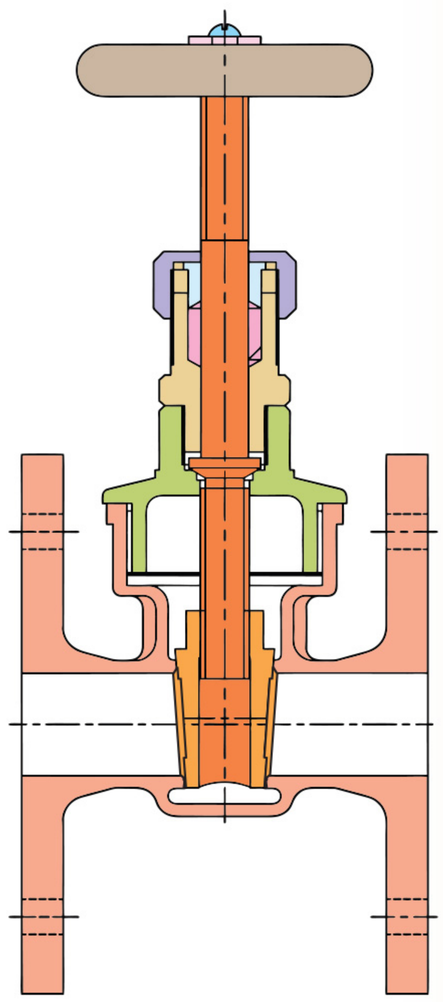
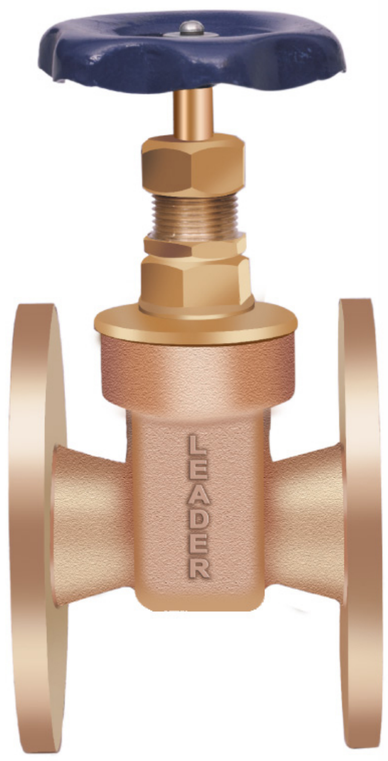
GUN METAL/BRONZE

IS778
CM/L-0485757

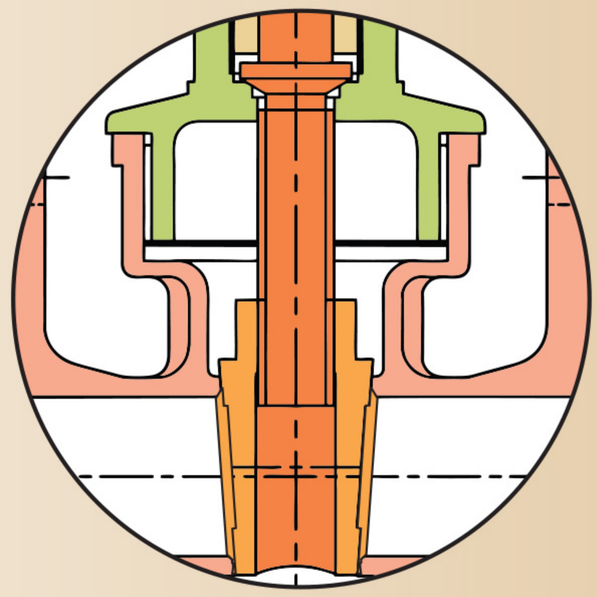
GATE VALVE



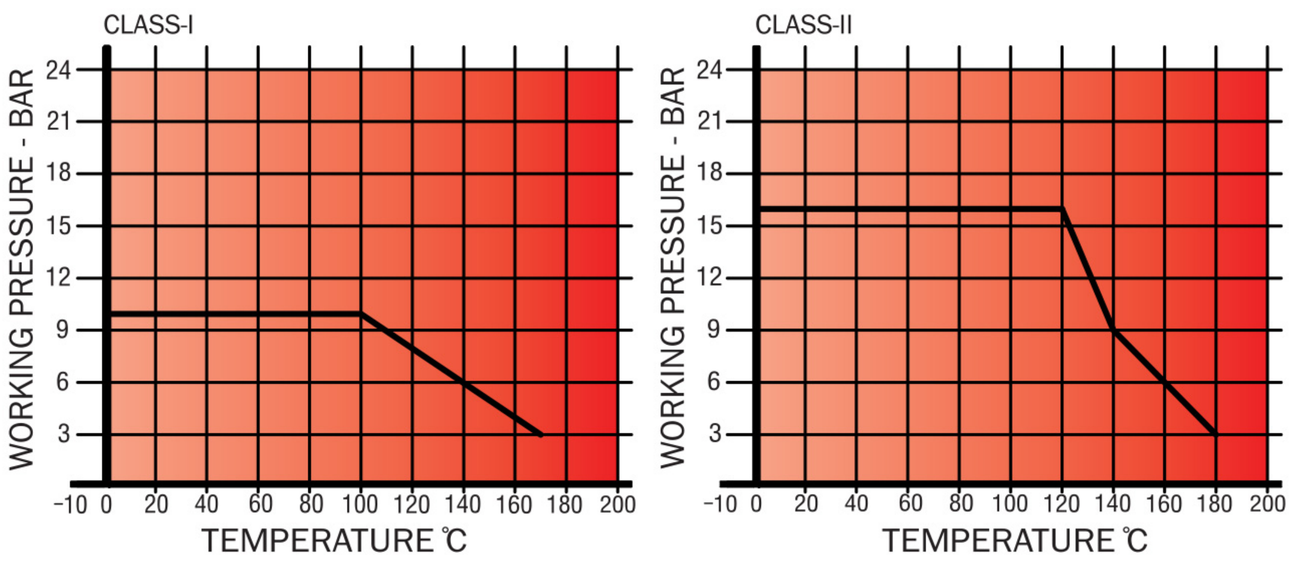
BODY	1	
WEDGE	2	
STEM	3	
BONNET	4	
STUFFING BOX	5	
PACKING	6	
GLAND	7	
GLAND NUT	8	
HAND WHEEL	9	
WASHER	10	
SET SCREW	11	

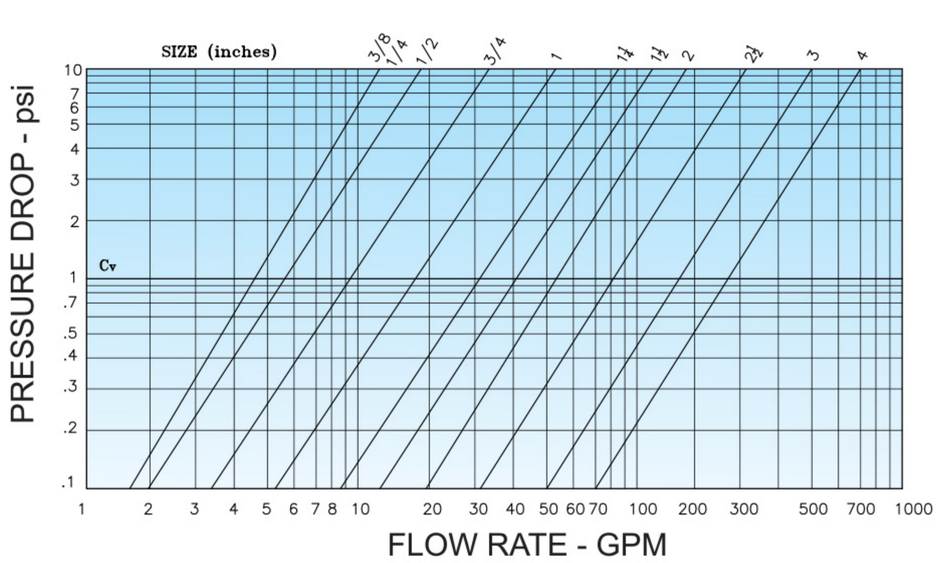


- **Item Code:** IS 004 & IS 010
- **Pressure Rating:** CL-1 & CL-2
- **Testing Standard:** IS 6157
- **Size Range:** 15mm to 100mm
- **Product Standard:** IS 778



PRESSURE/TEMPERATURE DIAGRAM

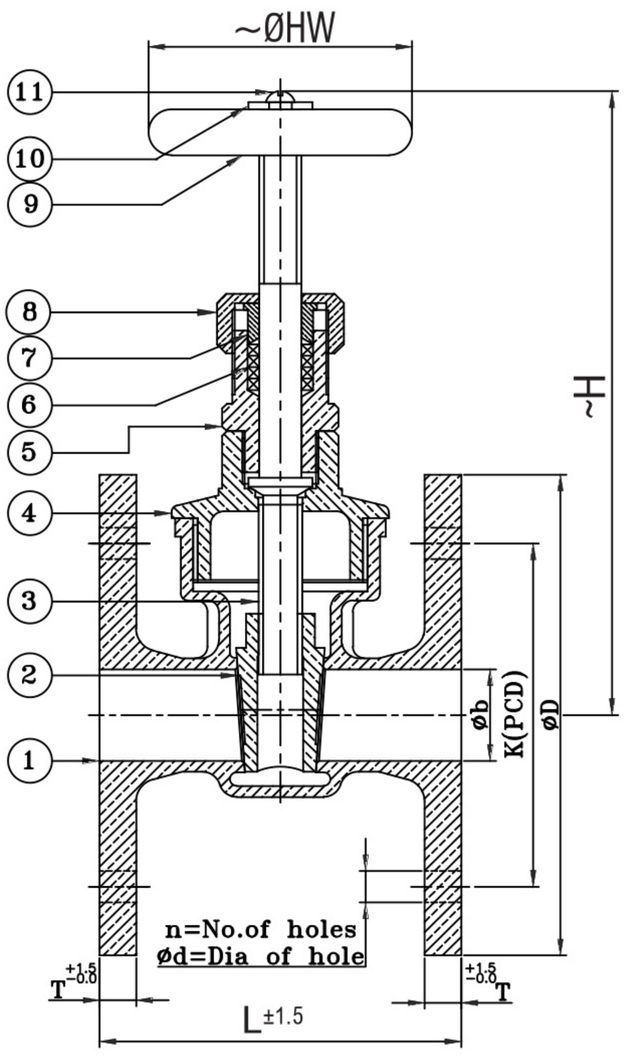




Note : The above data is subject to change without notice due to our continuing product improvement program.

PRINCIPAL FEATURES

- Design Std.: IS:778.
- Screwed in bonnet, inside screw non-rising stem, integral seat.
- Flanged ends as per IS 778.
- Heavy duty full bore.
- Extra strength of stem with high tensile brass.
- Provision for repacking under pressure in the installed condition.
- Sheet metal handwheel offers better strength & convenient operation.
- Easy visual control of open / closed position marked on the handwheel / name plate.
- Available with open-shut indicator & locking arrangement on request.



END CONNECTION

- Flanges as per IS:778 Class-I / Class-II,FF.

UTILISATION & SERVICE

- "LEADER" Gun Metal Gate valves are suitable for above-ground installations.
- Best suited for potable water, treated fresh water, neutral liquids & some gases.

WORKING PRESSURE

- Maximum Working Pressure: (Class-I) 10 Bar, (Class-II) 16 Bar.
- See Pressure / Temperature Diagram.

TEMPERATURE LIMITS

- Maximum working temperature: 45°C.
- See Pressure / Temperature Diagram.

PRESSURE RATING: CL-1 & CL-2

TEST PRESSURE (Hydrostatic)	
CLASS - 1	
BODY	SEAT
1.5 Mpa (217.5 psig)	1.0 Mpa (145 psig)

TEST PRESSURE (Hydrostatic)	
CLASS - 2	
BODY	SEAT
2.4 Mpa (348 psig)	1.6 Mpa (232 psig)

SUITABLE FOR

Water	Oil	Air	Gases
✓		✓	✓

DIMENSION TABLE

SIZE (mm)	15	20	25	32	40	50	65	80	100
L	72	76	90	100	110	120	140	150	190
T	6	6	8	8	9	11	13	13	16
Øb	15	20	25	32	40	50	65	80	100
K	65	75	85	100	110	125	145	160	180
ØD	95	105	115	140	150	165	185	200	220
n	4	4	4	4	4	4	4	8	8
Ød	14	14	14	18	18	18	18	18	18
~H	96	106	118	128	147	164	207	228	280
~ØHW	60	60	80	90	90	120	120	150	165
Item Code (CL-1)	IS 004	IS 004	IS 004	IS 004	IS 004	IS 004	IS 004	IS 004	IS 004
Item Code (CL-2)	IS 010	IS 010	IS 010	IS 010	IS 010	IS 010	IS 010	IS 010	IS 010

MATERIAL SPECIFICATION

P.No.	NAME OF PART	MATERIAL	SPECIFICATION
1	BODY	LEADED TIN BRONZE	IS 318 Gr. LTB2
2	WEDGE	LEADED TIN BRONZE / FORGED BRASS	IS 318 Gr. LTB2 / IS 6912 Gr. FLB
3	STEM	HIGH TENSILE BRASS	IS 6912 Gr. FHTB1
4	BONNET	LEADED TIN BRONZE / FORGED BRASS	IS 318 Gr. LTB2 / IS 6912 Gr. FLB
5	STUFFING BOX	LEADED TIN BRONZE / BRASS ROD	IS 318 Gr. LTB2 / IS 6912 Gr. FHTB1
6	PACKING	HEMP & JUTE / ASBESTOS	IS 5414 / IS 4687
7	GLAND	LEADED TIN BRONZE / BRASS ROD	IS 318 Gr. LTB2 / IS 6912 Gr. FHTB1
8	GLAND NUT	LEADED TIN BRONZE / BRASS ROD	IS 318 Gr. LTB2 / IS 6912 Gr. FLB
9	HAND WHEEL	CAST IRON (IS 210 Gr. FG200) / M.S. SHEET (POWDER COATED)	
10	WASHER	CARBON STEEL	_____
11	SET SCREW	CARBON STEEL	IS 1367

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