

TC-WLF, TC-WTF VALVE

150# MULTI-PORT FLANGED 3 WAY BALL VALVE "L" PORT, "T" PORT

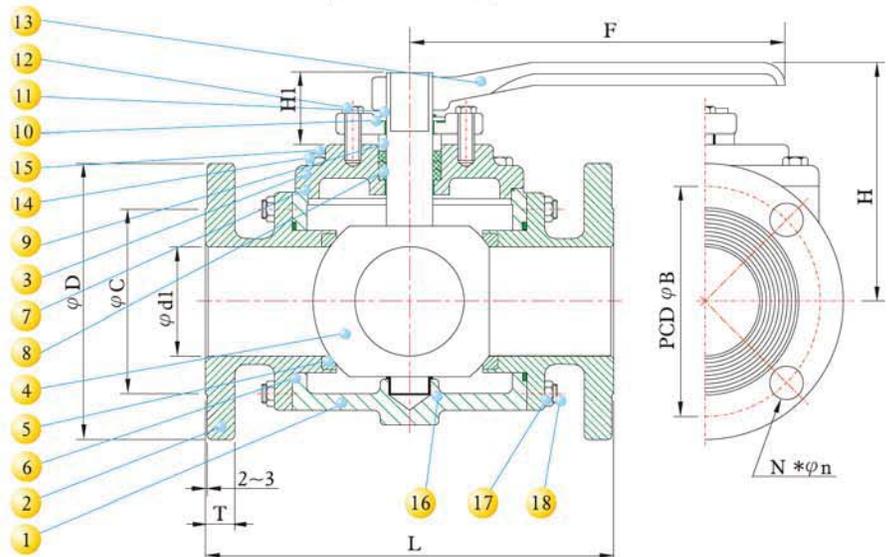
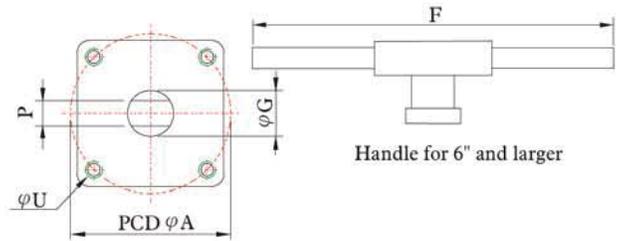


DESIGN FEATURES:

- Steam rating: 150 psi WSP
- Blow-out-proof stem design
- ISO 5211 Actuator Mounting Pad
- Body: ASTM A351 Gr.CF8M
- Ball: SS316
- Stem: SS316
- Seat: PTFE
- Temperature Range: -50° to 450° F
- Multiport design
- Flange Dimensions: ANSI B16.5 150#
- TEST STANDARD: API 598

MATERIALS LIST

| NO. | PART NAME | MATERIAL | QTY |
|-----|-----------------|-------------------|-------|
| 1 | BODY | ASTM A351 Gr.CF8M | 1 |
| 2 | FLANGED CAP | ASTM A351 Gr.CF8M | 3 |
| 3 | COVER | ASTM A351 Gr.CF8M | 1 |
| 4 | BALL & STEM | SS316 | 1 |
| 5 | BALL SEAT | PTFE | 3 |
| 6 | JOINT GASKET | PTFE | 3 |
| 7 | GASKET | PTFE | 1 |
| 8 | STEM PACKING | PTFE | 1 |
| 9 | GLAND | ASTM A351 Gr.CF8 | 1 |
| 10 | STOPPER | SS304 | 1 |
| 11 | C RETAINER RING | SK7 | 1 |
| 12 | BOLT | ASTM A193 B8 | 2 |
| 13 | HANDLE | FCD45 | 1 |
| 14 | BOLT | ASTM A193 B8 | 4~12 |
| 15 | NUT | ASTM A194 8 | 4~12 |
| 16 | SLEEVE | PTFE | 1 |
| 17 | STUD BOLT | ASTM A193 B8 | 12~24 |
| 18 | NUT | ASTM A194 8 | 12~24 |

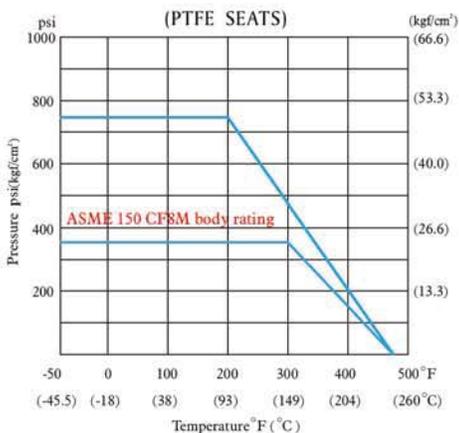


DIMENSIONS

| SIZE | A | | B | | C | | D | | d1 | | G | | H | | H1 | | |
|--------|-----|------|-----|------|-------|------|-----|-------|-----|------|-----|------|------|-------|-----|------|----|
| inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | |
| 2" | 50 | 2.76 | 70 | 4.74 | 120.5 | 3.62 | 92 | 5.98 | 152 | 1.97 | 50 | 0.87 | 22.0 | 4.80 | 122 | 1.73 | 44 |
| 2 1/2" | 50 | 2.76 | 70 | 5.49 | 139.5 | 4.13 | 105 | 7.00 | 178 | 2.60 | 66 | 1.16 | 29.5 | 6.42 | 163 | 2.56 | 65 |
| 3" | 80 | 4.02 | 102 | 6.00 | 152.5 | 5.00 | 127 | 7.48 | 190 | 2.99 | 76 | 1.16 | 29.5 | 6.34 | 161 | 2.40 | 61 |
| 4" | 100 | 4.92 | 125 | 7.50 | 190.5 | 6.18 | 157 | 9.01 | 229 | 3.98 | 101 | 1.34 | 34.0 | 8.46 | 215 | 2.20 | 56 |
| 6" | 150 | 4.92 | 125 | 9.51 | 241.5 | 8.50 | 216 | 10.98 | 279 | 5.94 | 151 | 1.77 | 45.0 | 10.08 | 256 | 3.03 | 77 |

| SIZE | L | | T | | N | n | | P | | F | U | ISO5211 | Cv Factor | Weight | | | |
|--------|------|-------|------|------|------|------|------|------|------|----|-------|---------|-----------|--------|------|-----|-------|
| | inch | mm | inch | mm | | inch | mm | inch | mm | | | | | Kg | Lb | | |
| 2" | 50 | 8.67 | 220 | 0.63 | 15.9 | 4 | 0.75 | 19 | 0.67 | 17 | 11.81 | 300 | 3/8"-16 | F07 | 500 | 16 | 35.2 |
| 2 1/2" | 50 | 11.10 | 282 | 0.69 | 17.5 | 4 | 0.75 | 19 | 0.67 | 17 | 11.81 | 300 | 7/16"-14 | F10 | 850 | 17 | 37.4 |
| 3" | 80 | 11.02 | 280 | 0.75 | 19.1 | 4 | 0.75 | 19 | 0.67 | 17 | 15.35 | 390 | 7/16"-14 | F10 | 1150 | 34 | 74.9 |
| 4" | 100 | 13.70 | 348 | 0.94 | 23.9 | 8 | 0.75 | 19 | 0.91 | 23 | 15.35 | 390 | 1/2"-12 | F12 | 2120 | 55 | 121.2 |
| 6" | 150 | 16.77 | 426 | 1.00 | 25.4 | 8 | 0.87 | 22 | 1.38 | 35 | 39.37 | 1000 | 1/2"-12 | F12 | 5100 | 136 | 299.6 |

PRESSURE TEMPERATURE RATINGS



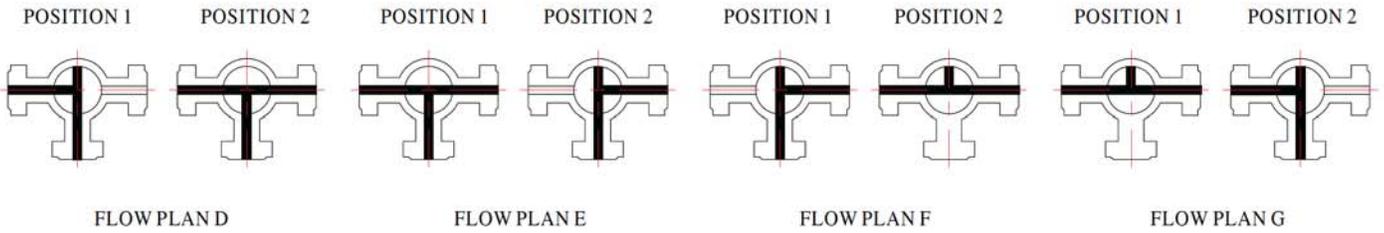
FLOW PATTERNS MULTI-PORT

3 WAY BALL VALVE "L" PORT, "T" PORT

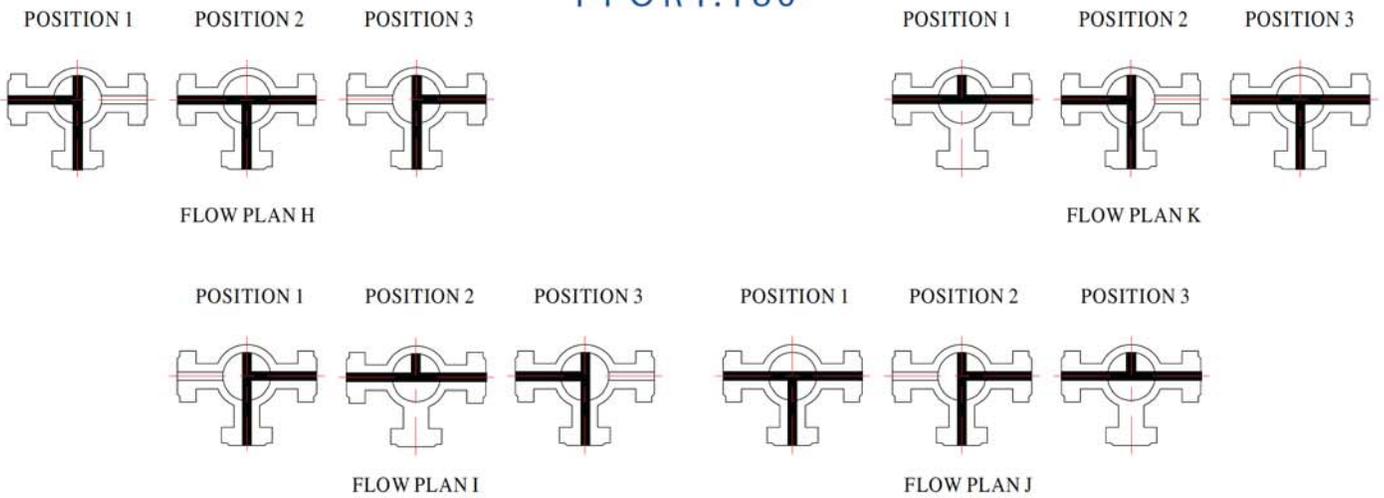
FLOW PATTERNS

All T-Port Flow Patterns can be changed in the field without disassembling valve

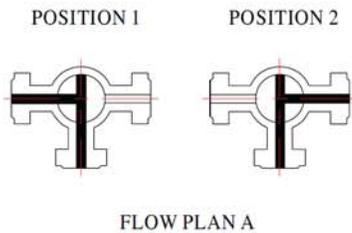
T-PORT:90°



T-PORT:180°



L-PORT:90°



L-PORT:180°

