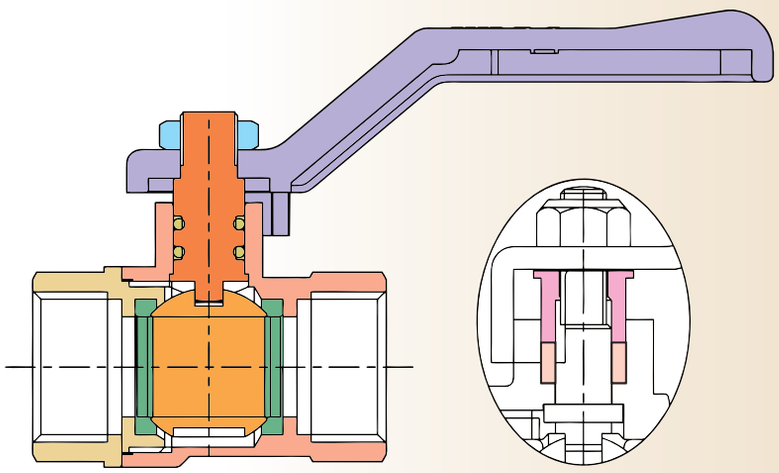
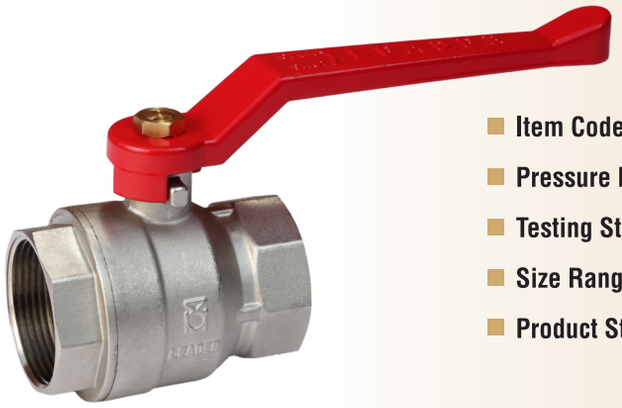
# FORGED BRASS

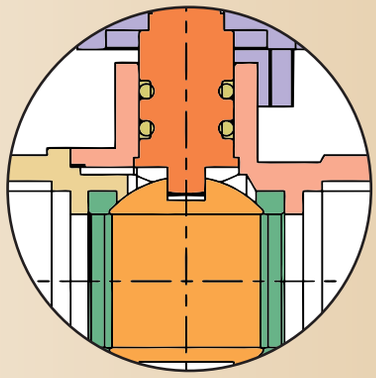
# FULL BORE BALL VALVE



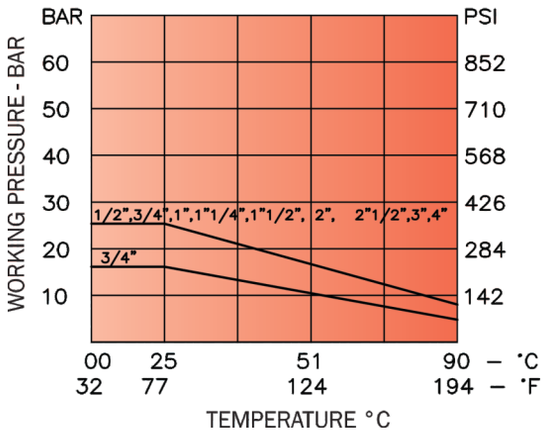
| | |
|---|---|
| BODY | 1 |
| BALL | 2 |
| SEAT | 3 |
| END CONNECTOR | 4 |
| STEM | 5 |
| 'O' RING | 6 |
| NUT | 7 |
| LEVER | 8 |
| PACKING | 9 |
| GLAND NUT | 10 |



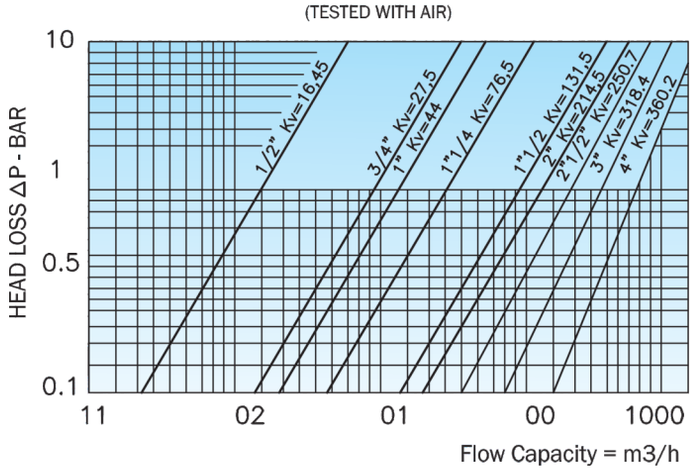
- **Item Code:** GM200
- **Pressure Rating:** PN-25
- **Testing Standard:** BSEN 12266 Part-1
- **Size Range:** 8mm to 100mm
- **Product Standard:** Mfg. Standard



PRESSURE/TEMPERATURE DIAGRAM
(TESTED WITH WATER)




HEAD LOSS DIAGRAM
(TESTED WITH AIR)




Note : The above data is subject to change without notice due to our continuing product improvement program.

## PRINCIPAL FEATURES

- Screwed Female Ends to BS:21 / IS : 554.
- Full bore, Two Piece Design.
- Quarter Turn, lever operated with Low torque & stipulated leverage.
- Provided with forged brass hard chrome plated ball.
- Anti blow-out stem design feature which gives further assurance against the accidental blow-out of the stem.
- Premium quality PTFE seating.
- Nickel plated finish body & connector.
- Extra strength of stem with high tensile brass.
- Gland less design, stem sealing by double seal O ring ensures zero leakage from the stem.
- Replaceable & virgin oil free PTFE Rings for smooth operation.
- Anti corrosive SS / Brass Stem Nut provided for trouble free operation of the Lever.
- Aluminium Lever avoids rusting of the lever in corrosive environment.
- Position indication of open / close embossed on the lever.

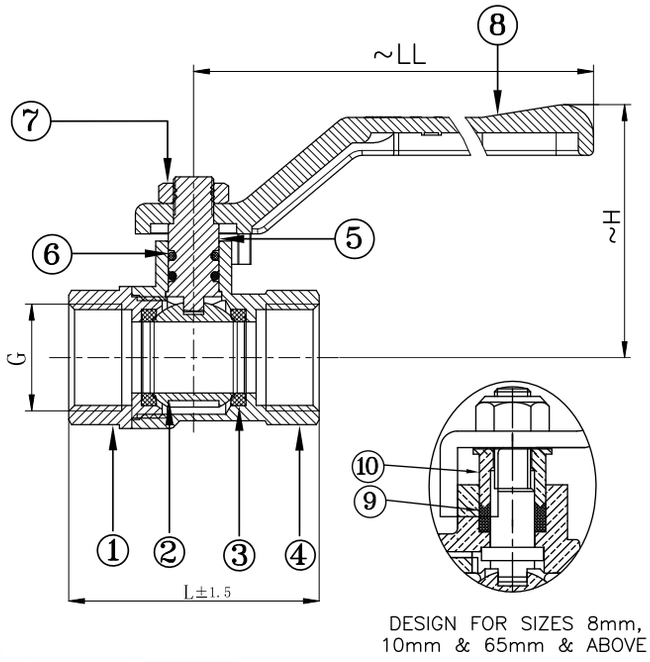
## TEMPERATURE LIMITS

- Maximum working temperature: 100°C.
- See Pressure / Temperature Diagram.

## PRESSURE RATING: PN-25

**TEST PRESSURE (Hydrostatic)**

| BODY | SEAT |
|---|---|
| 30 Bar | 22 Bar |




DESIGN FOR SIZES 8mm, 10mm & 65mm & ABOVE

## SUITABLE FOR

| Water | Oil | Air | Gases |
|---|---|---|---|
| ✓ | | ✓ | |

## END CONNECTION

- Screwed Female BSP Parallel Threads.

## UTILISATION & SERVICE

- "LEADER" Forged Brass Ball Valve are suitable for treated fresh water & air.

## WORKING PRESSURE

- Maximum Working Pressure: 20 Bar.
- See Pressure / Temperature Diagram.

## DIMENSIONAL DATA

| SIZE (mm) | 8 | 10 | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L | 37 | 40.3 | 49.5 | 55.9 | 63 | 77 | 85 | 103 | 121.5 | 137 | 164.5 |
| ~H | 44 | 44 | 49.9 | 53.4 | 61.3 | 74.8 | 81.5 | 102.7 | 119 | 135 | 150 |
| ~LL | 83.5 | 83.5 | 120 | 133.5 | 133.5 | 160 | 160 | 200 | 220 | 275 | 275 |
| G | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" | 4" |
| Item Code | GM200 | GM200 | GM200 | GM200 | GM200 | GM200 | GM200 | GM200 | GM200 | GM 200 | GM 200 |

## MATERIAL SPECIFICATION

| P.No. | NAME OF PART | MATERIAL | SPECIFICATION |
|---|---|---|---|
| 1 | BODY | NI-PLATED FORGED BRASS | DIN EN 12156 CW 617N |
| 2 | BALL | BRASS CHROME PLATED | DIN EN 12156 CW 617N |
| 3 | SEAT | PTFE | — |
| 4 | END CONNECTOR | NI-PLATED FORGED BRASS | DIN EN 12156 CW 617N |
| 5 | STEM | HIGH TENSILE BRASS | IS 6912 Gr. FHTB1 |
| 6 | 'O' RING | RUBBER | — |
| 7 | NUT | H.T. BRASS / STAINLESS STEEL | — |
| 8 | LEVER | ALUMINIUM / MS PVC INSULATED (POWDER COATED) | |
| 9 | PACKING | PTFE | — |
| 10 | GLAND NUT | BRASS / STAINLESS STEEL | — |

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