



Industrial Valves  
make it happen!

# CATALOGO DE PRODUCTOS



<http://www.trevisa.com.mx/>

## NICKEL PLATED BRASS BALL VALVES – Standard Port

ISO 9001 Manufacturer!

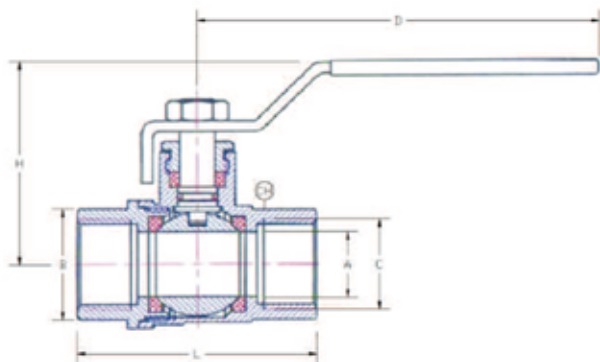
### Features:

- ✍ Nickel Plated Brass Body – for extra strength & corrosive resistance
- ✍ Chrome Plated Brass Ball
- ✍ Suitable for full range of liquids and gas
- ✍ Fast 1/4 turn open or closed operation
- ✍ Flow can go both directions
- ✍ Each valve individually tested
- ✍ Blow-out proof stem
- ✍ NPT Threaded ends to ANSI B1.20.1
- ✍ Blue vinyl insulator on heavy duty plated steel handles



### Dimension:

| Part No.  | Size   | A    | B    | C         | D     | L    | CH   |
|-----------|--------|------|------|-----------|-------|------|------|
| VBBN3-025 | 1/4"   | 0.39 | 1.06 | 1/4"NPT   | 3.15  | 1.77 | 0.83 |
| VBBN3-038 | 3/8"   | 0.39 | 1.06 | 3/8"NPT   | 3.15  | 1.77 | 0.83 |
| VBBN3-050 | 1/2"   | 0.59 | 1.08 | 1/2"NPT   | 3.15  | 1.89 | 0.98 |
| VBBN3-075 | 3/4"   | 0.75 | 1.34 | 3/4"NPT   | 3.62  | 2.09 | 1.18 |
| VBBN3-100 | 1"     | 0.94 | 1.61 | 1"NPT     | 4.02  | 2.56 | 1.46 |
| VBBN3-125 | 1 1/4" | 1.14 | 2.28 | 1 1/4"NPT | 5.12  | 3.15 | 1.85 |
| VBBN3-150 | 1 1/2" | 1.38 | 2.09 | 1 1/2"NPT | 5.66  | 3.26 | 2.13 |
| VBBN3-200 | 2"     | 1.93 | 3.15 | 2"NPT     | 5.71  | 3.94 | 2.64 |
| VBBN3-250 | 2 1/2" | 2.28 | 3.94 | 2 1/2"NPT | 11.02 | 5.12 | 3.27 |
| VBBN3-300 | 3"     | 2.76 | 4.72 | 3"NPT     | 8.82  | 5.59 | 3.66 |
| VBBN3-400 | 4"     | 3.35 | 5.63 | 4"NPT     | 8.82  | 6.57 | 4.84 |



### Material:

|          |                          |
|----------|--------------------------|
| Body:    | Nickle Plated Brass      |
| Ball:    | Chrome Plated Brass      |
| Stem:    | Brass                    |
| Seats:   | Teflon                   |
| Gaskets: | Teflon                   |
| Handle:  | Iron with rubber sleeves |

### Specification:

|                |                    |
|----------------|--------------------|
| Pressure Rate: | 400 WOG            |
| Working Temp:  | -20 – 200 degree F |
| Applicable     | water ,oil and gas |

- Information provided here may change without notification
- Other sizes and range are available on special order



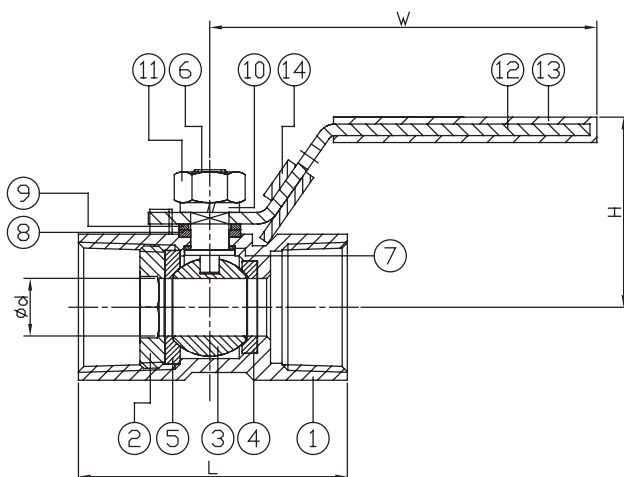
Industrial Valves  
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# 1-PC. SCREWED END BALL VALVE



## FEATURES

- Reduced Port, 1/4"~2"
- W.P. : 1000 WOG (PN63)
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Anti-static device (option)
- Locking device
- Thread type : ASTM B1.20.1 (NPT)  
DIN2999 & BS21  
ISO7/1 & EN10226



| ITEM | PARTS          | MATERIAL       |               |
|------|----------------|----------------|---------------|
| 1    | BODY           | ASTM A351-CF8M | ASTM A351-CF8 |
| 2    | RETAINER       |                |               |
| 3    | BALL           | ASTM A351-CF8M |               |
| 4    | SEAT A         | PTFE / RTFE    |               |
| 5    | SEAT B         |                |               |
| 6    | STEM           | AISI 316       | AISI 304      |
| 7    | THRUST WASHER  | PTFE           |               |
| 8    | PACKING        |                |               |
| 9    | GLAND RING     |                |               |
| 10   | SPRING WASHER  | AISI 304       |               |
| 11   | STEM NUT       |                |               |
| 12   | HANDLE         |                |               |
| 13   | HANDLE SLEEVE  | PVC            |               |
| 14   | LOCKING DEVICE | AISI 304       |               |

| DN | d    | L  | W   | H  |
|----|------|----|-----|----|
| 8  | 5    | 39 | 71  | 33 |
| 10 | 7    | 44 | 91  | 35 |
| 15 | 9.2  | 55 | 95  | 40 |
| 20 | 12.5 | 59 | 95  | 44 |
| 25 | 15   | 69 | 113 | 50 |
| 32 | 20   | 77 | 113 | 57 |
| 40 | 25   | 81 | 141 | 64 |
| 50 | 32   | 97 | 141 | 68 |

unit:mm

| NPS    | d    | L    | W    | H    |
|--------|------|------|------|------|
| 1/4"   | 0.2  | 1.54 | 2.8  | 1.3  |
| 3/8"   | 0.28 | 1.73 | 3.58 | 1.38 |
| 1/2"   | 0.36 | 2.17 | 3.74 | 1.57 |
| 3/4"   | 0.49 | 2.32 | 3.74 | 1.73 |
| 1"     | 0.59 | 2.72 | 4.45 | 1.97 |
| 1-1/4" | 0.79 | 3.03 | 4.45 | 2.24 |
| 1-1/2" | 0.98 | 3.19 | 5.55 | 2.52 |
| 2"     | 1.26 | 3.82 | 5.55 | 2.68 |

unit:in







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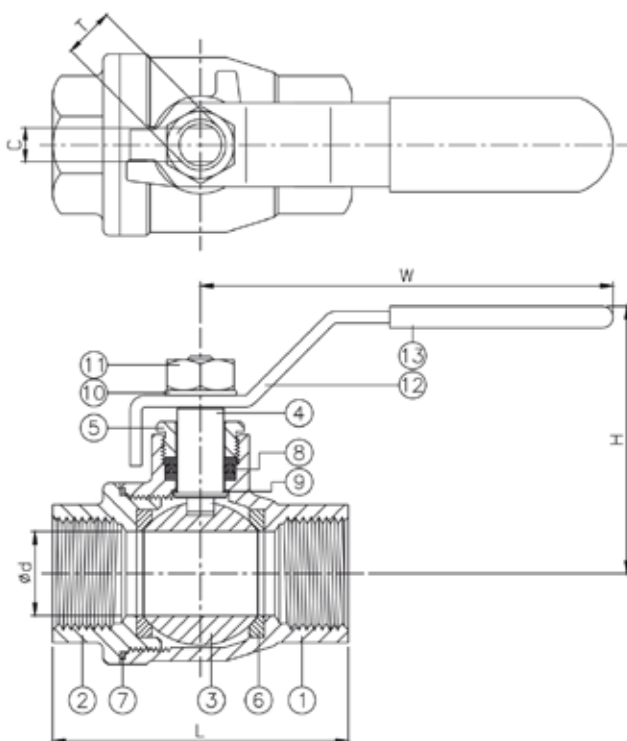
# 2-PC. SCREWED END BALL VALVE

Email: [contacto@trivecavalves.com](mailto:contacto@trivecavalves.com)  
[www.trivecavalves.com](http://www.trivecavalves.com)

## FEATURES



- Full port, 1/4"~3" (DN8~DN80)
- W.P. : 1000 WOG (PN63)
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Anti-static device (option)
- Thread type : ASME B1.20.1 (NPT)  
DIN2999 & BS21  
ISO7/1 & EN10226



| ITEM | PARTS         | MATERIAL       |               |
|------|---------------|----------------|---------------|
| 1    | BODY          | ASTM A351-CF8M | ASTM A216-WCB |
| 2    | CAP           |                |               |
| 3    | BALL          | ASTM A351-CF8M |               |
| 4    | STEM          | ASTM A276-316  |               |
| 5    | GLAND NUT     | AISI 304       |               |
| 6    | SEAT          | PTFE / RTFE    |               |
| 7    | SEAL          |                |               |
| 8    | PACKING       | PTFE           |               |
| 9    | THRUST WASHER |                |               |
| 10   | SPRING WASHER |                |               |
| 11   | NUT           | AISI 304       |               |
| 12   | HANDLE        |                |               |
| 13   | HANDLE SLEEVE | PVC            |               |

| DN | d  | L     | H     | W   | C  | T      | Torque (N-m) | Weight (kg) |
|----|----|-------|-------|-----|----|--------|--------------|-------------|
| 8  | 12 | 51.5  | 49    | 102 | 5  | 5/16"W | 4.1          | 0.2         |
| 10 | 13 | 51.5  | 49    | 102 | 5  | 5/16"W | 4.1          | 0.2         |
| 15 | 15 | 60.5  | 49    | 102 | 5  | 5/16"W | 4.9          | 0.3         |
| 20 | 20 | 70.5  | 62.5  | 120 | 6  | 3/8"W  | 7.4          | 0.5         |
| 25 | 25 | 83.5  | 75    | 158 | 8  | 7/16"W | 11.4         | 0.9         |
| 32 | 32 | 97    | 81.5  | 158 | 8  | 7/16"W | 17.9         | 1.3         |
| 40 | 38 | 107   | 99    | 188 | 9  | 1/2"W  | 21.2         | 2.2         |
| 50 | 50 | 135   | 108   | 188 | 9  | 1/2"W  | 26           | 3.5         |
| 65 | 65 | 159.5 | 136.5 | 245 | 12 | 3/4"W  | 48.6         | 6.2         |
| 80 | 80 | 185.5 | 145.5 | 245 | 12 | 3/4"W  | 156          | 10.3        |

unit:mm

| NPS    | d    | L    | H    | W    | C    | T      | Torque (in-lb) | Weight (lb) |
|--------|------|------|------|------|------|--------|----------------|-------------|
| 1/4"   | 0.47 | 2.03 | 1.93 | 4.02 | 0.2  | 5/16"W | 36             | 0.5         |
| 3/8"   | 0.51 | 2.03 | 1.93 | 4.02 | 0.2  | 5/16"W | 36             | 0.5         |
| 1/2"   | 0.59 | 2.38 | 1.93 | 4.02 | 0.2  | 5/16"W | 43             | 0.7         |
| 3/4"   | 0.79 | 2.78 | 2.46 | 4.72 | 0.24 | 3/8"W  | 65             | 1.1         |
| 1"     | 0.98 | 3.29 | 2.95 | 6.22 | 0.31 | 7/16"W | 101            | 2           |
| 1-1/4" | 1.26 | 3.82 | 3.21 | 6.22 | 0.31 | 7/16"W | 158            | 2.9         |
| 1-1/2" | 1.5  | 4.21 | 3.9  | 7.4  | 0.35 | 1/2"W  | 187            | 4.9         |
| 2"     | 1.97 | 5.31 | 4.25 | 7.4  | 0.35 | 1/2"W  | 230            | 7.7         |
| 2-1/2" | 2.56 | 6.28 | 5.37 | 9.65 | 0.47 | 3/4"W  | 430            | 13.7        |
| 3"     | 3.15 | 7.3  | 5.73 | 9.65 | 0.47 | 3/4"W  | 1380           | 22.6        |

unit:in



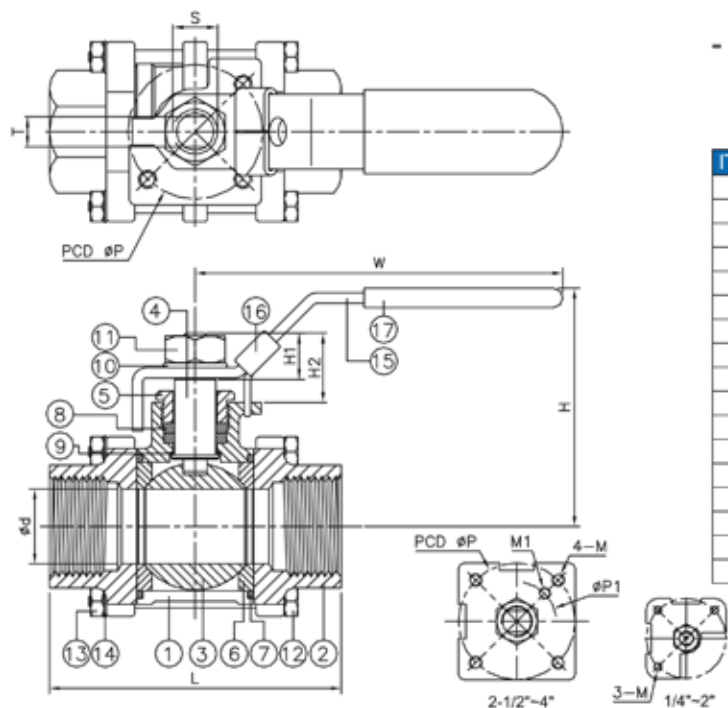
<http://www.trivisa.com.mx>

60-T017



## FEATURES

- Full port, 1/4"~4" (DN8~DN100)
- W.P. : 1000 WOG (PN63)
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Anti-static device (option)
- Locking device
- ISO 5211 Mounting pad
- **ISO 5211 direct Mounting pad**
- **2413D (option)**
- Thread type : ASME B1.20.1 (NPT)  
DIN2999 & BS21  
ISO7/1 & EN10226



| ITEM | PARTS          | MATERIAL           |
|------|----------------|--------------------|
| 1    | BODY           | ASTM A351-CF8M     |
| 2    | CAP            | ASTM A216-WCB      |
| 3    | BALL           | ASTM A351-CF8M     |
| 4    | STEM           | ASTM A276-316      |
| 5    | GLAND NUT      | AISI 304           |
| 6    | SEAT           | PTFE / RTFE / CTFE |
| 7    | SEAL           |                    |
| 8    | PACKING        | PTFE               |
| 9    | THRUST WASHER  |                    |
| 10   | SPRING WASHER  |                    |
| 11   | STEM NUT       |                    |
| 12   | BOLT           | AISI 304           |
| 13   | NUT            |                    |
| 14   | SPRING WASHER  |                    |
| 15   | HANDLE         |                    |
| 16   | LOCKING DEVICE |                    |
| 17   | HANDLE SLEEVE  | PVC                |

| DN  | d    | L     | W     | H   | H1   | H2   | P   | P1   | M    | M1  | T   | S        | Torque (N-M) | Weight (kg) |
|-----|------|-------|-------|-----|------|------|-----|------|------|-----|-----|----------|--------------|-------------|
| 8   | 11.6 | 64.5  | 119   | 56  | 11   | 15   | 36  | -    | M 5  | -   | 5   | 5/16"UNC | 4            | 0.5         |
| 10  | 12.7 | 64.5  | 119   | 56  | 11   | 15   | 36  | -    | M 5  | -   | 5   | 5/16"UNC | 4            | 0.4         |
| 15  | 15   | 66    | 119   | 57  | 11   | 15   | 36  | -    | M 5  | -   | 5   | 5/16"UNC | 4            | 0.5         |
| 20  | 20   | 83.4  | 135.5 | 63  | 14   | 19.5 | 36  | -    | M 5  | -   | 6.5 | 3/8"UNC  | 7            | 0.8         |
| 25  | 25   | 95    | 158.5 | 81  | 15.5 | 23.5 | 42  | -    | M 5  | -   | 8   | 7/16"UNC | 7.5          | 1.1         |
| 32  | 32   | 111.2 | 158.5 | 87  | 15.5 | 20   | 50  | -    | M 5  | -   | 8   | 7/16"UNC | 11           | 1.8         |
| 40  | 38   | 130   | 188   | 96  | 18   | 26   | 50  | -    | M 6  | -   | 9   | 1/2"UNC  | 17           | 2.5         |
| 50  | 50   | 151   | 198   | 109 | 18   | 26   | 70  | -    | M 8  | -   | 9   | 1/2"UNC  | 45           | 3.8         |
| 65  | 65   | 184   | 280   | 133 | 31   | 40   | 102 | 68.5 | M 12 | M10 | 12  | 3/4"UNC  | 59           | 8.8         |
| 80  | 80   | 209   | 320   | 149 | 31   | 38   | 102 | 68   | M 12 | M10 | 12  | 3/4"UNC  | 90           | 14.3        |
| 100 | 100  | 234.4 | 312   | 171 | 40   | 53   | 102 | 69   | M 12 | M10 | 16  | 1"UNC    | 160          | 23.5        |

unit:mm

| NPS    | d    | L    | W     | H    | H1   | H2   | P    | P1   | M    | M1  | T    | S        | Torque (in-lb) | Weight (lb) |
|--------|------|------|-------|------|------|------|------|------|------|-----|------|----------|----------------|-------------|
| 1/4"   | 0.46 | 2.54 | 4.69  | 2.2  | 0.43 | 0.59 | 1.42 | -    | M 5  | -   | 0.2  | 5/16"UNC | 35.4           | 1.1         |
| 3/8"   | 0.5  | 2.54 | 4.69  | 2.2  | 0.43 | 0.59 | 1.42 | -    | M 5  | -   | 0.2  | 5/16"UNC | 35.4           | 0.9         |
| 1/2"   | 0.59 | 2.6  | 4.69  | 2.24 | 0.43 | 0.59 | 1.42 | -    | M 5  | -   | 0.2  | 5/16"UNC | 35.4           | 1.1         |
| 3/4"   | 0.79 | 3.28 | 5.33  | 2.48 | 0.55 | 0.77 | 1.42 | -    | M 5  | -   | 0.26 | 3/8"UNC  | 62             | 1.8         |
| 1"     | 0.98 | 3.74 | 6.24  | 3.19 | 0.61 | 0.93 | 1.65 | -    | M 5  | -   | 0.31 | 7/16"UNC | 66.4           | 2.4         |
| 1-1/4" | 1.26 | 4.38 | 6.24  | 3.43 | 0.61 | 0.79 | 1.97 | -    | M 5  | -   | 0.31 | 7/16"UNC | 97.4           | 4           |
| 1-1/2" | 1.5  | 5.12 | 7.4   | 3.78 | 0.71 | 1.02 | 1.97 | -    | M 6  | -   | 0.35 | 1/2"UNC  | 150.5          | 5.5         |
| 2"     | 1.97 | 5.94 | 7.8   | 4.29 | 0.71 | 1.02 | 2.76 | -    | M 8  | -   | 0.35 | 1/2"UNC  | 398.3          | 8.4         |
| 2-1/2" | 2.56 | 7.24 | 11.02 | 5.24 | 1.22 | 1.57 | 4.02 | 2.7  | M 12 | M10 | 0.47 | 3/4"UNC  | 522.2          | 19.4        |
| 3"     | 3.15 | 8.23 | 12.6  | 5.87 | 1.22 | 1.5  | 4.02 | 2.68 | M 12 | M10 | 0.47 | 3/4"UNC  | 796.6          | 31.5        |
| 4"     | 3.94 | 9.23 | 12.28 | 6.73 | 1.57 | 2.09 | 4.02 | 2.72 | M 12 | M10 | 0.63 | 1"UNC    | 1416.1         | 51.8        |

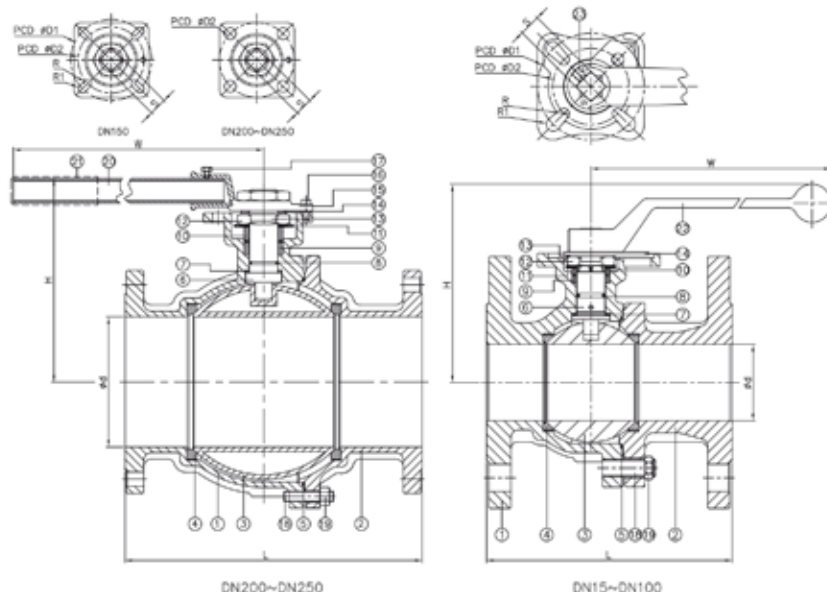
unit:in





## FEATURES

- Full port, 1/2"~10" (DN15~DN250)
- W.P. : CLASS 150/300
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Live-loading design
- Anti-static device
- Locking device
- ISO 5211 direct mounting pad
- **API 607 Fire safe approved**
- **ISO 15848 fugitive emission approved (option)**
- **Automation accessories (option)**



| ITEM | PARTS             | MATERIAL                                      |
|------|-------------------|-----------------------------------------------|
| 1    | BODY              | ASTM A351-CF8M / ASTM A216-WCB                |
| 2    | CAP               |                                               |
| 3    | BALL              | SOLID: ASTM A351-CF8M / HOLLOW: ASTM A240-316 |
| 4    | SEAT              | PTFE / RTFE                                   |
| 5    | SEAL              | GRAPHITE                                      |
| 6    | STEM              | ASTM A276-316                                 |
| 7    | THRUST WASHER     | CTFE                                          |
| 8    | O-RING            | VITON                                         |
| 9    | PACKING           | GRAPHITE                                      |
| 10   | GLAND RING        | AISI 304                                      |
| 11   | BELLEVILLE WASHER | AISI 301                                      |
| 12   | STEM NUT          |                                               |
| 13   | LOCKING WASHER    |                                               |
| 14   | FLAT WASHER       |                                               |
| 15   | HANDLE HEAD       |                                               |
| 16   | STOP PIN          | AISI 304                                      |
| 17   | BOLT              |                                               |
| 18   | STUD              |                                               |
| 19   | NUT               |                                               |
| 20   | STEEL TUBE        |                                               |
| 21   | HANDLE SLEEVE     | PVC                                           |
| 22   | HANDLE            |                                               |
| 23   | SOCKET SET SCREW  | AISI 301                                      |

- ABOVE MENTIONED MATERIALS APPLY TO FIRE SAFE DESIGN  
- ISO 15848 DESIGN SHOULD REPLACE WITH PTFE SEAL & PACKING

| DN  | d   | CLASS 150 |       |      | CLASS 300 |       |       | D1  | D2  | R    | R1   | S  | Torque(N·M) |
|-----|-----|-----------|-------|------|-----------|-------|-------|-----|-----|------|------|----|-------------|
| 15  | 15  | 108       | 85    | 190  | 140       | 84.5  | 197.5 | 42  | 36  | 2.75 | 2.75 | 9  | 5.2         |
| 20  | 20  | 117       | 89.5  | 190  | 152       | 94.5  | 197.5 | 42  | 36  | 2.75 | 2.75 | 9  | 8           |
| 25  | 24  | 127.5     | 94.2  | 190  | 165       | 99.5  | 197.5 | 50  | 42  | 2.75 | 3.5  | 11 | 12.5        |
| 32  | 30  | 140.5     | 97.9  | 190  | 178       | 105   | 197.5 | 50  | 42  | 2.75 | 3.5  | 11 | 12          |
| 40  | 38  | 165       | 120.9 | 235  | 190       | 124.5 | 247.5 | 70  | 50  | 3.5  | 4.5  | 14 | 24.5        |
| 50  | 50  | 178       | 129.9 | 235  | 216       | 129   | 247.5 | 70  | 50  | 3.5  | 4.5  | 14 | 32          |
| 65  | 64  | 190.5     | 156.3 | 325  | 241       | 154.5 | 340   | 102 | 70  | 4.5  | 5.5  | 17 | 38          |
| 80  | 76  | 203       | 163.3 | 325  | 282       | 165.5 | 340   | 102 | 70  | 4.5  | 5.5  | 17 | 45          |
| 100 | 98  | 229       | 190.9 | 325  | 305       | 188   | 340   | 125 | 102 | 5.5  | 6.5  | 22 | 55          |
| 125 | 125 | 356       | 232   | 743  | -         | -     | -     | 125 | 102 | 5.5  | 6.5  | 27 | 160         |
| 150 | 150 | 394       | 230   | 743  | 403       | 253   | 743   | 125 | 102 | 5.5  | 6.5  | 27 | 250         |
| 200 | 200 | 457       | 312   | 840  | -         | -     | -     | -   | 140 | 8.5  | -    | 36 | 470         |
| 250 | 250 | 533       | 350   | 1040 | -         | -     | -     | -   | 140 | 8.5  | -    | 36 | 750         |

unit:mm

| NPS    | d    | CLASS 150 |       |       | CLASS 300 |      |       | D1   | D2   | R    | R1   | S    | Torque(in·lb) |
|--------|------|-----------|-------|-------|-----------|------|-------|------|------|------|------|------|---------------|
| 1/2"   | 0.59 | 4.25      | 3.35  | 7.48  | 5.51      | 3.33 | 7.78  | 1.65 | 1.42 | 0.11 | 0.11 | 0.35 | 46            |
| 3/4"   | 0.79 | 4.61      | 3.52  | 7.48  | 5.98      | 3.72 | 7.78  | 1.65 | 1.42 | 0.11 | 0.11 | 0.35 | 70.8          |
| 1"     | 0.94 | 5.02      | 3.71  | 7.48  | 6.5       | 3.92 | 7.78  | 1.97 | 1.65 | 0.11 | 0.14 | 0.43 | 110.6         |
| 1-1/4" | 1.18 | 5.53      | 3.85  | 7.48  | 7.01      | 4.13 | 7.78  | 1.97 | 1.65 | 0.11 | 0.14 | 0.43 | 106.2         |
| 1-1/2" | 1.5  | 6.5       | 4.76  | 9.25  | 7.48      | 4.9  | 9.74  | 2.76 | 1.97 | 0.14 | 0.18 | 0.55 | 216.8         |
| 2"     | 1.97 | 7.01      | 5.11  | 9.25  | 8.5       | 5.08 | 9.74  | 2.76 | 1.97 | 0.14 | 0.18 | 0.55 | 283.2         |
| 2-1/2" | 2.52 | 7.5       | 6.15  | 12.8  | 9.49      | 6.08 | 13.39 | 4.02 | 2.76 | 0.18 | 0.22 | 0.67 | 336.3         |
| 3"     | 2.99 | 7.99      | 6.43  | 12.8  | 11.1      | 6.52 | 13.39 | 4.02 | 2.76 | 0.18 | 0.22 | 0.67 | 398.3         |
| 4"     | 3.86 | 9.02      | 7.52  | 12.8  | 12.01     | 7.4  | 13.39 | 4.92 | 4.02 | 0.22 | 0.26 | 0.87 | 486.8         |
| 5"     | 4.92 | 14.02     | 9.13  | 29.25 | -         | -    | -     | 4.92 | 4.02 | 0.22 | 0.26 | 1.06 | 1416.1        |
| 6"     | 5.91 | 15.51     | 9.06  | 29.25 | 15.87     | 9.96 | 29.25 | 4.92 | 4.02 | 0.22 | 0.26 | 1.06 | 2212.7        |
| 8"     | 7.87 | 17.99     | 12.28 | 33.07 | -         | -    | -     | -    | 5.51 | 0.33 | -    | 1.42 | 4159.8        |
| 10"    | 9.84 | 20.98     | 13.78 | 40.94 | -         | -    | -     | -    | 5.51 | 0.33 | -    | 1.42 | 6638          |

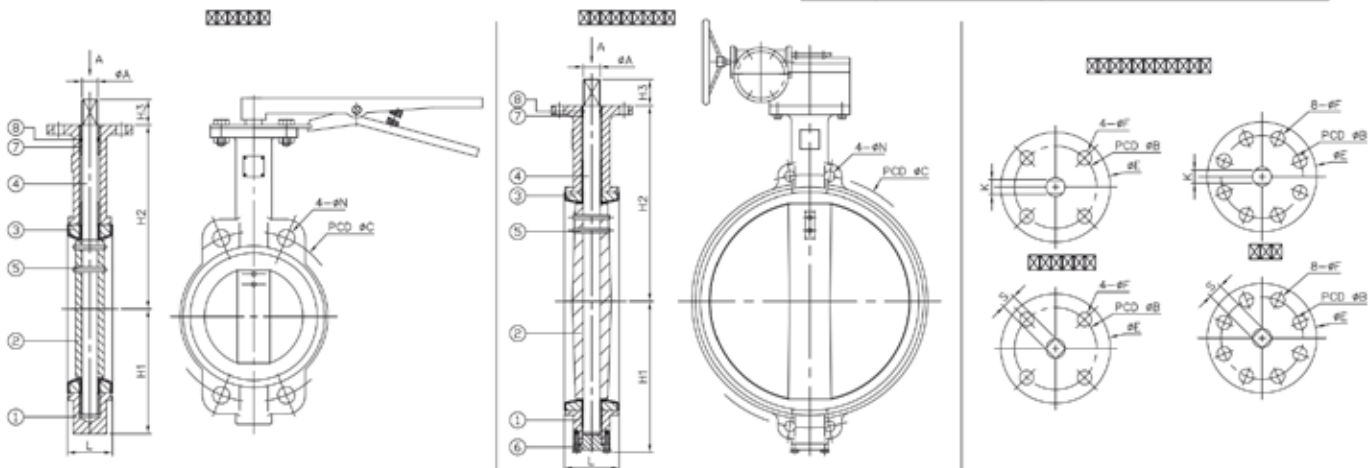
unit:in



## FEATURES

- 2"~24" (DN50~DN600)
- W.P. : PN10/16  
CLASS 125/150  
JIS 10K
- Wafer type
- Lever operator / Gear operator (option)
- High performance butterfly valve - 2014H

| ITEM | PARTS     | MATERIAL                  |
|------|-----------|---------------------------|
| 1    | BODY      | CI / DI                   |
| 2    | DISC      | DI / AL-BRONZE / AISI 316 |
| 3    | SEAT      | EPDM                      |
| 4    | STEM      | AISI 416                  |
| 5    | TAPER PIN | STAINLESS STEEL           |
| 6    | COVER     | DI                        |
| 7    | BUSHING   | PTFE                      |
| 8    | O-RING    | EPDM                      |



| DN  | H1  | H2  | H3 | L   | A     | K  | S  | C     | N  | E   | B   | F  | Torque (N-M) |
|-----|-----|-----|----|-----|-------|----|----|-------|----|-----|-----|----|--------------|
| 50  | 76  | 162 | 30 | 45  | 12.7  | 10 | 9  | 120.5 | 19 | 92  | 70  | 9  | 26.7         |
| 65  | 89  | 175 | 30 | 48  | 12.7  | 10 | 9  | 139.5 | 19 | 92  | 70  | 9  | 37.3         |
| 80  | 95  | 181 | 30 | 49  | 12.7  | 10 | 9  | 152.5 | 19 | 92  | 70  | 9  | 50.1         |
| 100 | 114 | 200 | 30 | 55  | 15.9  | 12 | 11 | 190.5 | 19 | 92  | 70  | 9  | 92.3         |
| 125 | 127 | 213 | 30 | 58  | 19.05 | 14 | 14 | 216   | 22 | 92  | 70  | 9  | 149.5        |
| 150 | 140 | 225 | 30 | 59  | 19.05 | 14 | 14 | 241.5 | 22 | 92  | 70  | 9  | 222.8        |
| 200 | 177 | 260 | 36 | 64  | 22.2  | 17 | 17 | 298.5 | 22 | 125 | 102 | 11 | 429          |
| 250 | 203 | 292 | 36 | 70  | 28.6  | 22 | 22 | 362   | 25 | 125 | 102 | 11 | 711.1        |
| 300 | 242 | 337 | 36 | 80  | 31.8  | 24 | 22 | 432   | 25 | 150 | 125 | 13 | 1034.3       |
| 350 | 267 | 368 | 45 | 80  | 31.8  | 24 | 22 | 476   | 29 | 150 | 125 | 13 | 1216.8       |
| 400 | 298 | 400 | 51 | 90  | 33.3  | 27 | 22 | 539.5 | 29 | 210 | 165 | 22 | 1726.4       |
| 450 | 318 | 422 | 51 | 109 | 38    | 27 | 27 | 578   | 32 | 210 | 165 | 22 | 2234.7       |
| 500 | 349 | 479 | 64 | 135 | 41.15 | 32 | 27 | 635   | 32 | 210 | 165 | 22 | 3193.6       |
| 600 | 410 | 562 | 71 | 156 | 50.65 | 36 | 36 | 749.5 | 35 | 300 | 254 | 18 | 5765.5       |

| NPS    | H1    | H2    | H3   | L    | A    | K    | S    | C     | N    | E     | B    | F    | Torque (in-lb) |
|--------|-------|-------|------|------|------|------|------|-------|------|-------|------|------|----------------|
| 2"     | 2.99  | 6.38  | 1.18 | 1.77 | 0.5  | 0.39 | 0.35 | 4.74  | 0.75 | 3.62  | 2.76 | 0.35 | 236.6          |
| 2-1/2" | 3.5   | 6.89  | 1.18 | 1.89 | 0.5  | 0.39 | 0.35 | 5.49  | 0.75 | 3.62  | 2.76 | 0.35 | 330.2          |
| 3"     | 3.74  | 7.13  | 1.18 | 1.93 | 0.5  | 0.39 | 0.35 | 6     | 0.75 | 3.62  | 2.76 | 0.35 | 443            |
| 4"     | 4.49  | 7.87  | 1.18 | 2.17 | 0.63 | 0.47 | 0.43 | 7.5   | 0.75 | 3.62  | 2.76 | 0.35 | 816.9          |
| 5"     | 5     | 8.39  | 1.18 | 2.28 | 0.75 | 0.55 | 0.55 | 8.5   | 0.87 | 3.62  | 2.76 | 0.35 | 1323.2         |
| 6"     | 5.51  | 8.86  | 1.18 | 2.32 | 0.75 | 0.55 | 0.55 | 9.51  | 0.87 | 3.62  | 2.76 | 0.35 | 1972.1         |
| 8"     | 6.97  | 10.24 | 1.42 | 2.52 | 0.87 | 0.67 | 0.67 | 11.75 | 0.87 | 4.92  | 4.02 | 0.43 | 3797           |
| 10"    | 7.99  | 11.5  | 1.42 | 2.76 | 1.13 | 0.87 | 0.87 | 14.25 | 0.98 | 4.92  | 4.02 | 0.43 | 6293.7         |
| 12"    | 9.53  | 13.27 | 1.42 | 3.15 | 1.25 | 0.94 | 0.87 | 17.01 | 0.98 | 5.91  | 4.92 | 0.51 | 9154.1         |
| 14"    | 10.51 | 14.49 | 1.77 | 3.15 | 1.25 | 0.94 | 0.87 | 18.74 | 1.14 | 5.91  | 4.92 | 0.51 | 10769.5        |
| 16"    | 11.73 | 15.75 | 2.01 | 3.54 | 1.31 | 1.06 | 0.87 | 21.24 | 1.14 | 8.27  | 6.5  | 0.87 | 15279.8        |
| 18"    | 12.52 | 16.61 | 2.01 | 4.29 | 1.5  | 1.06 | 1.06 | 22.76 | 1.26 | 8.27  | 6.5  | 0.87 | 19778.7        |
| 20"    | 13.74 | 18.86 | 2.52 | 5.31 | 1.62 | 1.26 | 1.06 | 25    | 1.26 | 8.27  | 6.5  | 0.87 | 28265.4        |
| 24"    | 16.14 | 22.13 | 2.8  | 6.14 | 1.99 | 1.42 | 1.42 | 29.51 | 1.38 | 11.81 | 10   | 0.71 | 51028.7        |

unit:mm

unit:in

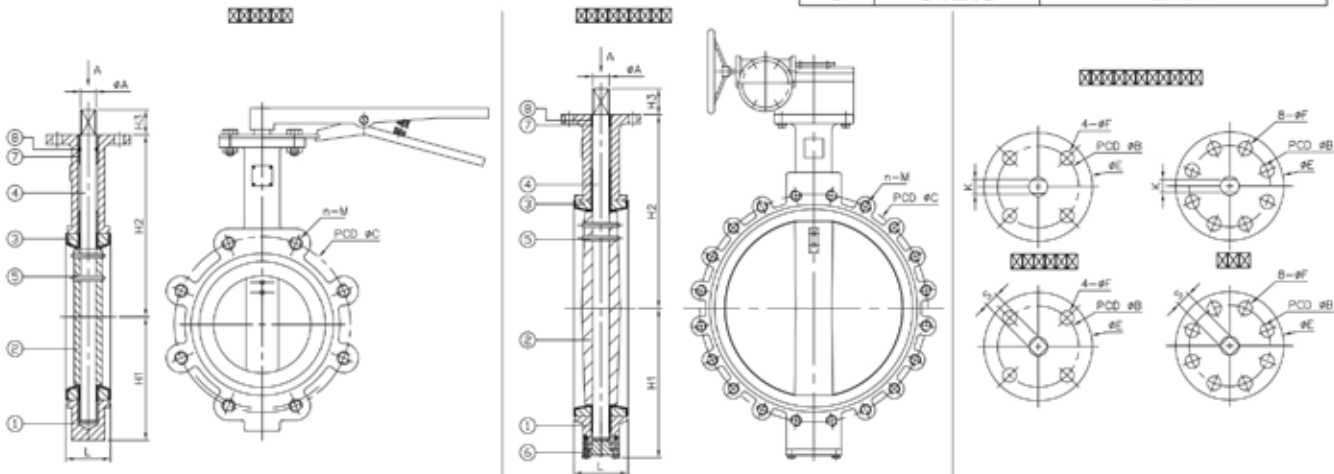




## FEATURES

- 2"~24" (DN50~DN600)
- W.P. : PN10/16  
CLASS 125/150  
JIS 10K
- Lug type
- Lever operator /  
Gear operator (option)
- High performance butterfly valve -  
2014H

| ITEM | PARTS     | MATERIAL                  |
|------|-----------|---------------------------|
| 1    | BODY      | CI / DI                   |
| 2    | DISC      | DI / AL-BRONZE / AISI 316 |
| 3    | SEAT      | EPDM / BUNA               |
| 4    | STEM      | AISI 416                  |
| 5    | TAPER PIN | STAINLESS STEEL           |
| 6    | COVER     | DI                        |
| 7    | BUSHING   | PTFE                      |
| 8    | O-RING    | EPDM                      |



| DN  | H1  | H2  | H3 | L   | A     | K  | S  | C     | n  | M        | E   | B   | F  | Torque (N-M) |
|-----|-----|-----|----|-----|-------|----|----|-------|----|----------|-----|-----|----|--------------|
| 50  | 76  | 76  | 30 | 45  | 12.7  | 10 | 9  | 120.5 | 4  | 5/8"-11  | 92  | 70  | 9  | 26.7         |
| 65  | 80  | 80  | 30 | 48  | 12.7  | 10 | 9  | 139.5 | 4  | 5/8"-11  | 92  | 70  | 9  | 37.3         |
| 80  | 95  | 95  | 30 | 49  | 12.7  | 10 | 9  | 152.5 | 4  | 5/8"-11  | 92  | 70  | 9  | 50.1         |
| 100 | 114 | 114 | 30 | 55  | 15.9  | 12 | 11 | 190.5 | 8  | 5/8"-11  | 92  | 70  | 9  | 92.3         |
| 125 | 127 | 127 | 30 | 58  | 19.05 | 14 | 14 | 216   | 8  | 3/4"-10  | 92  | 70  | 9  | 149.5        |
| 150 | 140 | 140 | 30 | 59  | 19.05 | 14 | 14 | 241.5 | 8  | 3/4"-10  | 92  | 70  | 9  | 222.8        |
| 200 | 173 | 173 | 36 | 64  | 22.2  | 17 | 17 | 298.5 | 8  | 3/4"-10  | 125 | 102 | 11 | 429          |
| 250 | 203 | 203 | 36 | 70  | 28.6  | 22 | 22 | 362   | 12 | 7/8"-9   | 125 | 102 | 11 | 711.1        |
| 300 | 237 | 237 | 36 | 80  | 31.8  | 24 | 22 | 432   | 12 | 7/8"-9   | 150 | 125 | 13 | 1034.3       |
| 350 | 279 | 279 | 45 | 80  | 31.8  | 24 | 22 | 476   | 12 | 1"-8     | 150 | 125 | 13 | 1216.8       |
| 400 | 304 | 304 | 51 | 90  | 33.3  | 27 | 22 | 539.5 | 16 | 1"-8     | 210 | 165 | 22 | 1726.4       |
| 450 | 362 | 362 | 51 | 109 | 38    | 27 | 27 | 578   | 16 | 1-1/8"-7 | 210 | 165 | 22 | 2234.7       |
| 500 | 368 | 368 | 64 | 135 | 41.15 | 32 | 27 | 635   | 20 | 1-1/8"-7 | 210 | 165 | 22 | 3193.6       |
| 600 | 444 | 444 | 70 | 156 | 50.65 | 36 | 36 | 749.5 | 20 | 1-1/4"-7 | 300 | 254 | 18 | 5765.5       |

| NPS    | H1    | H2    | H3   | L    | A    | K    | S    | C     | n  | M        | E     | B    | F    | Torque (in-lb) |
|--------|-------|-------|------|------|------|------|------|-------|----|----------|-------|------|------|----------------|
| 2"     | 2.99  | 6.38  | 1.18 | 1.77 | 0.5  | 0.39 | 0.35 | 4.74  | 4  | 5/8"-11  | 3.62  | 2.76 | 0.35 | 236.6          |
| 2-1/2" | 3.15  | 6.89  | 1.18 | 1.89 | 0.5  | 0.39 | 0.35 | 5.49  | 4  | 5/8"-11  | 3.62  | 2.76 | 0.35 | 330.2          |
| 3"     | 3.74  | 7.13  | 1.18 | 1.93 | 0.5  | 0.39 | 0.35 | 6     | 4  | 5/8"-11  | 3.62  | 2.76 | 0.35 | 443            |
| 4"     | 4.49  | 7.87  | 1.18 | 2.17 | 0.63 | 0.47 | 0.43 | 7.5   | 8  | 5/8"-11  | 3.62  | 2.76 | 0.35 | 816.9          |
| 5"     | 5     | 8.39  | 1.18 | 2.28 | 0.75 | 0.55 | 0.55 | 8.5   | 8  | 3/4"-10  | 3.62  | 2.76 | 0.35 | 1323.2         |
| 6"     | 5.51  | 8.86  | 1.18 | 2.32 | 0.75 | 0.55 | 0.55 | 9.51  | 8  | 3/4"-10  | 3.62  | 2.76 | 0.35 | 1972.1         |
| 8"     | 6.81  | 10.24 | 1.42 | 2.52 | 0.87 | 0.67 | 0.67 | 11.75 | 8  | 3/4"-10  | 4.92  | 4.02 | 0.43 | 3797           |
| 10"    | 7.99  | 11.5  | 1.42 | 2.76 | 1.13 | 0.87 | 0.87 | 14.25 | 12 | 7/8"-9   | 4.92  | 4.02 | 0.43 | 6293.7         |
| 12"    | 9.33  | 13.27 | 1.42 | 3.15 | 1.25 | 0.94 | 0.87 | 17.01 | 12 | 7/8"-9   | 5.91  | 4.92 | 0.51 | 9154.1         |
| 14"    | 10.98 | 14.49 | 1.77 | 3.15 | 1.25 | 0.94 | 0.87 | 18.74 | 12 | 1"-8     | 5.91  | 4.92 | 0.51 | 10769.5        |
| 16"    | 11.97 | 15.75 | 2.01 | 3.54 | 1.31 | 1.06 | 0.87 | 21.24 | 16 | 1"-8     | 8.27  | 6.5  | 0.87 | 15279.8        |
| 18"    | 14.25 | 16.61 | 2.01 | 4.29 | 1.5  | 1.06 | 1.06 | 22.76 | 16 | 1-1/8"-7 | 8.27  | 6.5  | 0.87 | 19778.7        |
| 20"    | 14.49 | 18.86 | 2.52 | 5.31 | 1.62 | 1.26 | 1.06 | 25    | 20 | 1-1/8"-7 | 8.27  | 6.5  | 0.87 | 28265.4        |
| 24"    | 17.48 | 22.13 | 2.76 | 6.14 | 1.99 | 1.42 | 1.42 | 29.51 | 20 | 1-1/4"-7 | 11.81 | 10   | 0.71 | 51028.7        |

unit:mm

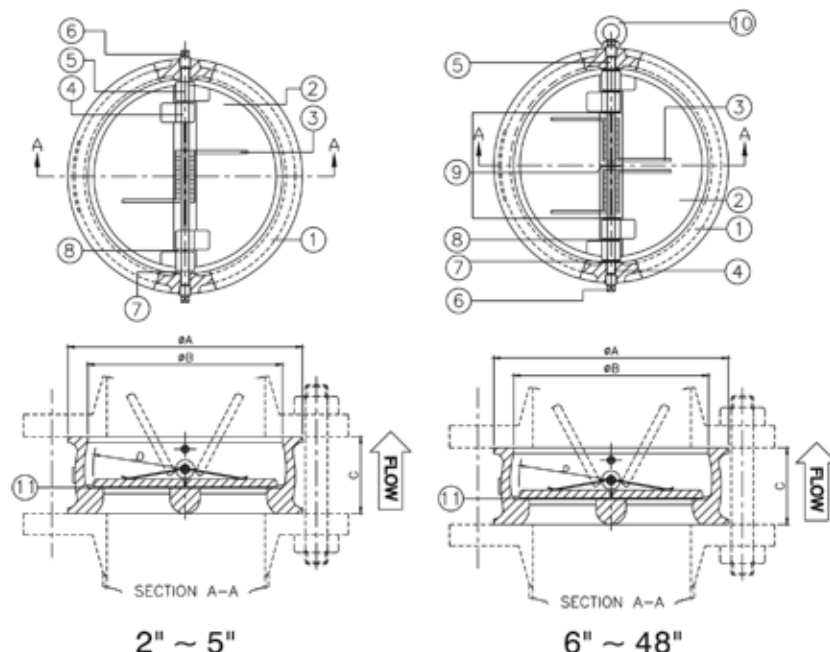
unit:in





## FEATURES

- 2"~48" (DN50~DN1200)
- W.P. : PN10/16/40  
CLASS 150/300/600
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Metal to metal (option)



| ITEM | PARTS          | MATERIAL                            |
|------|----------------|-------------------------------------|
| 1    | BODY           | ASTM A351-CF8M                      |
|      |                | ASTM A216-WCB                       |
|      |                | DUCTILE IRON                        |
| 2    | PLATE          | ASTM A216-WCB / ASTM A351-CF8       |
|      |                | ASTM A351-CF8M / ASTM A351-CF3M     |
| 3    | SPRING         | AISI 316 WPA                        |
| 4    | HINGE PIN      | AISI 304 / AISI 316                 |
| 5    | STOP PIN       |                                     |
| 6    | PLUG           | S25C                                |
| 7    | BODY BEARING   | TEFLON                              |
| 8    | PLATE BEARING  |                                     |
| 9    | SPRING BEARING |                                     |
| 10   | EYE BOLT       | SS41                                |
| 11   | BODY SEAT      | NBR / EPDM / VITON                  |
|      |                | SAME MATERIALS AS THE PLATE         |
|      |                | 410SS OVERLAY / STELLITY #6 OVERLAY |

PN16 ONLY, OTHER PRESSURE RATING PLEASE CONTACT US.

| DN   | A    | B    | C   | D   | Weight (kg) |
|------|------|------|-----|-----|-------------|
| 50   | 109  | 60   | 54  | 32  | 3           |
| 65   | 129  | 73   | 54  | 37  | 4           |
| 80   | 144  | 89   | 57  | 45  | 5           |
| 100  | 164  | 114  | 64  | 53  | 6           |
| 125  | 194  | 141  | 70  | 67  | 9           |
| 150  | 220  | 168  | 76  | 79  | 10          |
| 200  | 275  | 219  | 95  | 105 | 19          |
| 250  | 331  | 273  | 108 | 123 | 31          |
| 300  | 386  | 324  | 143 | 155 | 56          |
| 350  | 446  | 356  | 184 | 170 | 71          |
| 400  | 498  | 406  | 191 | 195 | 99          |
| 450  | 558  | 457  | 203 | 219 | 118         |
| 500  | 620  | 508  | 213 | 244 | 180         |
| 600  | 737  | 610  | 222 | 292 | 258         |
| 700  | 807  | 711  | 321 | 337 | 580         |
| 800  | 914  | 813  | 356 | 397 | 526         |
| 900  | 1014 | 914  | 368 | 440 | 656         |
| 1000 | 1131 | 1016 | 419 | 495 | 1010        |
| 1200 | 1345 | 1219 | 524 | 603 | 1926        |

unit:mm

| NPS    | A     | B     | C     | D     | Weight (kg) |
|--------|-------|-------|-------|-------|-------------|
| 2"     | 4.29  | 2.36  | 2.13  | 1.26  | 6.6         |
| 2-1/2" | 5.08  | 2.87  | 2.13  | 1.46  | 8.8         |
| 3"     | 5.67  | 3.50  | 2.24  | 1.77  | 11          |
| 4"     | 6.46  | 4.49  | 2.52  | 2.09  | 13.2        |
| 5"     | 7.64  | 5.55  | 2.76  | 2.64  | 19.8        |
| 6"     | 8.66  | 6.61  | 2.99  | 3.11  | 22          |
| 8"     | 10.83 | 8.62  | 3.74  | 4.13  | 41.9        |
| 10"    | 13.03 | 10.75 | 4.25  | 4.84  | 68.3        |
| 12"    | 15.20 | 12.76 | 5.63  | 6.10  | 123.4       |
| 14"    | 17.56 | 14.02 | 7.24  | 6.69  | 156.5       |
| 16"    | 19.61 | 15.98 | 7.52  | 7.68  | 218.2       |
| 18"    | 21.97 | 17.99 | 7.99  | 8.62  | 260.1       |
| 20"    | 24.41 | 20.00 | 8.39  | 9.61  | 396.7       |
| 24"    | 29.02 | 24.02 | 8.74  | 11.50 | 568.6       |
| 28"    | 31.77 | 27.99 | 12.64 | 13.27 | 1278.3      |
| 32"    | 35.98 | 32.01 | 14.02 | 15.63 | 1159.3      |
| 36"    | 39.92 | 35.98 | 14.49 | 17.32 | 1445.8      |
| 40"    | 44.53 | 40.00 | 16.50 | 19.49 | 2226        |
| 48"    | 52.95 | 47.99 | 20.63 | 23.74 | 4244.9      |

unit:in