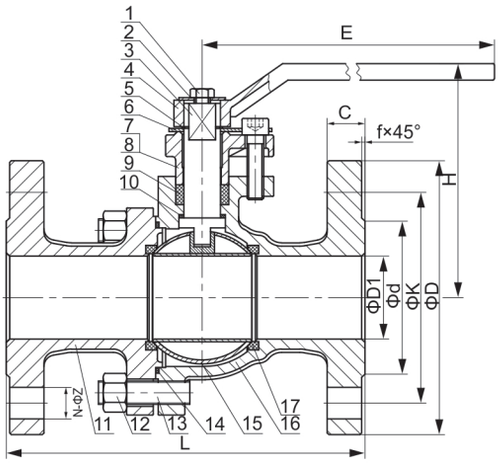
# 美标法兰球阀

## ANSI FLANGE BALL VALVE
1/2-12 Q41F-CL300



### 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 | 阀杆 Stem | 304 | 304/316 |
| 4 | 手柄 Handle | WCB | |
| 5 | 挡圈 Retaining ring | 65Mn | 304 |
| 6 | 限位块 Orientation patch | 1020 | 304 |
| 7 | 螺钉 Screw | B7 | 304 |
| 8 | 填料压盖 Gland | WCB | CF8 |
| 9 | 填料 Packing | PTFE | |

| No. | 零件名称 PAPT NAME | 材质 MATERIAL | |
|---|---|---|---|
| 10 | 止推垫 Thrust Gasket | PTFE | |
| 11 | 阀盖 Bonnet | WCB | CF8/CF8M |
| 12 | 螺母 Nut | 2H | 304 |
| 13 | 螺柱 Stud | B7 | 304 |
| 14 | 密封垫 Gasket | PTFE | |
| 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 | 66.7 | 95 | 14.7 | 2 | 4-16 | 140 | 79 | 120 |
| 3/4 | 20 | 42.9 | 82.6 | 115 | 16.3 | 2 | 4-19 | 152 | 82 | 120 |
| 1 | 25 | 50.8 | 88.9 | 125 | 17.9 | 2 | 4-19 | 165 | 109 | 150 |
| 1 1/4 | 32 | 63.5 | 98.4 | 135 | 19.5 | 2 | 4-19 | 178 | 113 | 150 |
| 1 1/2 | 38 | 73.0 | 114.3 | 155 | 21.1 | 2 | 4-22 | 190 | 143 | 230 |
| 2 | 50 | 92.1 | 127.0 | 165 | 22.7 | 2 | 8-19 | 216 | 151 | 255 |
| 2 1/2 | 65 | 104.8 | 149.2 | 190 | 25.9 | 2 | 8-22 | 241 | 176 | 280 |
| 3 | 78 | 127.0 | 168.3 | 210 | 29.0 | 2 | 8-22 | 283 | 209 | 350 |
| 4 | 98 | 157.2 | 200.0 | 255 | 32.2 | 2 | 8-22 | 305 | 228 | 350 |
| 5 | 123 | 185.7 | 235.0 | 280 | 35.4 | 2 | 8-22 | 381 | 316 | 630 |
| 6 | 148 | 215.9 | 269.9 | 320 | 37.0 | 2 | 12-22 | 403 | 353 | 830 |
| 8 | 198 | 269.9 | 330.2 | 380 | 41.7 | 2 | 12-25 | 502 | 涡轮 Turbine | |
| 10 | 248 | 323.8 | 387.4 | 445 | 48.1 | 2 | 16-29 | 568 | | |
| 12 | 298 | 381.0 | 450.8 | 520 | 51.3 | 2 | 16-32 | 648 | | |