | Nr |
|--------------|--------------------------------|----|
| UPPER FLANGE | EN 1.4404/316L                 | 1  |
| LOWER FLANGE | EN 1.4404/316L                 | 1  |
| DISC         | EN 1.4404/316L                 | 1  |
| SEAT         | SILICONE FDA 177.2600 P.T.F.E. | 1  |
| SUPPORT      | EN 1.4403/304                  | 1  |
| BUSHINGS     | P.T.F.E.                       | 3  |

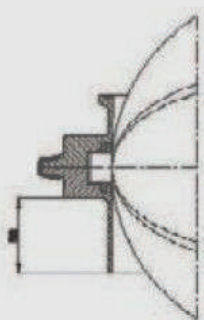
## DIMENSIONS

| DN  |      | D1  | D2  | A     | B  | E     | F  | L   |
|-----|------|-----|-----|-------|----|-------|----|-----|
| mm  | inch |     |     |       |    |       |    |     |
| 100 | 4"   | 150 | 180 | 11x11 | 16 | 119   | 36 | 131 |
| 150 | 6"   | 200 | 230 | 11x11 | 16 | 167   | 40 | 177 |
| 200 | 8"   | 250 | 280 | 11x11 | 16 | 217.7 | 40 | 202 |
| 250 | 10"  | 300 | 330 | 14x14 | 16 | 268.5 | 44 | 227 |
| 300 | 12"  | 350 | 380 | 17x17 | 19 | 319.3 | 46 | 254 |
| 350 | 14"  | 400 | 430 | 22x22 | 24 |       | 46 | 291 |
| 400 | 16"  | 450 | 500 | 22x22 | 24 |       | 50 | 316 |

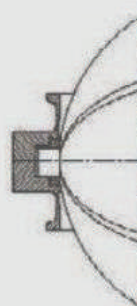
## TYPE OF CONNECTIONS



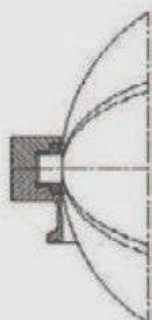
CXTW



CTW



DCT



CXT



CRT



DRT

# SERIES VFI BUTTERFLY VALVE



**TECHNICAL DETAILS**

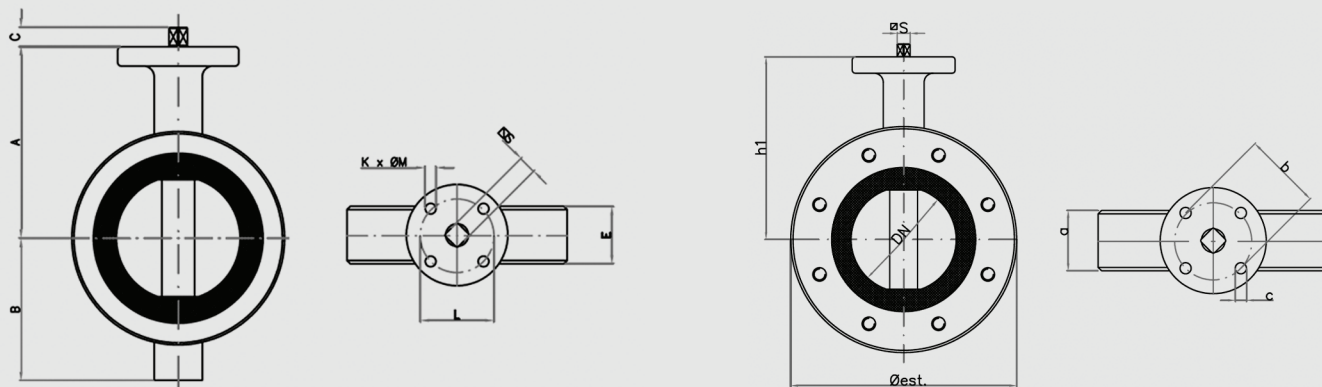
|                                                                                 |                                                         |
|---------------------------------------------------------------------------------|---------------------------------------------------------|
| WAFER and LUG executions                                                        | EPDM seat (upon request NBR/VITON/PTFE)                 |
| Easy to install                                                                 | Series DN 50 - DN 300                                   |
| Materials:<br>- AISI 316L<br>- Carbon steel<br>- Special materials upon request | Suitable for flanges UNI PN 10 different flange classes |
|                                                                                 | For larger diameters, pls. contact our export dept      |

**WORKING PRESSURE**

|                |                       |         |
|----------------|-----------------------|---------|
| <b>PN10</b>    | 10 Kg/cm <sup>2</sup> | 142 Psi |
| <b>PN16</b>    | 16 Kg/cm <sup>2</sup> | 227 Psi |
| <b>ANSI150</b> | 20 Kg/cm <sup>2</sup> | 284 Psi |

**TORQUE (NM)**

|                  |    |    |    |     |     |     |     |     |     |
|------------------|----|----|----|-----|-----|-----|-----|-----|-----|
| <b>DN</b>        | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| <b>TORQUE Nm</b> | 18 | 27 | 40 | 50  | 75  | 90  | 187 | 260 | 520 |



## DIMENSIONS

| DN  | Øest. PN6 | Øest. PN10 | Øest. PN16 | Øest. PN25 | Øest. ANSI150 | A  | B   | C  | H1  | ØS    |
|-----|-----------|------------|------------|------------|---------------|----|-----|----|-----|-------|
| 50  | 98        | 109        | 109        | 109        | 105           | 43 | 50  | 7  | 161 | 9x9   |
| 65  | 118       | 129        | 129        | 129        | 124           | 46 | 50  | 7  | 175 | 9x9   |
| 80  | 134       | 144        | 144        | 144        | 137           | 46 | 50  | 7  | 181 | 9x9   |
| 100 | 154       | 164        | 164        | 170        | 175           | 52 | 70  | 10 | 200 | 11x11 |
| 125 | 184       | 195        | 195        | 198        | 195           | 56 | 70  | 10 | 213 | 14x14 |
| 150 | 209       | 220        | 220        | 228        | 220           | 56 | 70  | 10 | 226 | 14x14 |
| 200 | 264       | 275        | 275        | 285        | 279           | 60 | 102 | 12 | 260 | 17x17 |
| 250 | 319       | 330        | 330        | 340        | 340           | 68 | 102 | 12 | 292 | 22x22 |
| 300 | 375       | 380        | 387        | 403        | 410           | 78 | 102 | 12 | 337 | 22x22 |

| DN  | Øest. PN6 | Øest. PN10 | Øest. PN16 | Øest. PN25 | Øest. ANSI150 | A  | B   | C  | H1  | ØCx C |
|-----|-----------|------------|------------|------------|---------------|----|-----|----|-----|-------|
| 50  | 140       | 165        | 165        | 165        | 150           | 43 | 50  | 7  | 161 | 9x9   |
| 65  | 160       | 185        | 185        | 185        | 180           | 46 | 50  | 7  | 175 | 9x9   |
| 80  | 190       | 200        | 200        | 200        | 190           | 46 | 50  | 7  | 181 | 9x9   |
| 100 | 210       | 220        | 220        | 235        | 230           | 52 | 70  | 10 | 200 | 11x11 |
| 125 | 240       | 250        | 250        | 270        | 255           | 56 | 70  | 10 | 213 | 14x14 |
| 150 | 265       | 285        | 285        | 300        | 280           | 56 | 70  | 10 | 226 | 14x14 |
| 200 | 320       | 340        | 340        | 360        | 345           | 60 | 102 | 12 | 260 | 17x17 |
| 250 | 375       | 395        | 405        | 425        | 405           | 68 | 102 | 12 | 292 | 22x22 |
| 300 | 440       | 445        | 460        | 485        | 485           | 78 | 102 | 12 | 337 | 22x22 |

# SERIES BVS BUTTERFLY VALVE



**TECHNICAL DETAILS**

|                                               |                        |
|-----------------------------------------------|------------------------|
| Food grade red silicon seat                   | Suitable for actuator  |
| Standard Executions welding ends              | PTFE seat upon request |
| Flanged ends, special connection upon request |                        |

**TORQUE (NM)**

|                  |    |    |    |    |    |    |
|------------------|----|----|----|----|----|----|
| <b>DN</b>        | 25 | 32 | 40 | 50 | 65 | 80 |
| <b>TORQUE Nm</b> | 8  | 10 | 10 | 14 | 18 | 20 |

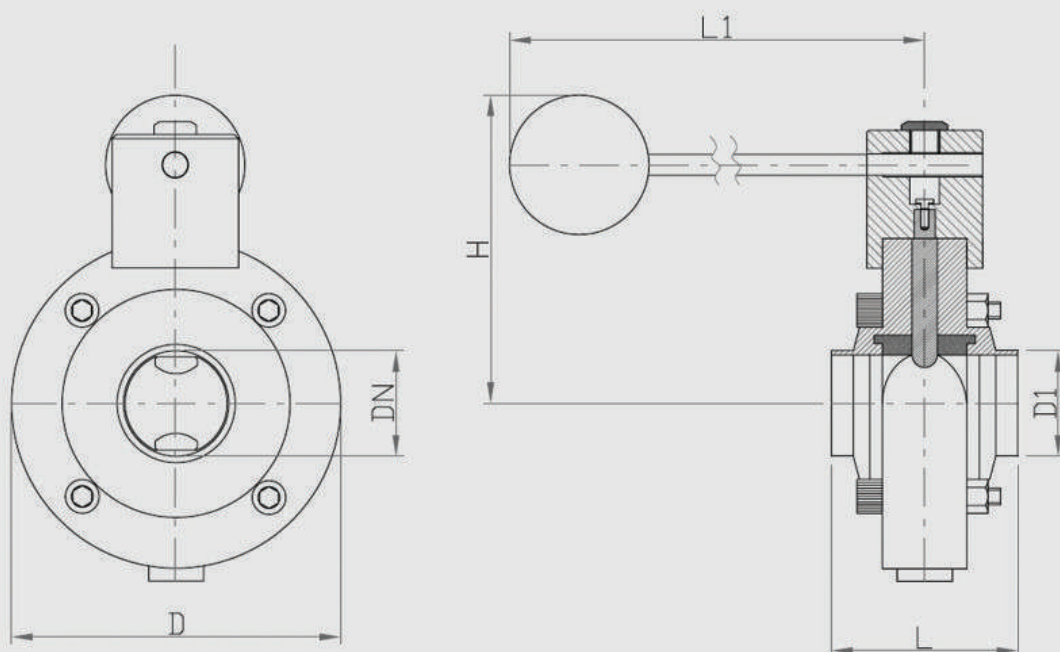
**TOP FLANGE FOR ACTUATOR**

|                          |     |     |     |     |     |     |
|--------------------------|-----|-----|-----|-----|-----|-----|
| <b>DN</b>                | 25  | 32  | 40  | 50  | 65  | 80  |
| <b>ISO 5211 Standard</b> | F05 | F05 | F05 | F05 | F05 | F05 |

**MATERIALS**

| Description  | Material                 | Nr |
|--------------|--------------------------|----|
| UPPER FLANGE | EN 1.4404/316L           | 1  |
| LOWER FLANGE | EN 1.4404/316L           | 1  |
| DISC         | EN 1.4404/316L           | 1  |
| SEAT         | FDA RED SILICON 177.2600 | 1  |

*PTFE seat upon request*



## DIMENSIONS

| DN |                                | D1 | D   | L  | L1  | H     |
|----|--------------------------------|----|-----|----|-----|-------|
| mm | inch                           |    |     |    |     |       |
| 25 | 1"                             | 28 | 78  | 50 | 126 | 86    |
| 32 | 1" <sup>1</sup> / <sub>4</sub> | 34 | 86  | 50 | 126 | 90    |
| 40 | 1" <sup>1</sup> / <sub>2</sub> | 40 | 90  | 50 | 126 | 92    |
| 50 | 2"                             | 52 | 106 | 52 | 133 | 104   |
| 65 | 2" <sup>1</sup> / <sub>2</sub> | 70 | 124 | 56 | 144 | 113   |
| 80 | 3"                             | 85 | 139 | 60 | 160 | 123,5 |

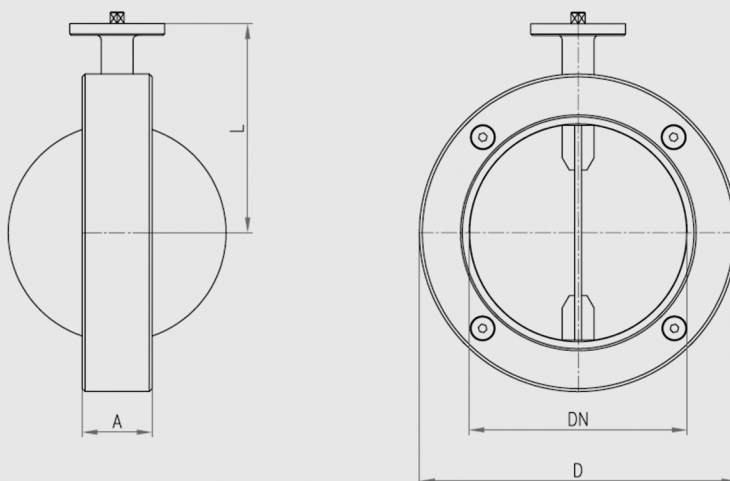
# SERIES CH BUTTERFLY VALVE



## TECHNICAL DETAILS

|                                                                                                                  |                                 |
|------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Wafer design                                                                                                     | Standard series DN 100 - DN 500 |
| Easy to install                                                                                                  | Suitable for flanges UNI PN 10  |
| Materials: AISI 316L                                                                                             | Machine finish                  |
| Transparent silicon seat, EPDM seat, or PTFE shell with internal silicon or EPDM seat with internal silicon seat | Favourable quality/price        |

Components of Silicon and EPDM valves are not interchangeable with those in PTFE



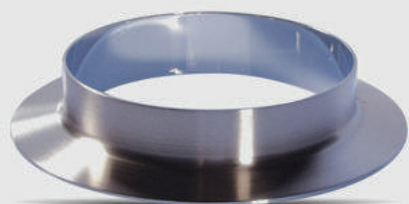
## DIMENSIONS

| DN  |      | A  | L   | D PN10 |
|-----|------|----|-----|--------|
| mm  | inch |    |     |        |
| 100 | 4"   | 36 | 131 | 164    |
| 150 | 6"   | 40 | 177 | 220    |
| 200 | 8"   | 40 | 202 | 275    |
| 250 | 10"  | 44 | 227 | 330    |
| 300 | 12"  | 46 | 254 | 380    |
| 350 | 14"  | 46 | 291 | 440    |
| 400 | 16"  | 50 | 316 | 490    |
| 500 | 20"  | 64 | 370 | 595    |

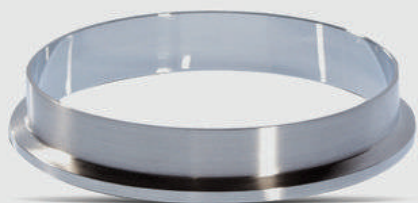
## ACCESSORIES

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*Available upon customers' request, valves' accessories.*



**COLLAR CW**



**COLLAR TC**



**CLAMP SS304**

# SERIES DV0-2 DV4 BUTTERFLY VALVE

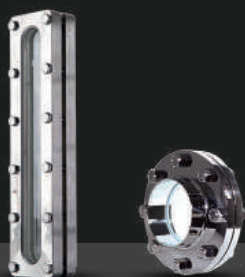


## TECHNICAL DETAILS

|                                                                                                           |                                                                     |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Metal/metal butterfly valves for fumes and air                                                            | Materials zinc plated carbon steel, SS316                           |
| Tightness class III according to ANSI B 6.104                                                             | Max temp. DV0-2 200°C, max temp. DV4 400°C                          |
| Low pressure drops                                                                                        | Shaft seat: P.T.F.E. o graphite plate                               |
| Maintenance operations are limited to the traditional packing of the stem with an adjustable stubbing box | Suitable for flanges EN 1092-1:2001 PN 6, PN 10, PN 16, ANSI 150 RF |
| Standard series DN 50 - DN 300                                                                            | Top flange according to ISO 5211                                    |

## TORQUE (NM)

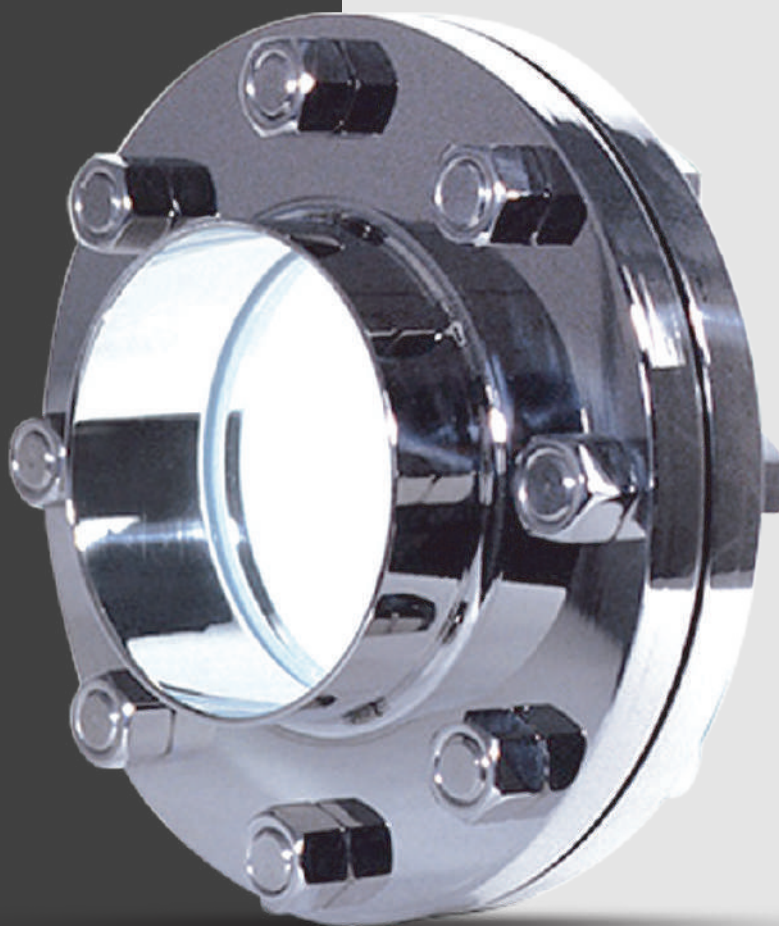
| SERIES  | PRESSURE (BAR) | 1    | 2    | 3    |
|---------|----------------|------|------|------|
| DN 50   |                | 4    | 5    | 10   |
| DN 65   |                | 4    | 5    | 10   |
| DN 80   |                | 4    | 5    | 10   |
| DN 100  |                | 4    | 5    | 10   |
| DN 125  |                | 5    | 8    | 16   |
| DN 150  |                | 7    | 11   | 23   |
| DN 200  |                | 14   | 25   | 49   |
| DN 250  |                | 29   | 52   | 105  |
| DN 300  |                | 39   | 72   | 144  |
| DN 350  |                | 63   | 118  | 236  |
| DN 400  |                | 79   | 151  | 302  |
| DN 450  |                | 123  | 236  | 472  |
| DN 500  |                | 146  | 282  | 564  |
| DN 600  |                | 268  | 525  | 1049 |
| DN 700  |                | 400  | 787  | 1574 |
| DN 800  |                | 516  | 1017 | 2033 |
| DN 900  |                | 632  | 1246 | 2492 |
| DN 1000 |                | 632  | 2197 | 2394 |
| DN 1200 |                | 1108 | 2853 | 4394 |
| DN 1400 |                | 2227 | 4427 | 8853 |



03

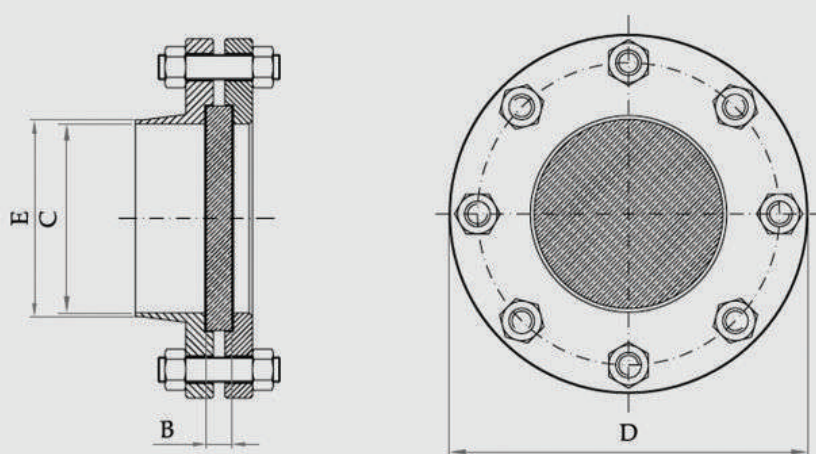
# **SIGHT GLASSES**

# SERIES W SIGHT GLASS



## TECHNICAL DETAILS

|                                                         |                                               |
|---------------------------------------------------------|-----------------------------------------------|
| Mount solder                                            | Body in AISI 316L , seat in P.T.F.E.          |
| Standard series from DN 50 up to DN 200                 | Completely demountable                        |
| TOUGHENED SODALIME disc, BOROSILICATE upon request      | Tested glasses upon request                   |
| Circular sight glasses suitable for tanks and pipelines | T° Max : soda-lime 130°C - borosilicate 250°C |



## DIMENSIONS

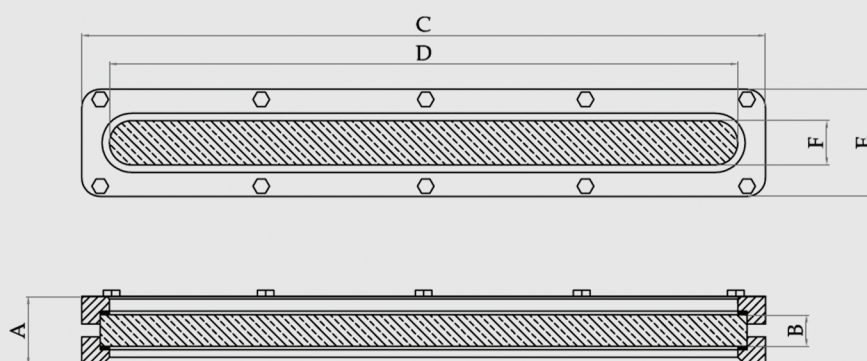
| DN  |        | B  | C   | D   | E     | n fori |
|-----|--------|----|-----|-----|-------|--------|
| mm  | inch   |    |     |     |       |        |
| 50  | 2"     | 12 | 58  | 165 | 61.5  | 4      |
| 65  | 2 1/2" | 15 | 77  | 185 | 77.5  | 4      |
| 80  | 3"     | 15 | 90  | 200 | 90.5  | 4      |
| 100 | 4"     | 15 | 109 | 220 | 116   | 8      |
| 125 | 5"     | 19 | 134 | 250 | 141.5 | 8      |
| 150 | 6"     | 25 | 161 | 285 | 170.5 | 8      |
| 200 | 8"     | 25 | 221 | 340 | 221.5 | 8      |

# SERIES R SIGHT GLASS



## TECHNICAL DETAILS

|                                                            |                                                           |
|------------------------------------------------------------|-----------------------------------------------------------|
| Mount solder                                               | Body in AISI 316L , seat in P.T.F.E.                      |
| Standard series from D 85 UP TO D 400                      | Completely demountable                                    |
| TOUGHENED SODALIME disc, BOROSILICATE upon request         | Tested glasses in conformity to I.S.P.E.S.L. upon request |
| Rectangular sight glasses suitable for tanks and pipelines | T° Max : soda-lime 130°C - borosilicate 250°C             |



## DIMENSIONS

| D   | A  | B  | C   | E  | F  |
|-----|----|----|-----|----|----|
| 85  | 31 | 17 | 115 | 60 | 24 |
| 130 | 31 | 17 | 160 | 60 | 24 |
| 180 | 31 | 17 | 210 | 60 | 24 |
| 240 | 31 | 17 | 270 | 60 | 24 |
| 310 | 31 | 17 | 340 | 60 | 24 |
| 360 | 31 | 17 | 390 | 60 | 24 |
| 400 | 31 | 17 | 430 | 60 | 24 |



04

# **BALL** VALVES

# SERIES TV TRUNNION BALL



*The Ball Valves MEI are designed and built to shut-off liquid or gaseous fluids. Usually used materials for pressure containing parts consist of forged carbon steel, low-alloy steel, austenitic stainless steel etc.; if this material is not suitable for the fluid, Mei Valvole Industriali can provide different materials according to the Customer's requirements.*

## TECHNICAL DETAILS

|                                                                                                                                                 |                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| The trunnion hinged ball side entry design that we use, gives more facility to handle, allowing to reduce the torque and the worn out of seats. | Anti-static (steel spring or ball) in according to API6D, guarantees electrical continuity between the parts (ball-stem or stem-gland flange). |
| Is available soft and metal seated valves.                                                                                                      | Stem extension or Gland Flange extension on request.                                                                                           |
| Double o-rings to improve sealing.                                                                                                              | Operation available with lever, gear or available with Actuator pneumatic or electric.                                                         |

Our Valves are available Reduce Bore or Full Bore, from 1"1/2 to 12"x10".

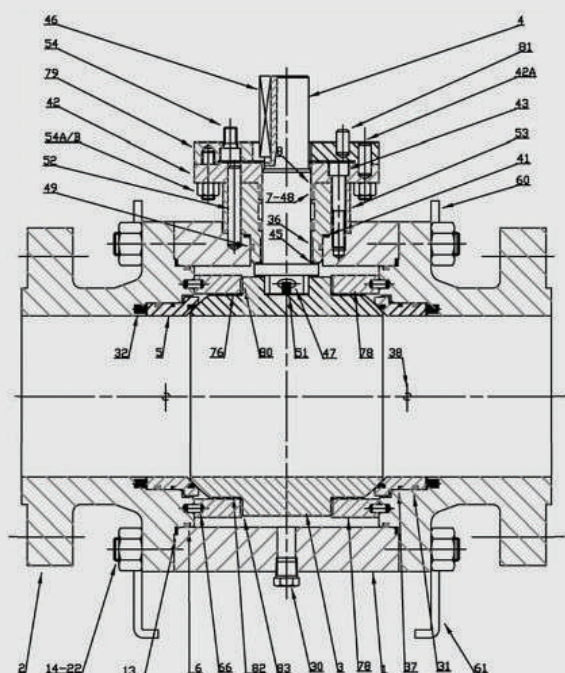
The range Class is form ANSI 150 to ANSI 600, with different ends depending by the pressure.

OTHER CONNECTION UPON CUSTOMERS' REQUEST.

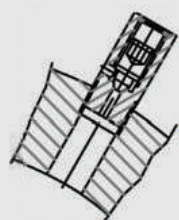
| Rating Size          | 150 | 300 | 600 | 900    | 1500 |
|----------------------|-----|-----|-----|--------|------|
| 1" <sup>1/2</sup>    | RF  | RF  | RF  | RTJ    | RTJ  |
| 2"x1" <sup>1/2</sup> | RF  | RF  | RF  | RTJ    | RTJ  |
| 2"                   | RF  | RF  | RF  | RTJ    | RTJ  |
| 3"x2"                | RF  | RF  | RF  | RTJ    | RTJ  |
| 3"                   | RF  | RF  | RF  | RTJ    | RTJ  |
| 4"x3"                | RF  | RF  | RF  | RTJ    | RTJ  |
| 4"                   | RF  | RF  | RF  | RTJ    | RTJ  |
| 6"x4"                | RF  | RF  | RF  | RTJ    | RTJ  |
| 6"                   | RF  | RF  | RF  | RF/RTJ | /    |
| 8"x6"                | RF  | RF  | RF  | RF/RTJ | /    |

POSSIBILITY TO REALIZE THE VALVES UPON CUSTOMERS' REQUEST. FOR THE DIMENSIONS PLEASE CONTACT OUR OFFICES.

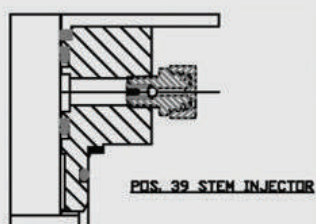
## TECHNICAL DRAWINGS



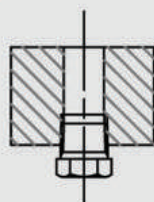
| PDS.                                            | PART NAME            |
|-------------------------------------------------|----------------------|
| 1                                               | BODY                 |
| 2                                               | BODY END             |
| 3                                               | BALL                 |
| 4                                               | STEM                 |
| E 5                                             | SEAT RING            |
| E 6                                             | BODY O-RING          |
| E 7                                             | STEM O-RING          |
| E 8                                             | FIRE SAFE GASKET     |
| E 13                                            | FIRE SAFE GASKET     |
| 14                                              | STUD BOLT            |
| 22                                              | STUD BOLT NUTS       |
| 30                                              | DRAIN PLUG           |
| E 31                                            | SEAT O-RING          |
| 32                                              | SPRING               |
| 36                                              | STEM BEARING         |
| E 37                                            | FIRE SAFE GASKET     |
| # 38                                            | SEAT INJECTOR        |
| # 39                                            | STEM INJECTOR        |
| # 39C                                           | SLEEVE               |
| E 41                                            | FIRE SAFE GASKET     |
| 42                                              | ADAPTER PLATE        |
| 42A                                             | PINS                 |
| 43                                              | CAP SCREW            |
| 45                                              | THRUST BEARING       |
| 46                                              | KEY                  |
| 47                                              | VENT PLUG            |
| E 48                                            | BACK-UP              |
| E 49                                            | BONNET O-RING        |
| 51                                              | ANTISTATIC DEVICE    |
| 52                                              | PINS                 |
| 53                                              | BONNET               |
| 54                                              | CAP SCREW            |
| 54A                                             | STUD BOLT            |
| 54B                                             | STUD BOLT NUTS       |
| 60                                              | LUGS                 |
| 61                                              | SUPPORT              |
| 66                                              | PINS                 |
| 76                                              | UPPER THRUST BEARING |
| 78                                              | SPACER               |
| 79                                              | SUPPORT PLATE        |
| 80                                              | UPPER BEARING        |
| 81                                              | PINS                 |
| 82                                              | LOWER THRUST BEARING |
| 83                                              | LOWER BEARING        |
| # 85                                            | CHECK VALVE          |
| I I E R E C O M M E N D E D S P A R E P A R T S |                      |
| # O N R E G I U E S T                           |                      |



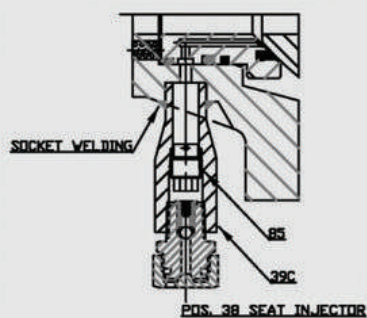
P 47\_YENJ\_PLUG.



PDS. 39 STEM INJECTOR



P 30\_DRAIN\_PLUG.



PDS. 38 SEAT INJECTOR