# Manual PTFE/PFA/FPA Lined Ball Valve

Model No. : MBV-PTFE/PFA

Discover high-quality manual PFA/ FPA/ PTFE Lined ball valves by ALIS Valves, crafted from Cast Steel, CF9, CF8M, and CF3M. Our 2-piece and 3-piece designs ensure durability and performance for diverse industrial needs. Reliable Performance in Diverse Applications

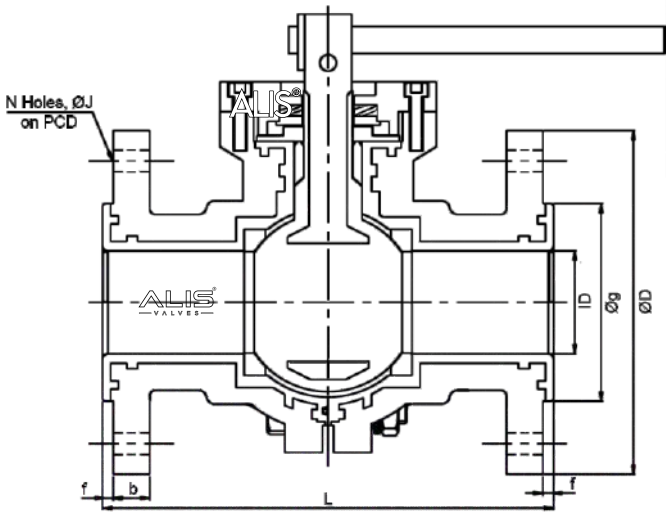



## Pressure & Temperature Rating

| | |
|---|---|
| Pressure | 150# |
| Temperature FEP | 180°C |
| Temperature PFA | 230°C |

## Parts & Components Materials

| Description | Material |
|---|---|
| Body | WCB/ DI/ CI/ SS 304/ SS 316 |
| Body Molding | FEP/ PFA |
| Ball with Shaft | WCB/ SS 304 |
| Ball molding | FEP/ PFA |
| Ball Seal | PTFE |
| Shaft Bush | PTFE |
| Shaft Washer | PTFE |
| MS Shaft Washer | MS |
| Plain Washer | MS |
| Top Plate | Spring Steel |
| Bolt Plate | SS |
| Nut | SS |
| Washer | SS |
| LN Bolt | SS |




## Test Pressure

| Testing | Body | Seat |
|---|---|---|
| Hydraulic | 20Kg/cm² | 11Kg/cm² |
| Pneum. Seat Pressure | | 6Kg/cm² |

## Dimensions

| Valve Model | Valve Size mm | Valve Size in | ID | L | ØD | Øg | b | f | N | ØJ | PCD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MPFA/MPTFE-25 | 25 | 1" | 24 | 130.5 | 108 | 55 | 12.7 | 3.5 | 4 | 16.5 | 79 |
| MPFA/MPTFE-40 | 40 | 1.1/2" | 38 | 167 | 127 | 73 | 13.5 | 3 | 4 | 15.5 | 98.2 |
| MPFA/MPTFE-50 | 50 | 2" | 49 | 178 | 152.5 | 92 | 18 | 4 | 4 | 18.5 | 121 |
| MPFA/MPTFE-65 | 65 | 2.1/2" | 61.8 | 206 | 177.75 | 104.5 | 21 | 4 | 4 | 19 | 140 |
| MPFA/MPTFE-80 | 80 | 3" | 74 | 207 | 190 | 126 | 22 | 5.5 | 6 | 19 | 152.4 |
| MPFA/MPTFE-100 | 100 | 4" | 94 | 226 | 228.5 | 158 | 22 | 5 | 6 | 19 | 190 |

All Dimensions Are In mm