# 28X BALL VALVE-REVERSIBLE HANDLE
# 28X VÁLVULA DE BOLA-MANIJA REVERSIBLE

## Features

- Reversible handle makes obstacle installation easy.
- Removable handle design for maintenance and security.
- Different color handle available for piping management.
- Multiple thermoplastic materials available for various chemical applications.
- PVC conforming to ASTM 1784 Cell Classification 12454-A. CPVC conforming to ASTM 1784 Cell Classification 23567-A. PP conforming to ASTM D4101 Cell Classification PP0210B67272.
- Comply or exceed ISO9393 standard.
- Big size single handle design for low operating torque.





Individual packaging in color box from 1/2”-2”.

## Materials

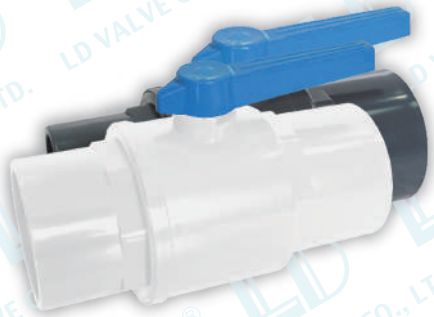
Body: PVC, CPVC, ABS, GRPP, PA-GF
Handle: PVC, ABS, GRPP, PA-GF
Seat: TPE, EPDM, PTFE
O-ring: EPDM, FKM(FPM)
Ball: PVC, CPVC, ABS, GRPP
Stem: PVC, CPVC, ABS, GRPP, POM

## Standards

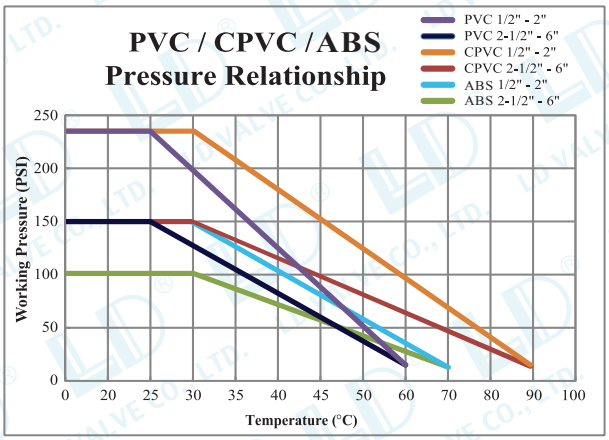
Socket: ASTM, DIN, JIS, BS, NTP
Thread: NPT, BSPT, NPS, BSP
Flange: ANSI, DIN, ISO, JIS, TABLE D&E
Hose: D2609
Male camlock: EN 14420-7



2-1/2”-3”



4”-6”

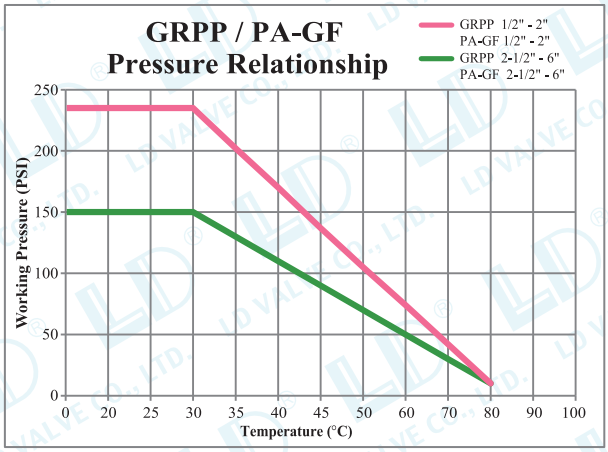


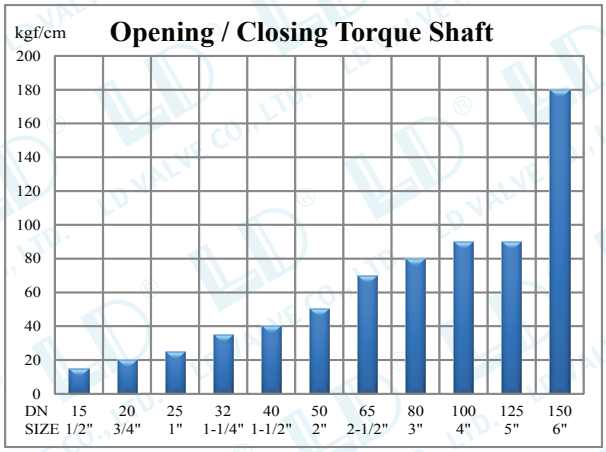

| Valve Size | 1/2” | 3/4” | 1” | 1-1/4” | 1-1/2” | 2” | 2-1/2” | 3” | 4” | 5” | 6” |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Factor | 12 | 32 | 52 | 84 | 138 | 235 | 384 | 516 | 864 | 720 | 1320 |

### Pressure Loss Calculation Formula

$$\triangle P = \left[\frac{Q}{Cv}\right]^2$$

$\triangle P$ = Pressure Drop
$Q$ = Flow in GPM
$Cv$ = Flow Coefficient



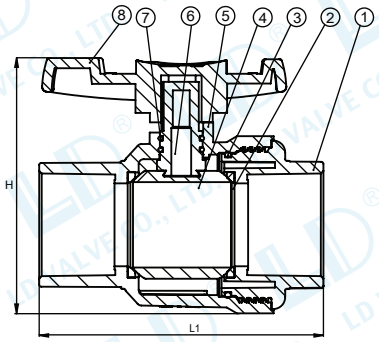





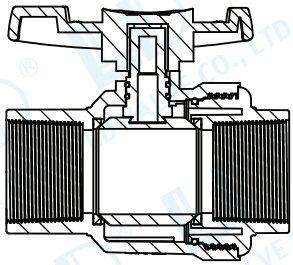

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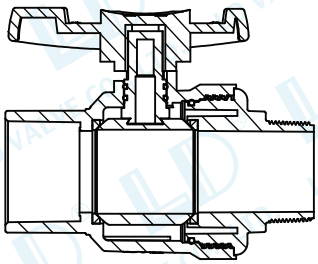
### LD-280 FS x FS



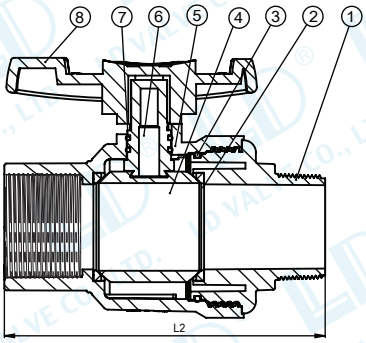

### LD-281 FT x FT



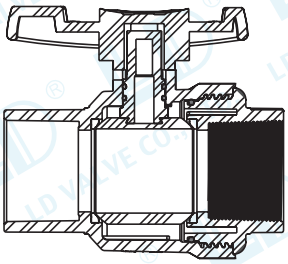
### LD-282 FS x MT



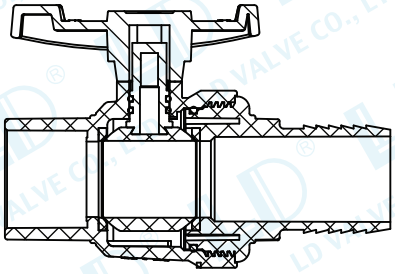
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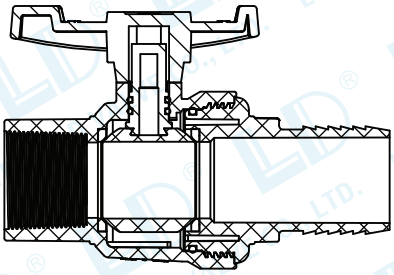

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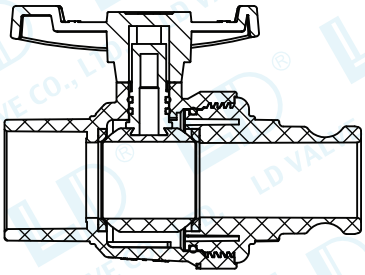
### LD-286 FS x H



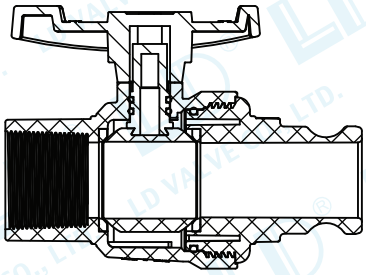
### LD-287 FT x H



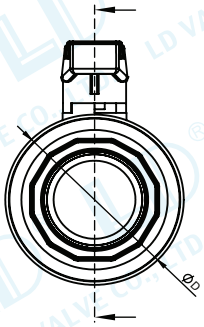
### LD-288 FS x MC



### LD-289 FT x MC



*FS - Female Socket
FT - Female Threaded
MT - Male Threaded
H - Hose
MC - Male Camlock




| NO. | PARTS NAME | MATERIALS | PCS |
|---|---|---|---|
| 1 | END CONNECTOR | PVC/CPVC/ABS/GRPP/PA-GF | 1/2 |
| 2 | SEAT | TPE/EPDM/PTFE | 2 |
| 3 | O-RING | EPDM/FKM(FPM) | 1/2 |
| 4 | BALL | PVC/CPVC/ABS/GRPP | 1 |
| 5 | BODY | PVC/CPVC/ABS/GRPP/PA-GF | 1 |
| 6 | STEM | PVC/CPVC/ABS/GRPP/POM | 1 |
| 7 | O-RING | EPDM/FKM(FPM) | 2/3 |
| 8 | HANDLE | PVC/ABS/GRPP/PA-GF | 1 |

Tolerance ± 5%

| Size | | H | L1 | L2 | ØD | ANSI | BS | DIN | JIS | NPT | NPS | BSPT | BSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inch | DN(mm) | mm | mm | mm | mm | mm | mm | mm | mm | thd/in | thd/in | thd/in | thd/in |
| 1/2" | 15 | 79 | 85 | 100 | 48 | 21.34 | 21.34 | 20 | 22 | 14 | 14 | 14 | 14 |
| 3/4" | 20 | 86 | 98 | 110 | 55 | 26.67 | 26.67 | 25 | 26 | 14 | 14 | 14 | 14 |
| 1" | 25 | 96 | 111 | 126 | 64 | 33.4 | 33.4 | 32 | 32 | 11.5 | 11.5 | 11 | 11 |
| 1-1/4" | 32 | 113 | 125 | 141 | 77 | 42.16 | 42.16 | 40 | 38 | 11.5 | 11.5 | 11 | 11 |
| 1-1/2" | 40 | 130 | 143 | 159 | 88 | 48.26 | 48.26 | 50 | 48 | 11.5 | 11.5 | 11 | 11 |
| 2" | 50 | 151 | 168 | 183 | 105 | 60.33 | 60.33 | 63 | 60 | 11.5 | 11.5 | 11 | 11 |
| 2-1/2" | 65 | 174 | 246 | 296 | 129 | 73.03 | 76.1 | 75 | 76 | 8 | 8 | 11 | 11 |
| 3" | 80 | 199 | 271 | 323 | 152 | 88.9 | 88.9 | 90 | 89 | 8 | 8 | 11 | 11 |
| 4" | 100 | 235 | 344 | 400 | 180 | 114.3 | 114.3 | 110 | 114 | 8 | 8 | 11 | 11 |
| 6" | 150 | 300 | 471 | – | 237 | 168.28 | 168.28 | 160 | 165 | 8 | 8 | 11 | 11 |

Product design may change without notification for our ongoing commitment to product improvement.