



## API6D API600 WCB Steel Ball Valve With Floating Ball BV-0150-2F

Our Product Introduction

### Basic Information

- Place of Origin: CHINA
- Brand Name: DEYE
- Certification: ISO9001:2015 PED
- Model Number: DY-V-07
- Minimum Order Quantity: 10PCS
- Price: USD2-USD20000 each
- Packaging Details: carton box+ ply wooden cases or carton+ Pallets
- Delivery Time: 20 days for usual order, 7 days for stocked items
- Payment Terms: T/T, L/C, D/P
- Supply Ability: 1000pcs one month



### Product Specification

- Highlight: WCB Steel Ball Valve, API6D Steel Ball Valve, API600 ss ball valve

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## Product Description

**Ball valve** features a spherical disc to open and close the flow of the fluid. They are the industry standard for pipeline shut-off applications, as their design guarantees very tight and leak-free sealing even after years of operation. The two key types of ball valves are the floating and the trunnion designs (side or top entry). The body can be cast or forged and monolithic or split (in 2 or 3 pieces). The API 6D and ASME B16.34 are key specifications.

### Product Information / Product Description / Basis Information / Specification

|                    |                                                                                                                                                                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| API VALVE Standard | API6D Gate valve, Plug valve and Ball valve<br>API600 Bolted Bonnet Steel Gate Valves for Petroleum and Natural Gas Industries<br>API602 Forged Steel valves<br>API603 Stainless steel valve<br>API609 Butterfly valve<br>API594 Wafer, Lug check valve<br>BS1868 check valve<br>BS1873/ BS 5352 cast and forged Globe valve |
| Valve Types        | Butterfly Valves, Ball valves, gate valves, check valves, globe valves, Plug valves, strainers                                                                                                                                                                                                                               |
|                    | Ball valve with floating ball and trunnion mounted ball, Body with 1pc. 2pcs. 3pcs Split type                                                                                                                                                                                                                                |
| Size               | 1/2"-48 DN15-DN1200"                                                                                                                                                                                                                                                                                                         |
| End Connection     | Flange Ends, RF, FF, RTJ, LM, BW ends, threaded ends NPT, BSPT, BSPP, Socket Welded Ends                                                                                                                                                                                                                                     |
| Pressure Range     | CL150LBS, 300LBS, 600LBS, 800LBS 900LBS, 1500LBS, 2500LBS<br>PN6 PN10 PN16 PN25 PN40. PN64 PN110, PN160, PN250, PN420                                                                                                                                                                                                        |
| Surface            | Acid pickling, Polished, Galvanized, Painting, epoxy Power Coated                                                                                                                                                                                                                                                            |

### Material List Grade

| Ball Valves supplying scope                     |                                                                        |                      |                 |                 |               |
|-------------------------------------------------|------------------------------------------------------------------------|----------------------|-----------------|-----------------|---------------|
| Standard                                        | ANSI B16.34 / API600 / API6D/ DIN EN                                   |                      |                 |                 |               |
| Constructi<br>on                                | Side Entry type, 2-pc, 3-pc body, Top Entry Type 1 pc Body             |                      |                 |                 |               |
| Ball Type                                       | Floating Ball from size 1/2"-12", Trunnion Mounted Ball from 2"-48"    |                      |                 |                 |               |
| Connectio<br>n                                  | Flanges RF, RTJ, Threaded Ends NPT BSPT, Socket Ends, Butt Welded Ends |                      |                 |                 |               |
| Pressure                                        | 150LBS-1500LBS, 1000WOG, 2000WOG, 3000WOG                              |                      |                 |                 |               |
| Acuators                                        | Manual with lever/ Gear box; Motor elec. Actuator, pneumatic actuator  |                      |                 |                 |               |
| Materials of parts as per different Application |                                                                        |                      |                 |                 |               |
| No                                              | Part Name                                                              | Carbon Steel         | Stainless Steel | Duplex SS       | Carbon S teel |
| 1                                               | Body                                                                   | A216- WCB            | A351- CF8M      | 4A/5A           | A352- LCB     |
| 2                                               | Bonnet                                                                 | A216- WCB            | A351- CF8M      | 4A/5A           | A352- LCB     |
| 3                                               | Ball                                                                   | A105+ENP//A182- F304 | A182- F316      | SAF2205/2507    | A182- F304    |
| 4                                               | Stem                                                                   | A276- 304            | A276- 316       | SAF2205/2507    | A276- 304     |
| 5                                               | Seat                                                                   | A105+ENP             | A182- F316      | SAF2205/2507    | A350-LF2+ENP  |
| 6                                               | Seat Insert                                                            | Glass Filled PTFE    |                 |                 |               |
| 7                                               | Seat Spring                                                            | A313- 304            | Inconel X- 750  | Inconel X- 750  | A313- 304     |
| 8                                               | Seat O- Ring                                                           | NPR                  | Viton           | PTFE            | Viton         |
| 9                                               | Stem O- Ring                                                           | NBR 2)               | Viton 2)        | PTFE            | Viton 2)      |
| 10                                              | Bonnet Gasket                                                          | Graphite+304         | Graphite+316    | PTFE+2205       | Graphite+304  |
| 11                                              | Bonnet O- Ring                                                         | NBR                  | Viton           | PTFE            | Viton         |
| 12                                              | Antistatic Spring                                                      | A313- 304            | A313- 316       | SAF2205/2507    | A313- 304     |
| 13                                              | Lower Cover                                                            | A216- WCB            | A182- F316      | SAF2205/2507    | A182- F304    |
| 14                                              | Bonnet Stud                                                            | A193- B7             | A193- B8        | A193- B8        | A320- L7      |
| 15                                              | Bonnet Stud Nut                                                        | A194- 2H             | A194- 8         | A194- 8         | A194- 4       |
| 16                                              | Trunnion                                                               | A276- 304            | A276- 316       | A276- 316       | A276- 304     |
| 17                                              | Trunnion Bearing                                                       | 304+PTFE             | 316+PTFE        | 316+PTFE        | 304+PTFE      |
| 18                                              | Gland Flange                                                           | A216- WCB            | A351- CF8M      | A351- CF8M      | A352- LCB     |
| 19                                              | Gland Bolt                                                             | A193- B7             | A193- B8        | A193- B8        | A193- B7      |
| 20                                              | Stop Plate                                                             |                      | Carbon Steel+Zn | Carbon Steel+Zn | Carbon Steel  |
| 21                                              | Handle                                                                 | Carbon Steel         |                 |                 |               |

High Temperature Material CF8, 304, 304H CF8M, 316, 316H CK-20, 310, 310H WC4, WC5, F2, WC6, F11C1.2, F12C1.2, WC9, F22C1.3, C5, F5, WC4, WC5, F2, WC6, F11C1.2, F12C1.2, WC9, F22C1.3, C5, F5

Low Temperature Material A352 LCB, LCC, LC1 LC2, LC3, LC4, CF8M, CF8, CF3M  
Alloy Material: Bronze, IN Conoy, DUPLEX SS, Alloy 20, Hastelloy C 276, Hastelloy B

#### Technical Pressure Test

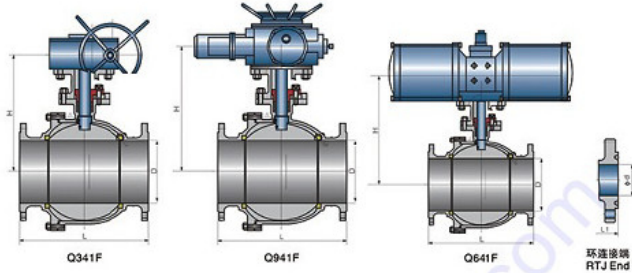
|                   |                                 |       |                                             |                                |                      |
|-------------------|---------------------------------|-------|---------------------------------------------|--------------------------------|----------------------|
| Shell Test        | 1.5xworking pressure            |       |                                             |                                |                      |
| Seal Test         | 1.1x Working Pressure           |       |                                             |                                |                      |
| air test for seal | 0.6Mpa by air                   |       |                                             |                                |                      |
| Valve Size        | Minimum Test Duration (Seconds) |       |                                             |                                |                      |
| DN                | NPS                             | Shell | Backseat (for Valves with Backseat Feature) | Closure Check Valves (API 594) | Closure Other Valves |
| ≤50               | ≤ 2"                            | 15    | 15                                          | 60                             | 15                   |
| 65 to 150         | 2 1/2" to 6"                    | 60    | 60                                          | 60                             | 60                   |
| 200 to 300        | 8"-12"                          | 120   | 60                                          | 120                            | 120                  |
| ≥350              | ≥14"                            | 300   | 60                                          | 120                            | 120                  |

a The test duration is the period of inspection aft the valve is fully prepared and is unde full pressure.

| Maximum allowable Leakage Rates for Closure Test |       |                             |                                  |                            |                           |                 |                  |
|--------------------------------------------------|-------|-----------------------------|----------------------------------|----------------------------|---------------------------|-----------------|------------------|
| Valve Size                                       |       | All Resilient Seated Valves | Metal Seated Valves Except Check |                            | Metal Seated Check Valves |                 |                  |
| DN (mm)                                          | NPS   |                             | Liquid Test (drops/minute)       | Gas. Test (bubbles/minute) | Liquid Test (cc/min)      | Gas Test (m3/h) | Gas Test (ft3/h) |
| ≤50                                              | ≤2    | 0                           | 0                                | 0                          | 6                         | 0.08            | 3                |
| 65                                               | 2 1/2 | 0                           | 5                                | 10                         | 7.5                       | 0.11            | 3.75             |
| 80                                               | 3     | 0                           | 6                                | 12                         | 9                         | 0.13            | 4.5              |
| 100                                              | 4     | 0                           | 8                                | 16                         | 12                        | 0.17            | 6                |
| 125                                              | 5     | 0                           | 10                               | 20                         | 15                        | 0.21            | 7.5              |
| 150                                              | 6     | 0                           | 12                               | 24                         | 18                        | 0.25            | 9                |
| 200                                              | 8     | 0                           | 16                               | 32                         | 24                        | 0.34            | 12               |
| 250                                              | 10    | 0                           | 20                               | 40                         | 30                        | 0.42            | 15               |
| 300                                              | 12    | 0                           | 24                               | 48                         | 36                        | 0.5             | 18               |
| 350                                              | 14    | 0                           | 28                               | 56                         | 42                        | 0.59            | 21               |
| 400                                              | 16    | 0                           | 32                               | 64                         | 48                        | 0.67            | 24               |
| 450                                              | 18    | 0                           | 36                               | 72                         | 54                        | 0.76            | 27               |
| 500                                              | 20    | 0                           | 40                               | 80                         | 60                        | 0.84            | 30               |
| 600                                              | 24    | 0                           | 48                               | 96                         | 72                        | 1.01            | 36               |
| 650                                              | 26    | 0                           | 52                               | 104                        | 78                        | 1.09            | 39               |
| 700                                              | 28    | 0                           | 56                               | 112                        | 84                        | 1.18            | 42               |
| 750                                              | 30    | 0                           | 60                               | 120                        | 90                        | 1.26            | 45               |
| 800                                              | 32    | 0                           | 64                               | 128                        | 96                        | 1.34            | 48               |
| 900                                              | 36    | 0                           | 72                               | 144                        | 108                       | 1.51            | 54               |
| 1000                                             | 40    | 0                           | 80                               | 160                        | 120                       | 1.68            | 60               |
| 1050                                             | 42    | 0                           | 84                               | 168                        | 126                       | 1.76            | 63               |
| 1200                                             | 48    | 0                           | 96                               | 192                        | 144                       | 2.02            | 72               |

a For the liquid test, 1 ml is considered equivalent to 16 drops.  
b There shall be no leakage for the minimum specified test duration . For liquid test, 0 drops means no visible leakage per minimum specified test duration. For gas test, 0 bubbles means less than 1 bubble per minimum specified test duration.

#### Ball Valves catalogue pages/Dimension List

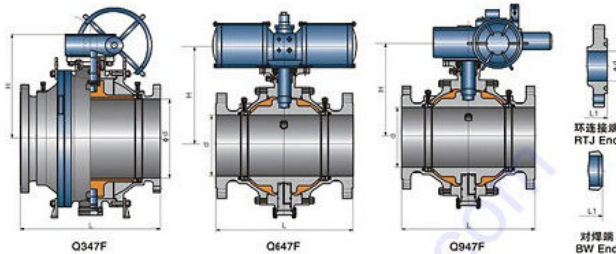


美标150Lb、300Lb球阀 Class 150-300 Cast Steel Floating Ball Valve

| 压力等级<br>Pressure | 规格 Size |       | 尺寸 Dimensions(mm) |     |     |     |       |     |      |     |       |      |     |     |     |     | 重量<br>Weight (kg) |             |
|------------------|---------|-------|-------------------|-----|-----|-----|-------|-----|------|-----|-------|------|-----|-----|-----|-----|-------------------|-------------|
|                  | DN      | NPS   | RF                | RTJ | d   | D   | D1    | D2  | B    | F   | Z-Ød0 | W    | H   | H1  | W   | H   | Weight (kg)       | Weight (kg) |
| 150LBS           | 15      | 1/2   | 108               | 119 | 14  | 89  | 60.5  | 35  | 11.5 | 1.6 | 4-15  | 140  | -   | 85  | -   | 25  | -                 | -           |
|                  | 20      | 3/4   | 117               | 130 | 19  | 98  | 70    | 43  | 11.5 | 1.6 | 4-15  | 140  | -   | 90  | -   | 3   | -                 | -           |
|                  | 25      | 1     | 127               | 140 | 25  | 108 | 79.5  | 51  | 11.5 | 1.6 | 4-15  | 150  | -   | 99  | -   | 4   | -                 | -           |
|                  | 32      | 1 1/4 | 140               | 153 | 32  | 117 | 89    | 64  | 13   | 1.6 | 4-15  | 180  | -   | 105 | -   | 5.5 | -                 | -           |
|                  | 40      | 1 1/2 | 165               | 178 | 38  | 127 | 98.5  | 73  | 14.5 | 1.6 | 4-15  | 200  | -   | 126 | -   | 8   | -                 | -           |
|                  | 50      | 2     | 178               | 191 | 51  | 152 | 120.5 | 92  | 16   | 1.6 | 4-19  | 250  | -   | 140 | -   | 11  | -                 | -           |
|                  | 65      | 2 1/2 | 190               | 203 | 64  | 178 | 139.5 | 105 | 17.5 | 1.6 | 4-19  | 300  | -   | 165 | -   | 13  | -                 | -           |
|                  | 80      | 3     | 203               | 216 | 76  | 190 | 152.5 | 127 | 19.5 | 1.6 | 4-19  | 350  | -   | 178 | -   | 17  | -                 | -           |
|                  | 100     | 4     | 229               | 242 | 102 | 229 | 190.5 | 157 | 24   | 1.6 | 8-19  | 500  | 305 | 230 | 380 | 27  | 42                | -           |
|                  | 125     | 5     | 356               | 369 | 127 | 254 | 216   | 186 | 24   | 1.6 | 8-22  | 800  | 305 | 280 | 405 | 60  | 79                | -           |
|                  | 150     | 6     | 394               | 407 | 152 | 279 | 241.5 | 216 | 25.5 | 1.6 | 8-22  | 800  | 305 | 310 | 460 | 80  | 100               | -           |
|                  | 200     | 8     | 457               | 470 | 203 | 343 | 298.5 | 270 | 29   | 1.6 | 8-22  | 1000 | 305 | 350 | 550 | 145 | 185               | -           |
|                  | 250     | 10    | 533               | 546 | 254 | 406 | 362   | 324 | 31   | 1.6 | 12-25 | -    | 400 | -   | 700 | -   | 280               | -           |
|                  | 15      | 1/2   | 140               | 151 | 14  | 95  | 66.5  | 35  | 14.5 | 1.6 | 4-15  | 140  | -   | 85  | -   | 3   | -                 | -           |
|                  | 20      | 3/4   | 152               | 165 | 19  | 117 | 82.5  | 43  | 16   | 1.6 | 4-19  | 140  | -   | 90  | -   | 5   | -                 | -           |
| 300LBS           | 25      | 1     | 165               | 178 | 25  | 124 | 89    | 51  | 17.5 | 1.6 | 4-19  | 150  | -   | 99  | -   | 6   | -                 | -           |
|                  | 32      | 1 1/4 | 178               | 191 | 32  | 133 | 98.5  | 61  | 19.5 | 1.6 | 4-19  | 180  | -   | 105 | -   | 8   | -                 | -           |
|                  | 40      | 1 1/2 | 190               | 203 | 38  | 156 | 114.5 | 73  | 21   | 1.6 | 4-22  | 200  | -   | 126 | -   | 11  | -                 | -           |
|                  | 50      | 2     | 216               | 232 | 51  | 165 | 127   | 92  | 22.5 | 1.6 | 8-19  | 250  | -   | 142 | -   | 15  | -                 | -           |
|                  | 65      | 2 1/2 | 241               | 257 | 64  | 190 | 149   | 105 | 25.5 | 1.6 | 8-22  | 300  | -   | 165 | -   | 24  | -                 | -           |
|                  | 80      | 3     | 283               | 299 | 76  | 210 | 168.5 | 127 | 29   | 1.6 | 8-22  | 350  | -   | 178 | 330 | 34  | 52                | -           |
|                  | 100     | 4     | 305               | 321 | 102 | 254 | 200   | 157 | 32   | 1.6 | 8-22  | 500  | 305 | 230 | 380 | 55  | 76                | -           |
|                  | 125     | 5     | 381               | 397 | 127 | 279 | 235   | 186 | 35   | 1.6 | 8-22  | 800  | 305 | 280 | 420 | 85  | 124               | -           |
|                  | 150     | 6     | 403               | 419 | 152 | 318 | 270   | 216 | 37   | 1.6 | 12-22 | 800  | 305 | 310 | 480 | 125 | 163               | -           |
|                  | 200     | 8     | 502               | 518 | 203 | 381 | 330   | 270 | 41.5 | 1.6 | 12-25 | 1000 | 305 | 350 | 560 | 222 | 267               | -           |

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18



美标150 - 300Lb固定铸钢球阀 Class 150-300 Trunnion Type Cast Steel Ball Valve

| 压力等级<br>Pressure | 规格 Size |     | 尺寸 Dimensions(mm) |      |     |      |        |      |      |     |         |      |      |     |       |       | 重量<br>Weight (kg) |             |
|------------------|---------|-----|-------------------|------|-----|------|--------|------|------|-----|---------|------|------|-----|-------|-------|-------------------|-------------|
|                  | DN      | NPS | RF                | BW   | d   | D    | D1     | D2   | b    | f   | Z-Ød0   | H    | H1   | W   | W     | H     | Weight (kg)       | Weight (kg) |
| 150LBS           | 100     | 4   | 229               | 305  | 102 | 229  | 190.5  | 157  | 24   | 1.6 | 8-19    | 330  | 135  | 300 | 60    | 60    | -                 | -           |
|                  | 125     | 5   | 356               | 381  | 127 | 254  | 216    | 186  | 24   | 1.6 | 8-22    | 360  | 165  | 300 | 80    | 80    | -                 | -           |
|                  | 150     | 6   | 394               | 457  | 152 | 279  | 241.5  | 216  | 25.5 | 1.6 | 8-22    | 392  | 193  | 300 | 101   | 101   | -                 | -           |
|                  | 200     | 8   | 457               | 521  | 203 | 343  | 298.5  | 270  | 29   | 1.6 | 8-22    | 492  | 240  | 300 | 168   | 168   | -                 | -           |
|                  | 250     | 10  | 533               | 559  | 254 | 406  | 362    | 324  | 31   | 1.6 | 12-25   | 548  | 293  | 300 | 283   | 283   | -                 | -           |
|                  | 300     | 12  | 610               | 635  | 305 | 483  | 432    | 381  | 32   | 1.6 | 12-25   | 688  | 340  | 400 | 463   | 463   | -                 | -           |
|                  | 350     | 14  | 686               | 762  | 337 | 533  | 476    | 413  | 35   | 1.6 | 12-29   | 722  | 372  | 400 | 622   | 622   | -                 | -           |
|                  | 400     | 16  | 762               | 838  | 387 | 597  | 540    | 470  | 37   | 1.6 | 16-29   | 722  | 415  | 400 | 900   | 900   | -                 | -           |
|                  | 450     | 18  | 864               | 914  | 438 | 635  | 578    | 533  | 40   | 1.6 | 16-32   | 804  | 462  | 500 | 1150  | 1150  | -                 | -           |
|                  | 500     | 20  | 914               | 991  | 489 | 699  | 635    | 584  | 43   | 1.6 | 20-32   | 952  | 511  | 600 | 1360  | 1360  | -                 | -           |
|                  | 600     | 24  | 1067              | 1143 | 591 | 813  | 749.5  | 692  | 48   | 1.6 | 20-35   | 1154 | 601  | 750 | 2514  | 2514  | -                 | -           |
|                  | 650     | 26  | 1143              | 1245 | 633 | 786  | 744.5  | 711  | 40   | 1.6 | 36-22   | 1300 | 700  | 750 | 3200  | 3200  | -                 | -           |
|                  | 700     | 28  | 1245              | 1346 | 684 | 837  | 795.5  | 762  | 43   | 1.6 | 40-22   | 1550 | 780  | 750 | 4000  | 4000  | -                 | -           |
|                  | 750     | 30  | 1295              | 1397 | 735 | 887  | 846    | 813  | 43   | 1.6 | 44-22   | 1650 | 830  | 750 | 4800  | 4800  | -                 | -           |
|                  | 800     | 32  | 1372              | 1524 | 779 | 941  | 900    | 864  | 44   | 1.6 | 48-22   | 1740 | 870  | 750 | 5800  | 5800  | -                 | -           |
| 300LBS           | 900     | 36  | 1524              | 1727 | 874 | 1057 | 1009.5 | 972  | 51   | 1.6 | 44-26   | 1950 | 970  | 750 | 8000  | 8000  | -                 | -           |
|                  | 100     | 4   | 305               | 305  | 102 | 254  | 200    | 157  | 32   | 1.6 | 8-22    | 340  | 140  | 300 | 70    | 70    | -                 | -           |
|                  | 125     | 5   | 381               | 381  | 127 | 279  | 238    | 186  | 35   | 1.6 | 8-22    | 370  | 170  | 300 | 95    | 95    | -                 | -           |
|                  | 150     | 6   | 403               | 457  | 152 | 318  | 270    | 216  | 37   | 1.6 | 12-22   | 402  | 192  | 300 | 128   | 128   | -                 | -           |
|                  | 200     | 8   | 502               | 521  | 203 | 381  | 330    | 270  | 41.5 | 1.6 | 12-25   | 498  | 246  | 300 | 234   | 234   | -                 | -           |
|                  | 250     | 10  | 568               | 559  | 254 | 445  | 387.5  | 324  | 48   | 1.6 | 16-29   | 655  | 303  | 400 | 403   | 403   | -                 | -           |
|                  | 300     | 12  | 648               | 635  | 305 | 521  | 451    | 381  | 51   | 1.6 | 16-32   | 658  | 348  | 400 | 602   | 602   | -                 | -           |
|                  | 350     | 14  | 762               | 762  | 337 | 584  | 514.5  | 413  | 54   | 1.6 | 20-32   | 686  | 378  | 400 | 803   | 803   | -                 | -           |
|                  | 400     | 16  | 838               | 838  | 387 | 648  | 571.5  | 470  | 58   | 1.6 | 20-35   | 880  | 429  | 600 | 1273  | 1273  | -                 | -           |
|                  | 450     | 18  | 914               | 914  | 438 | 711  | 628.5  | 533  | 61   | 1.6 | 24-35   | 1050 | 518  | 750 | 1450  | 1450  | -                 | -           |
|                  | 500     | 20  | 991               | 991  | 489 | 775  | 686    | 584  | 64   | 1.6 | 24-35   | 1110 | 540  | 750 | 1700  | 1700  | -                 | -           |
|                  | 600     | 24  | 1143              | 1143 | 591 | 914  | 813    | 692  | 70   | 1.6 | 24-41   | 1400 | 650  | 750 | 3100  | 3100  | -                 | -           |
|                  | 650     | 26  | 1245              | 1245 | 633 | 867  | 803.5  | 737  | 87   | 1.6 | 32-35.5 | 1500 | 750  | 750 | 4500  | 4500  | -                 | -           |
|                  | 700     | 28  | 1346              | 1346 | 684 | 921  | 857    | 787  | 87   | 1.6 | 36-35.5 | 1600 | 800  | 750 | 6000  | 6000  | -                 | -           |
|                  | 750     | 30  | 1397              | 1397 | 735 | 991  | 921    | 845  | 92   | 1.6 | 36-39   | 1720 | 860  | 750 | 7500  | 7500  | -                 | -           |
|                  | 800     | 32  | 1524              | 1524 | 779 | 1054 | 978    | 902  | 102  | 1.6 | 32-42   | 1600 | 900  | 750 | 9000  | 9000  | -                 | -           |
|                  | 900     | 36  | 1727              | 1727 | 874 | 1172 | 1089   | 1010 | 102  | 1.6 | 32-45   | 2200 | 1020 | 600 | 12000 | 12000 | -                 | -           |

美标600~2500Lb 固定铸钢球阀Class 600~2500 Trunnion Type Cast Steel Ball Valve

| 压力级<br>Pressure | 规格Size |       | 尺寸Dimensions(mm) |      |      |     |     |       |     |       |     |       |       |     |     |      | 重量<br>Weight<br>(kg) |
|-----------------|--------|-------|------------------|------|------|-----|-----|-------|-----|-------|-----|-------|-------|-----|-----|------|----------------------|
|                 | DN     | NPS   | RF               | RTJ  | L    | BW  | d   | D     | D1  | D2    | b   | f     | Z-ød0 | H   | H1  | W    |                      |
| 600LBS          | 50     | 2     | 292              | 295  | 292  | 51  | 165 | 127   | 92  | 26    | 6.4 | 8-19  | 240   | 94  | 300 | 32   |                      |
|                 | 65     | 2 1/2 | 330              | 333  | 330  | 64  | 190 | 149   | 105 | 29    | 6.4 | 8-22  | 290   | 115 | 300 | 47   |                      |
|                 | 80     | 3     | 356              | 359  | 356  | 76  | 210 | 168   | 127 | 32    | 6.4 | 8-22  | 340   | 136 | 300 | 68   |                      |
|                 | 100    | 4     | 432              | 435  | 432  | 102 | 273 | 216   | 157 | 38    | 6.4 | 8-25  | 358   | 152 | 300 | 106  |                      |
|                 | 125    | 5     | 508              | 511  | 508  | 127 | 330 | 268.5 | 186 | 45    | 6.4 | 8-29  | 400   | 180 | 300 | 170  |                      |
|                 | 150    | 6     | 559              | 562  | 559  | 152 | 356 | 292   | 216 | 48    | 6.4 | 12-29 | 445   | 209 | 400 | 241  |                      |
|                 | 200    | 8     | 660              | 664  | 660  | 203 | 419 | 349   | 270 | 56    | 6.4 | 12-32 | 498   | 263 | 400 | 444  |                      |
|                 | 250    | 10    | 787              | 791  | 787  | 254 | 508 | 432   | 324 | 64    | 6.4 | 16-35 | 653   | 312 | 400 | 668  |                      |
|                 | 300    | 12    | 838              | 841  | 838  | 305 | 559 | 489   | 381 | 67    | 6.4 | 20-35 | 665   | 354 | 500 | 1050 |                      |
|                 | 350    | 14    | 889              | 892  | 889  | 334 | 603 | 527   | 413 | 70    | 6.4 | 20-38 | 738   | 389 | 600 | 1317 |                      |
|                 | 400    | 16    | 991              | 994  | 991  | 385 | 686 | 603   | 470 | 77    | 6.4 | 20-41 | 920   | 440 | 750 | 1800 |                      |
|                 | 450    | 18    | 1092             | 1095 | 1092 | 436 | 743 | 654   | 533 | 83    | 6.4 | 20-44 | 1100  | 530 | 750 | 2400 |                      |
|                 | 500    | 20    | 1194             | 1200 | 1194 | 487 | 813 | 724   | 594 | 89    | 6.4 | 24-44 | 1200  | 590 | 750 | 3000 |                      |
|                 | 600    | 24    | 1397             | 1407 | 1397 | 538 | 940 | 838   | 692 | 102   | 6.4 | 24-52 | 1480  | 670 | 750 | 5400 |                      |
| 900LBS          | 50     | 2     | 368              | 371  | 368  | 51  | 216 | 165.1 | 92  | 38.5  | 6.4 | 8-26  | 250   | 98  | 300 | 45   |                      |
|                 | 65     | 2 1/2 | 419              | 422  | 419  | 64  | 244 | 190.5 | 105 | 41.5  | 6.4 | 8-29  | 300   | 120 | 300 | 55   |                      |
|                 | 80     | 3     | 381              | 384  | 381  | 76  | 241 | 190.5 | 127 | 38.5  | 6.4 | 8-26  | 345   | 140 | 300 | 94   |                      |
|                 | 100    | 4     | 457              | 460  | 457  | 102 | 292 | 234.9 | 157 | 44.5  | 6.4 | 8-32  | 415   | 162 | 300 | 141  |                      |
|                 | 125    | 5     | 559              | 562  | 559  | 127 | 349 | 279.4 | 186 | 51    | 6.4 | 8-35  | 446   | 188 | 300 | 230  |                      |
|                 | 150    | 6     | 610              | 613  | 610  | 152 | 381 | 317.5 | 216 | 56    | 6.4 | 12-32 | 477   | 213 | 400 | 325  |                      |
|                 | 200    | 8     | 737              | 740  | 737  | 203 | 470 | 393.7 | 270 | 63.5  | 6.4 | 12-39 | 520   | 270 | 400 | 580  |                      |
|                 | 250    | 10    | 838              | 841  | 838  | 254 | 545 | 469.9 | 324 | 70    | 6.4 | 16-39 | 628   | 322 | 400 | 850  |                      |
|                 | 300    | 12    | 965              | 968  | 965  | 305 | 610 | 533.4 | 381 | 79.5  | 6.4 | 20-39 | 680   | 360 | 500 | 1330 |                      |
|                 | 350    | 14    | 1029             | 1038 | 1029 | 322 | 640 | 558.8 | 413 | 86    | 6.4 | 20-42 | 750   | 400 | 600 | 1660 |                      |
|                 | 400    | 16    | 1130             | 1140 | 1130 | 373 | 705 | 615.9 | 470 | 89    | 6.4 | 20-45 | 940   | 460 | 750 | 2280 |                      |
| 1500LBS         | 40     | 1 1/2 | 305              | 305  | 305  | 38  | 178 | 123.8 | 73  | 32    | 6.4 | 4-29  | 280   | 100 | 300 | 44   |                      |
|                 | 50     | 2     | 368              | 371  | 368  | 51  | 216 | 165.1 | 92  | 38.5  | 6.4 | 8-26  | 320   | 113 | 300 | 67   |                      |
|                 | 65     | 2 1/2 | 419              | 422  | 419  | 64  | 244 | 190.5 | 105 | 41.5  | 6.4 | 8-29  | 340   | 125 | 300 | 80   |                      |
|                 | 80     | 3     | 470              | 473  | 470  | 76  | 267 | 203.2 | 127 | 48    | 6.4 | 8-32  | 385   | 138 | 300 | 130  |                      |
|                 | 100    | 4     | 546              | 549  | 546  | 102 | 331 | 241.3 | 157 | 54    | 6.4 | 8-35  | 415   | 171 | 300 | 192  |                      |
|                 | 125    | 5     | 673              | 676  | 673  | 125 | 375 | 292.1 | 186 | 73.5  | 6.4 | 8-42  | 480   | 200 | 400 | 335  |                      |
|                 | 150    | 6     | 705              | 711  | 705  | 144 | 394 | 317.5 | 216 | 83    | 6.4 | 12-39 | 580   | 222 | 400 | 475  |                      |
|                 | 200    | 8     | 832              | 841  | 832  | 192 | 483 | 393.7 | 270 | 92    | 6.4 | 12-45 | 584   | 280 | 400 | 820  |                      |
|                 | 250    | 10    | 991              | 1000 | 991  | 239 | 585 | 482.6 | 324 | 108   | 6.4 | 12-51 | 650   | 340 | 500 | 1320 |                      |
|                 | 350    | 12    | 1130             | 1146 | 1130 | 287 | 675 | 571.5 | 381 | 124   | 6.4 | 16-54 | 700   | 370 | 600 | 2050 |                      |
| 2500LBS         | 40     | 1 1/2 | 384              | 387  | 384  | 38  | 203 | 146   | 73  | 44.5  | 6.4 | 4-32  | 290   | 105 | 300 | 72   |                      |
|                 | 50     | 2     | 451              | 454  | 451  | 42  | 235 | 171.4 | 92  | 51    | 6.4 | 8-29  | 320   | 120 | 300 | 104  |                      |
|                 | 65     | 2 1/2 | 508              | 514  | 508  | 52  | 267 | 196.8 | 105 | 57.5  | 6.4 | 8-32  | 350   | 130 | 300 | 140  |                      |
|                 | 80     | 3     | 578              | 584  | 578  | 62  | 305 | 228.6 | 127 | 67    | 6.4 | 8-35  | 400   | 150 | 300 | 202  |                      |
|                 | 100    | 4     | 673              | 683  | 673  | 87  | 356 | 273   | 157 | 76.5  | 6.4 | 8-42  | 425   | 180 | 400 | 305  |                      |
|                 | 125    | 5     | 794              | 807  | 794  | 100 | 419 | 323.8 | 186 | 92.5  | 6.4 | 8-48  | 500   | 210 | 400 | 530  |                      |
|                 | 150    | 6     | 914              | 927  | 914  | 131 | 483 | 368.3 | 216 | 108   | 6.4 | 8-54  | 590   | 230 | 500 | 760  |                      |
|                 | 200    | 8     | 1022             | 1038 | 1022 | 179 | 550 | 438.1 | 270 | 127   | 6.4 | 12-54 | 610   | 290 | 500 | 1200 |                      |
|                 | 250    | 10    | 1270             | 1292 | 1270 | 223 | 673 | 539.7 | 324 | 165.5 | 6.4 | 12-67 | 660   | 350 | 600 | 2080 |                      |

注: 1. RF 表示带颈法兰, RTJ 表示环连接法兰, BW 表示对接焊连接, 2. 对于 NPS < 24 的阀门, 本表法兰尺寸按 ASME B16.5 标准。  
3. 对于 NPS > 26, 本表法兰尺寸按 ASME B16.47 标准的 B 系列, API 605 标准及 GB/T 13402 标准。根据用户要求, 法兰尺寸也可按 MSS B16.47 标准的 A 系列及 MSS SP-44 标准。  
Note: 1. RF indicates raised flange, RTJ means ring joint flange, and BW is butt welding end connection.  
2. Flange dimensions of the above table for valves of NPS < 24 conforms to ASME B 16.5.  
3. For valves of NPS > 26, the flange dimensions of above table conforms to B series of ASME B 16.47 and API 605. As required by customers, flange dimensions may also conform to A series of ASME B 16.47 and MSS-SP-44.

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20

## Application:

Valve is a universal component industrial product that is widely used in many industries, such as petroleum, petrochemical, chemical, metallurgy, power, water conservancy, urban construction, machinery, coal, food, Sea water, Oil Refining, environment, energy.  
Steam, LPG.

## Reference Standard:

API 600: cast carbon and alloy valves  
API 603: stainless steel valves  
API 602/BS 5352: forged valves  
API 6D: slab and through conduit valves for pipelines  
API 598 and BS EN 12266-1: valves testing  
ASME B16.10: face to face dimensions for valves  
ASME B16.5 and ASME B16.47: flanged connections  
ASME B16.25: butt weld connections design  
ASME B16.34: Pressure ratings pressure and temperature ratings by material grade  
ISO 7-1:1994, Pipe threads where pressure-tight joints are made on the threads — Part 1: Dimensions, tolerances and designation.  
ISO 4200:1991, Plain end steel tubes, welded and seamless — Dimensions.  
ISO 5208:1993, Industrial valves — Pressure testing of valves.  
ISO 5209:1977, General purpose industrial valves — Marking.  
ISO 5210:1991, Industrial valves — multi-turn valve actuator attachments.  
ISO 5752: — 1), Metal valves for use in flanged pipe systems — Face-to-face and center-to-face dimensions.  
ISO 6708:1995, Pipework components — Definition and selection of DN (nominal size) .  
ISO 7005-1:1992, Metallic flanges — Part 1: Steel flanges.  
ISO 7268:1983, Pipe components — Definition of nominal pressure.  
ASME B1.1:1989, Unified inch screw threads (UN and UNR thread form) .  
ASME B1.5:1988 (R1994), Acme screw threads.  
ASME B1.8:1988 (R1994), Stub Acme screw threads.  
ASME B1.12:1987 (R1992), Screw threads — Class 5 interference — Fit thread.  
ASME B1.20.1:1983 (R1992), Pipe threads, general purpose (inch) .  
ASME B16.5:1996, Pipe flanges and flanged fittings.  
ASME B16.34:1996, Valves — Flanged, threaded and welding end.  
ASME B18.2.2:1987 (R1993), Square and hex nuts (inch series) .  
ASTM A193:1996, Specification for alloy steel and stainless-steel bolting materials for high-temperature service.  
ASTM A194:1996, Specification for carbon and alloy steel nuts for bolts for high-pressure and high-temperature service.  
ASTM A307:1994, Specification for carbon steel bolts and studs, 60 000 psi tensile strength.

MSS SP-55:1985 (R1990), Quality standard for steel castings, visual surface examination.  
1) To be published. (Revision of ISO 5752:1982)

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