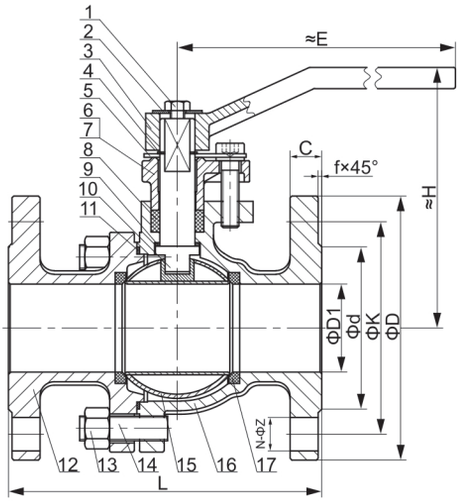
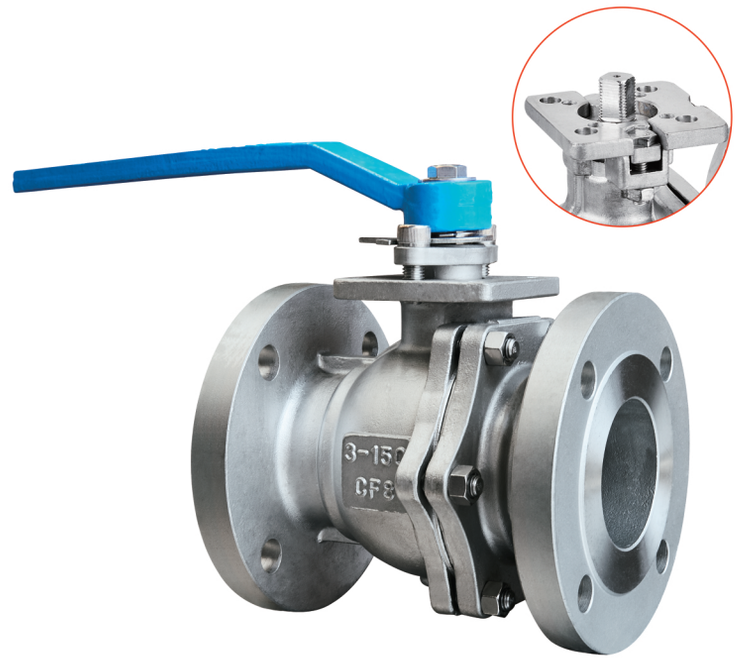
# ANSI FLANGE BALL VALVE

1/2-14 Q41F-CL150



## 技术要求 Applicable Standards

1. 设计标准 Design Rating: ASME B 16.34;
2. 结构长度 Face to Face: ASME B16.10;
3. 法兰标准 Flanged Ends: ASME B16.5;
4. 检查和试验 Inspection & Testing: API 598.

## 主要零部件材料 Main Parts and Materials

| No. | 零件名称 PAPT NAME | 材质 MATERIAL | |
|---|---|---|---|
| 1 | 螺栓 Screw | B7 | 304 |
| 2 | 垫片 Washer | 1020 | 304 |
| 3 | 手柄 Handle | WCB | |
| 4 | 挡圈 Retaining ring | 65Mn | 304 |
| 5 | 限位块 Orientation patch | 1020 | 304 |
| 6 | 螺钉 Screw | B7 | 304 |
| 7 | 填料压盖 Gland | WCB | CF8 |
| 8 | 填料 Packing | PTFE | |
| 9 | 止推垫 Thrust Gasket | PTFE | |

| No. | 零件名称 PAPT NAME | 材质 MATERIAL | |
|---|---|---|---|
| 10 | 阀杆 Stem | 304 | 304/316 |
| 11 | 密封垫 Gasket | PTFE | |
| 12 | 阀盖 Bonnet | WCB | CF8/CF8M |
| 13 | 螺母 Nut | 2H | 304 |
| 14 | 螺柱 Stud | B7 | 304 |
| 15 | 球体 Ball | 304 | 304/316 |
| 16 | 阀体 Body | WCB | CF8/CF8M |
| 17 | 阀座 Seat | PTFE | |
| | | | |

## 主要外形尺寸和连接尺寸 Main External and Connecting Dimensions

| NPS | D1 | d | K | D | C | f | N-ΦZ | L | H | E |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/2 | 15 | 34.9 | 60.3 | 90 | 2 | 10.0 | 4-16 | 108 | 79 | 125 |
| 3/4 | 20 | 42.9 | 69.9 | 100 | 2 | 10.9 | 4-16 | 117 | 82 | 125 |
| 1 | 25 | 50.8 | 79.4 | 110 | 2 | 11.6 | 4-16 | 127 | 102 | 155 |
| 1 1/4 | 32 | 63.5 | 88.9 | 115 | 2 | 13.2 | 4-16 | 140 | 106 | 155 |
| 1 1/2 | 38 | 73.0 | 98.4 | 125 | 2 | 14.7 | 4-16 | 165 | 128 | 240 |
| 2 | 50 | 92.1 | 120.7 | 150 | 2 | 16.3 | 4-19 | 178 | 135 | 240 |
| 2 1/2 | 65 | 104.8 | 139.7 | 180 | 2 | 17.9 | 4-19 | 190 | 145 | 280 |
| 3 | 78 | 127.0 | 152.4 | 190 | 2 | 19.5 | 4-19 | 203 | 160 | 320 |
| 4 | 98 | 157.2 | 190.5 | 230 | 2 | 24.3 | 8-19 | 229 | 180 | 320 |
| 5 | 123 | 185.7 | 215.9 | 255 | 2 | 24.3 | 8-22 | 356 | 252 | 530 |
| 6 | 148 | 215.9 | 241.3 | 280 | 2 | 25.9 | 8-22 | 394 | 285 | 630 |
| 8 | 198 | 269.9 | 298.5 | 345 | 2 | 29.0 | 8-22 | 457 | 385 | 800 |
| 10 | 248 | 323.8 | 362.0 | 405 | 2 | 30.6 | 12-25 | 533 | 485 | 涡轮 Turbine |
| 12 | 298 | 381.0 | 431.8 | 485 | 2 | 32.2 | 12-25 | 610 | 545 | |
| 14 | 348 | 412.8 | 476.3 | 535 | 2 | 35.4 | 12-29 | 686 | 635 | |