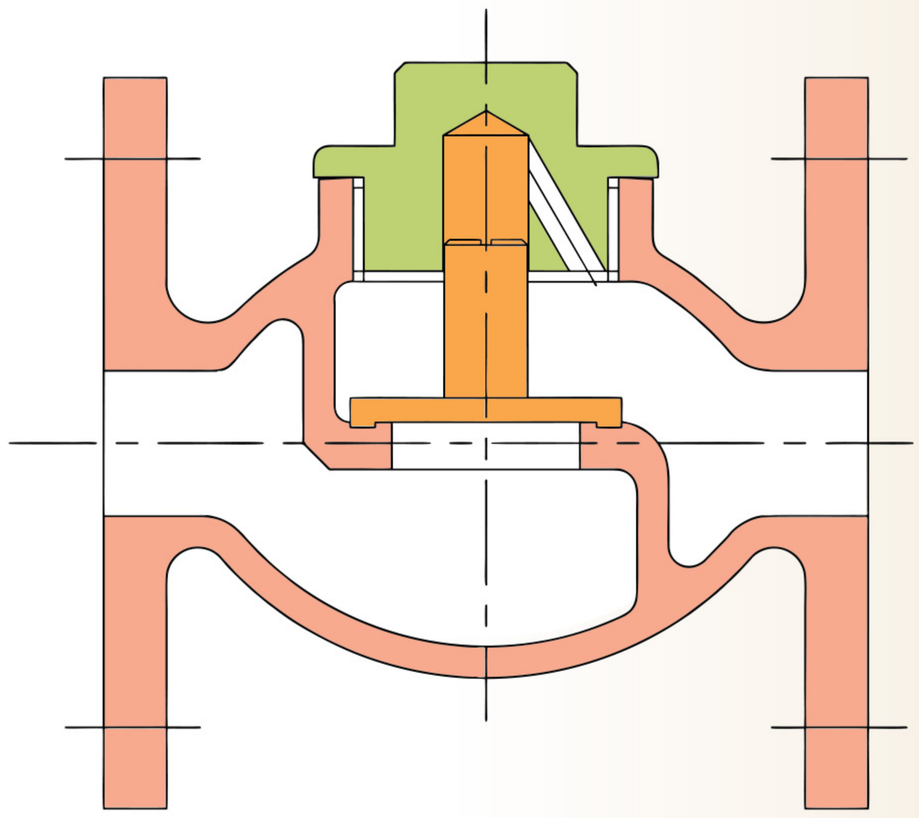
GUN METAL/BRONZE

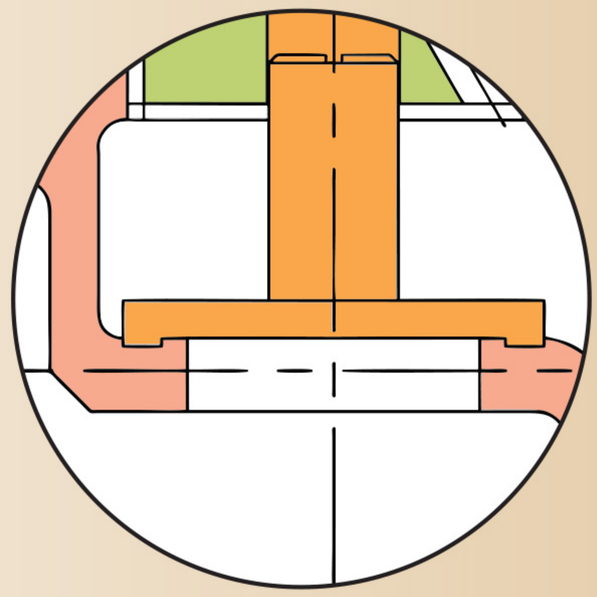
IS778
CM/L-0485757

HORIZONTOL LIFT CHECK VALVE

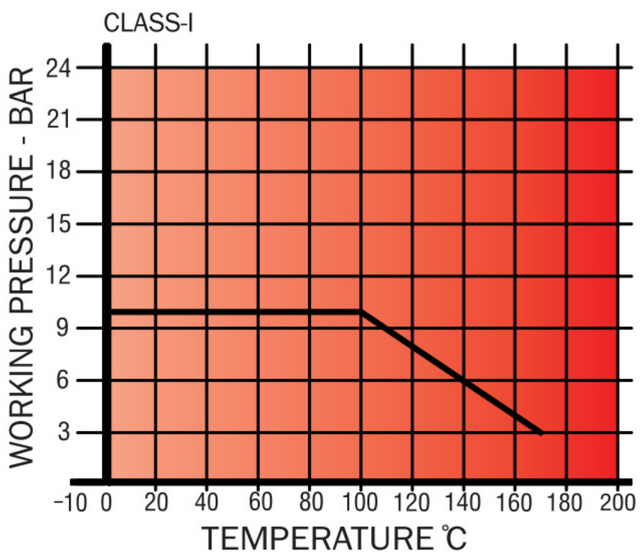


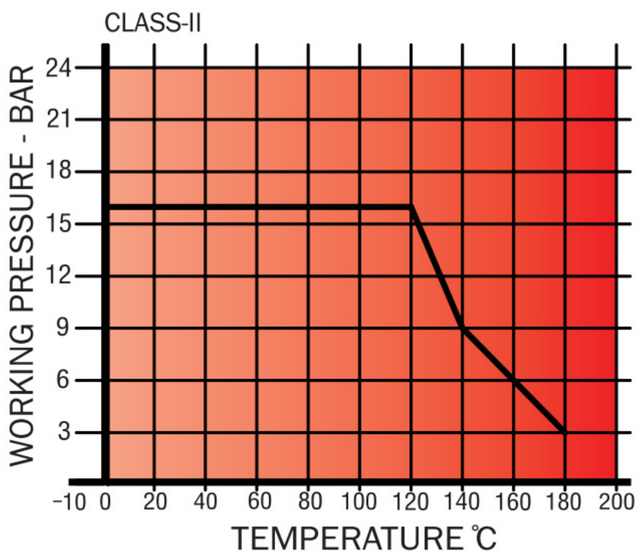
BODY 1
DISC 2
COVER 3

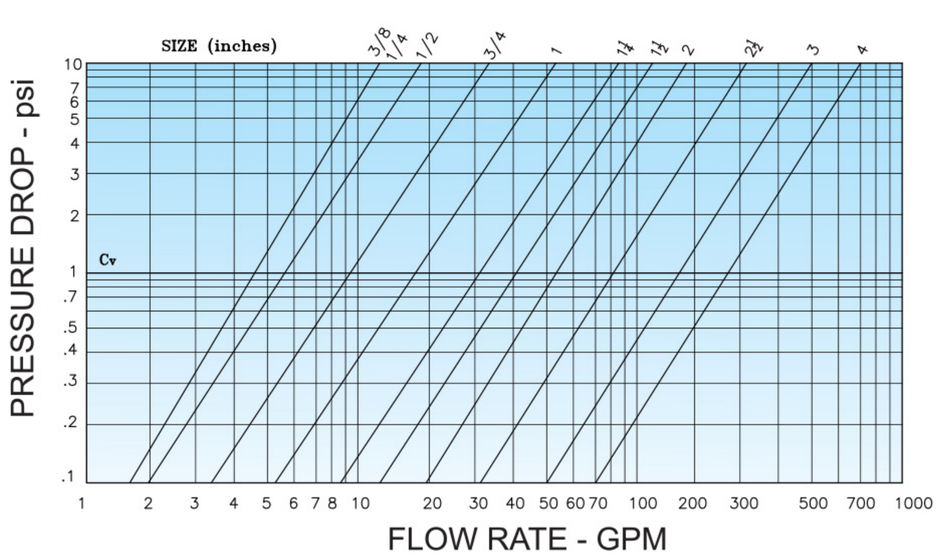
- **Item Code:** IS 022 & IS 024
- **Pressure Rating:** CL-1 & CL-2
- **Testing Standard:** IS 6157
- **Size Range:** 15mm to 100mm
- **Product Standard:** IS 778



PRESSURE/TEMPERATURE DIAGRAM







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

LEADER VALVES LIMITED

PRINCIPAL FEATURES

- Design Std.: IS:778.
- Screwed in cover, integral seat.
- Flanged ends as per IS:778.
- Disc is guided in body as well as in cover.
- Permits flow in one direction and close automatically if the flow reverses.
- Profiled contoured shape body for minimum pressure head loss.

END CONNECTION

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

UTILISATION & SERVICE

- "LEADER" Gun Metal Horizontal Lift Check valves are suitable for above-ground & underground installations.
- Suitable for installation in Horizontal pipe line
- Best suited for potable water, treated fresh water, neutral liquids.

PRESSURE RATING: CL-1 & CL-2

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

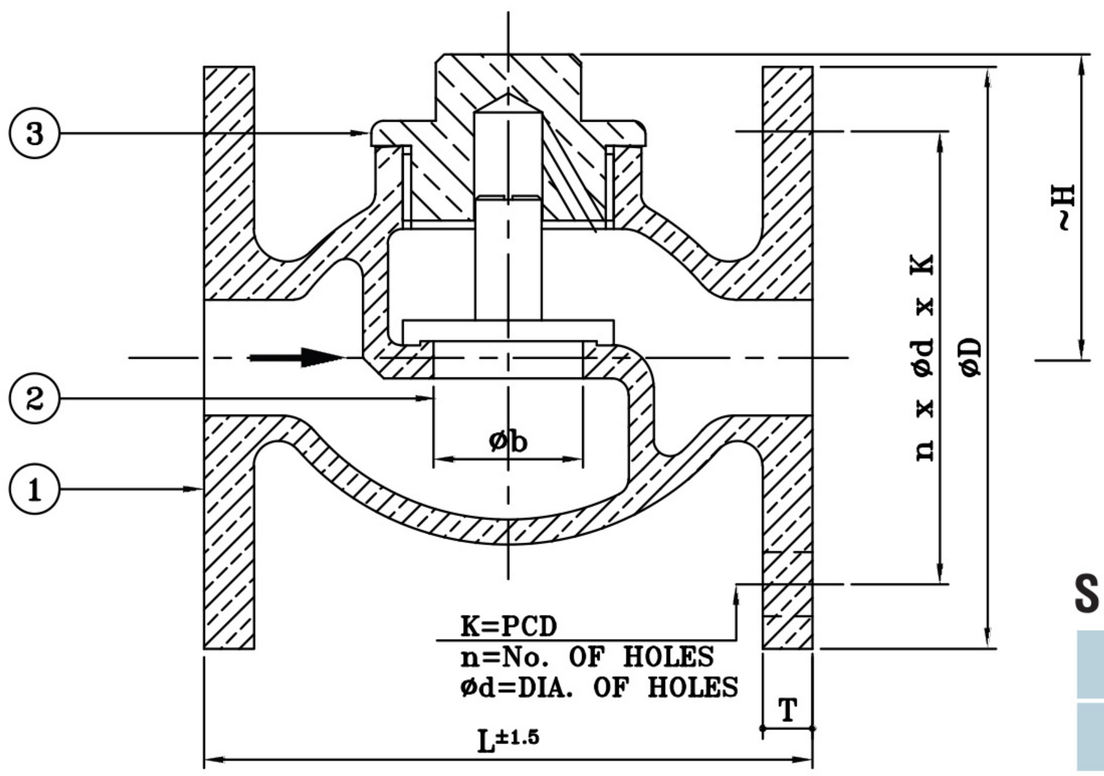
TEST PRESSURE (Hydrostatic)	
CLASS - 2	
BODY	SEAT
2.4 Mpa (348 psig)	1.6 Mpa (232 psig)

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
✓			

DIMENSION TABLE

SIZE (mm)	15	20	25	32	40	50	65	80	100
L	75	85	95	110	120	145	165	185	216
~H	36	44	51	54	63	70	88	94	118
Øb	15	20	25	32	40	50	65	80	100
ØD	95	105	115	140	150	165	185	200	220
T	6	6	8	8	9	11	13	13	16
K	65	75	85	100	110	125	145	160	180
n	4	4	4	4	4	4	4	8	8
Ød	14	14	14	18	18	18	18	18	18
Item Code (CL-1)	IS022	IS022	IS022	IS022	IS022	IS022	IS022	IS022	IS022
Item Code (CL-2)	IS024	IS024	IS024	IS024	IS024	IS024	IS024	IS024	IS024

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	COVER	LEADED TIN BRONZE / FORGED BRASS	IS 318 Gr. LTB2 / IS 6912 Gr. FLB

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