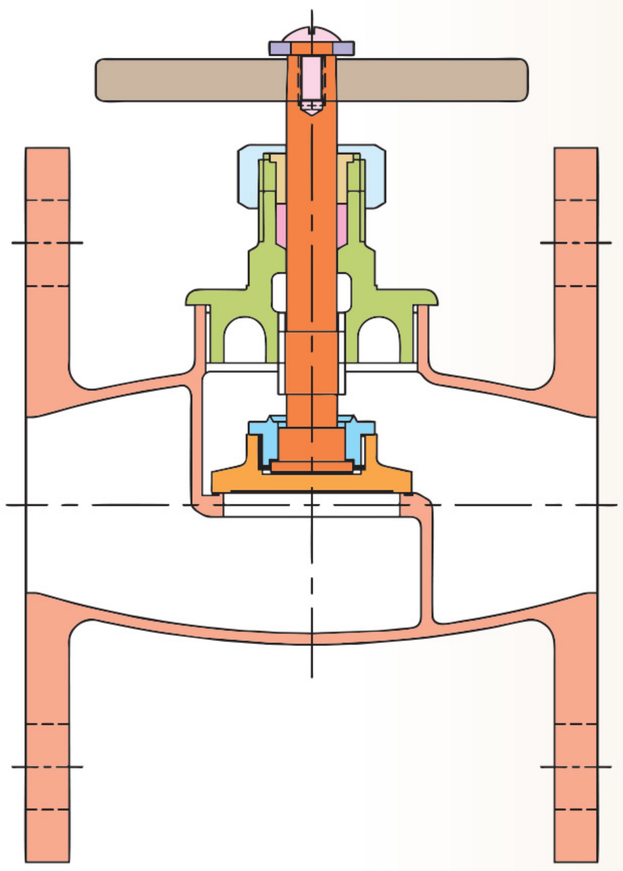
GUN METAL/BRONZE

IS778
CM/L-0485757

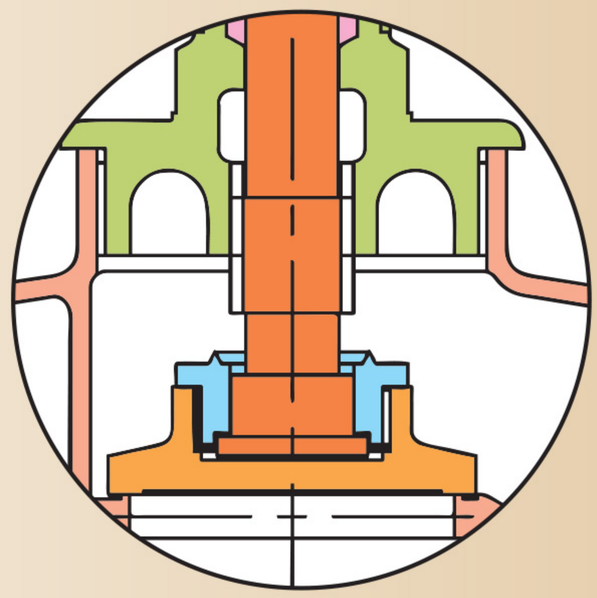
GLOBE VALVE



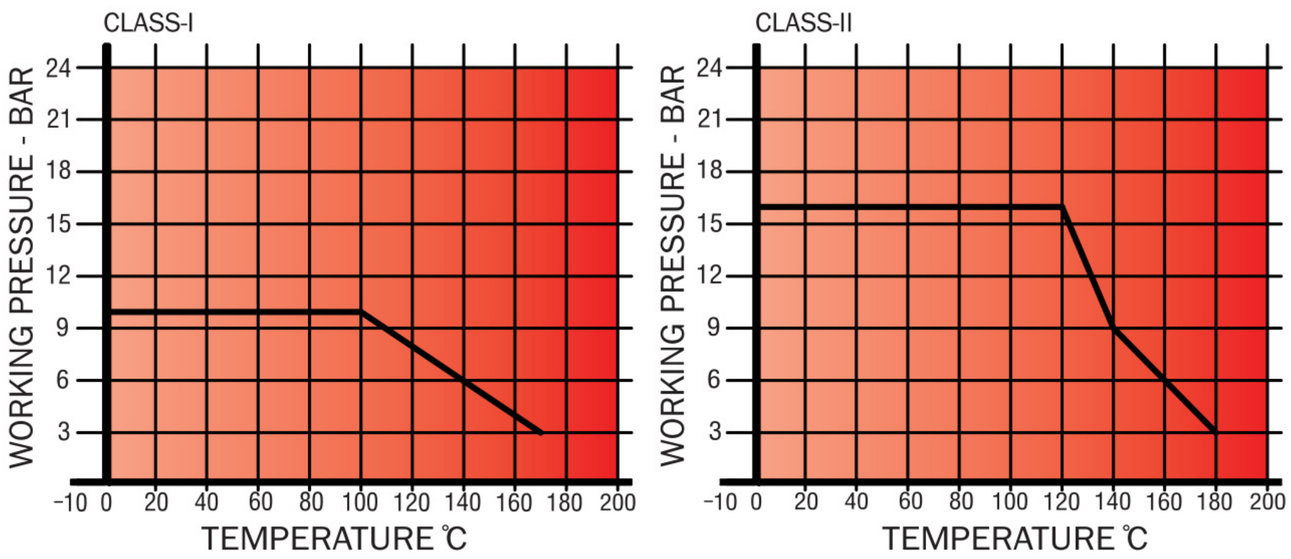
BODY	1	
DISC	2	
STEM	3	
BONNET	4	
PACKING	5	
GLAND	6	
GLAND NUT	7	
HAND WHEEL	8	
WASHER	9	
SET SCREW	10	
STEM NUT	11	

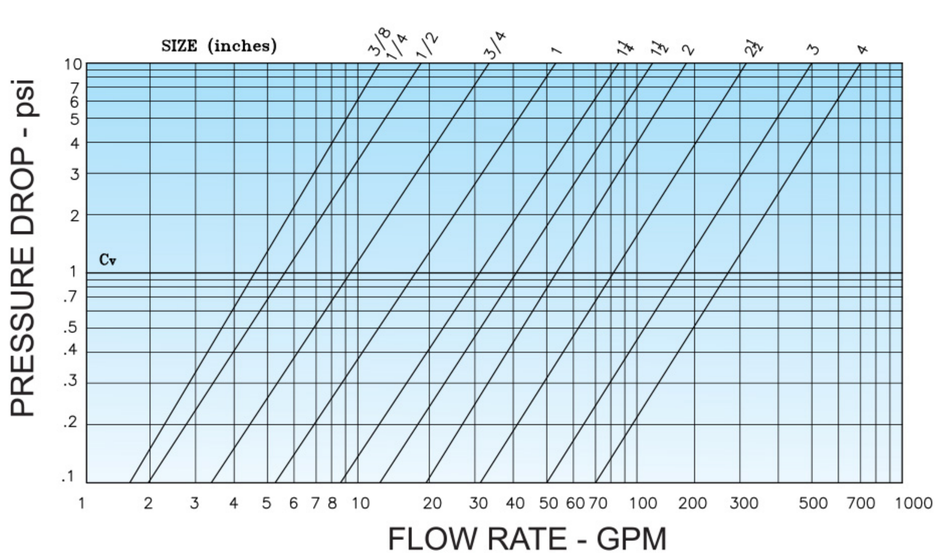


- **Item Code:** IS 015 & IS 019
- **Pressure Rating:** CL-1 & CL-2
- **Testing Standard:** IS 6157
- **Size Range:** 15mm to 100mm
- **Product Standard:** IS 778



PRESSURE/TEMPERATURE DIAGRAM





LEADER VALVES LIMITED

PRINCIPAL FEATURES

- Design Std.: IS:778.
- Screwed in bonnet, Inside Screw, rising stem, integral seat.
- Flanged ends as per IS:778.
- Profiled contoured shape body for minimum pressure head loss.
- Extra strength of stem with high tensile brass.
- Provision for re-packing 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

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

UTILISATION & SERVICE

- "LEADER" Gun Metal Globe 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.

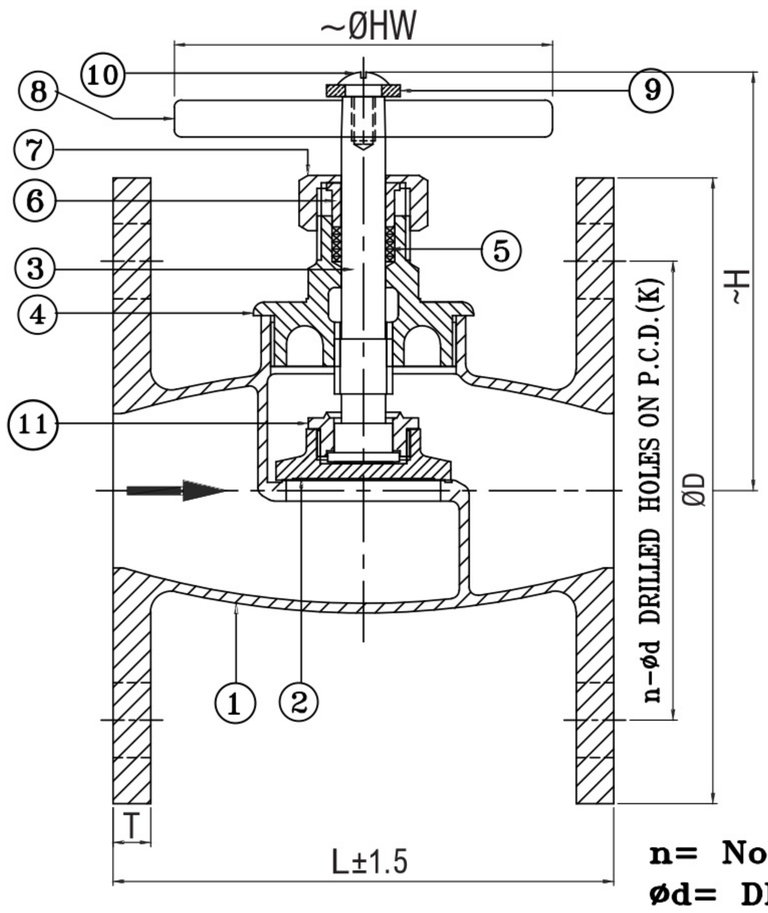
SUITABLE FOR

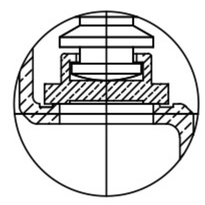
Water	Oil	Air	Gases
✓		✓	✓

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)





DISC DESIGN UPTO 25mm

n= No.OF HOLES
ød= DIA OF HOLE

DIMENSION TABLE

SIZE (mm)	15	20	25	32	40	50	65	80	100
L	75	85	95	100	120	145	165	185	216
T	6	6	8	8	9	11	13	13	16
D	95	105	115	140	150	165	185	200	220
K	65	75	85	100	110	125	145	160	180
n	4	4	4	4	4	4	4	8	8
d	14	14	14	18	18	18	18	18	18
~H	74	83	90	96	102	114	156	174	206
~ØHW	60	60	83	90	92	103	130	150	165
Item Code (CL-1)	IS015	IS015	IS015	IS015	IS015	IS015	IS015	IS015	IS015
Item Code (CL-2)	IS019	IS019	IS019	IS019	IS019	IS019	IS019	IS019	IS019

MATERIAL SPECIFICATION

P.No.	NAME OF PART	MATERIAL	SPECIFICATION
1	BODY	LEADED TIN BRONZE	IS 318 Gr. LTB2
2	DISC	LEADED TIN BRONZE / HIGH TENSILE BRASS	IS 318 Gr. LTB2 / IS 6912 Gr. FHTB1
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	PACKING	HEMP & JUTE	IS 5414
6	GLAND	LEADED TIN BRONZE / FORGED BRASS	IS 318 Gr. LTB2 / IS 6912 Gr. FHTB1
7	GLAND NUT	LEADED TIN BRONZE / FORGED BRASS	IS 318 Gr. LTB2 / IS 6912 Gr. FHTB1
8	HAND WHEEL	CAST IRON (IS 210 Gr. FG200) / M.S. SHEET (POWDER COATED)	
9	WASHER	CARBON STEEL	IS 2062
10	SET SCREW	CARBON STEEL	----------
11	STEM NUT	LEADED TIN BRONZE / FORGED BRASS	IS 318 Gr. LTB2 / IS 6912 Gr. FHTB1

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