



Titanium Tanjalum Products Limited

Estd. in 1981. An ISO 9001 - 2000 Company

| BALL VALVE TECHNICAL DATA SHEET | | | | |
|--|-------------|--------------|--------------------------|--------------------------|
| 600# FULL PORT BALL VALVE (3 PIECE CONSTRUCTION) - STUB END WITH SS LAP FLANGE | | | Model | FPBV3 600 RF |
| STANDARDS | | | | |
| Valve Design | Flange | Face to Face | Testing | Fire Test |
| BS:5351/API 608 | ASME B 16.5 | ASME B 16.10 | BS:6755 PART-1 / API 598 | BS:6755 PART-2 / API 607 |

| DRAWING | MOC | | |
|---------|----------|---------------|----------|
| | ITEM No. | DESCRIPTION | MATERIAL |
| | 1 | Body | Ti. Gr.2 |
| | 2 | Body End | |
| | 3 | Tail Piece | |
| | 4 | Stub End | |
| | 5 | Ball | |
| | 6 | Stem | |
| | 7 | Gland Bush | PTFE |
| | 8 | Gland Nut | |
| | 9 | Lever Nut | |
| | 10 | Seat Ring | |
| | 11 | Gasket | SS 316 |
| | 12 | Thrust Washer | |
| | 13 | Gland Packing | |
| | 14 | Lever | SS 316 |
| | 16 | Line Flange | |
| | 17 | Stopper Plate | |
| | 18 | Stud & Nut | |

SALIENT FEATURES

| | |
|---|--|
| * Robust Design | A rugged constructed valve with metal secondary seat for fire safe design Precision machined for control accuracy & Outstanding Service Ti ball valves are provided ready to use condition |
| * Solid Floating Ball | |
| * Reverse Stem & Secondary Metal Seat | |
| * Anti Satic Provision & Tight shut-off | |
| * Low Operational Torque & Long Life | |

DIMENSIONS

| ALL DIMENSIONS ARE IN mm UNLESS STATED | | | | | | | | | | | | | | |
|--|------|------|-----|--------|--------|-----|--------|-----|-----|-----|-----|-----|-----|--|
| Size | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" | 4" | 6" | 8" | 10" | 12" | |
| Face to Face (L) | 165 | 190 | 216 | 229 | 241 | 292 | 330 | 356 | 406 | 495 | 597 | 673 | 762 | |
| H (approx) | 65 | 80 | 100 | 125 | 135 | 160 | 175 | 200 | 225 | 320 | 390 | 425 | 470 | |

TESTING DETAILS

OPTIONS

| UNIT | HYDROSTATIC TEST | | AIR SEAT | Face to Face | DIN & BS |
|----------|------------------|------|----------|---|---|
| | SHELL | SEAT | | Flange Drilling | ANSI, BS, DIN, JIS |
| Kg/Sq.Cm | 155 | 115 | 7 | Operation | Lever, Pneumatic, Electrical actuator. Valves 6" & above are gear operated. |
| PSIG | 2220 | 1500 | 100 | * Seals & Gaskets are optional. * Metal seated valves & other MOCs offered upon request. | |

TEC:VALVE:01



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| BALL VALVE TECHNICAL DATA SHEET | | | | |
|---|-------------|--------------|--------------------------|--------------------------|
| 600# REDUCED PORT BALL VALVE (3 PIECE CONSTRUCTION) - STUB END WITH SS LAP FLANGE | | | Model | RPBV3 600 RF |
| STANDARDS | | | | |
| Valve Design | Flange | Face to Face | Testing | Fire Test |
| BS:5351/API 608 | ASME B 16.5 | ASME B 16.10 | BS:6755 PART-1 / API 598 | BS:6755 PART-2 / API 607 |

| DRAWING | MOC | | |
|---------|----------|---------------|----------|
| | ITEM No. | DESCRIPTION | MATERIAL |
| | 1 | Body | Ti. Gr.2 |
| | 2 | Body End | |
| | 3 | Tail Piece | |
| | 4 | Stub End | |
| | 5 | Ball | |
| | 6 | Stem | |
| | 7 | Gland Bush | PTFE |
| | 8 | Gland Nut | |
| | 9 | Lever Nut | |
| | 10 | Seat Ring | |
| | 11 | Gasket | SS 316 |
| | 12 | Thrust Washer | |
| | 13 | Gland Packing | |
| | 14 | Lever | SS 316 |
| | 16 | Line Flange | |
| | 17 | Stopper Plate | |
| | 18 | Stud & Nut | |

SALIENT FEATURES

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|---|--|
| * Robust Design | A rugged constructed valve with metal secondary seat for fire safe design Precision machined for control accuracy & Outstanding Service Ti ball valves are provided ready to use condition |
| * Solid Floating Ball | |
| * Reverse Stem & Secondary Metal Seat | |
| * Anti Satic Provision & Tight shut-off | |
| * Low Operational Torque & Long Life | |

DIMENSIONS

ALL DIMENSIONS ARE IN mm UNLESS STATED

| Size | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" | 4" | 6" | 8" | 10" | 12" |
|------------------|------|------|-----|--------|--------|-----|--------|-----|-----|-----|-----|-----|-----|
| Through out Bore | 9 | 12.5 | 17 | 23 | 28 | 36 | 50 | 57 | 75 | 98 | 144 | 187 | 228 |
| Face to Face (L) | 165 | 190 | 216 | 229 | 241 | 292 | 330 | 356 | 406 | 495 | 597 | 673 | 762 |
| H (approx) | 60 | 65 | 80 | 100 | 125 | 135 | 160 | 175 | 200 | 225 | 320 | 390 | 425 |

3" Reduced Port - 3 x 2 & 3 x 2 1/2

TESTING DETAILS

OPTIONS

| UNIT | HYDROSTATIC TEST | | AIR SEAT | Face to Face | DIN & BS |
|----------|------------------|------|----------|---|---|
| | SHELL | SEAT | | Flange Drilling | ANSI, BS, DIN, JIS |
| Kg/Sq.Cm | 155 | 115 | 7 | Operation | Lever, Pneumatic, Electrical actuator. Valves 6" & above are gear operated. |
| PSIG | 2220 | 1500 | 100 | * Seals & Gaskets are optional. * Metal seated valves & other MOCs offered upon request. | |

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