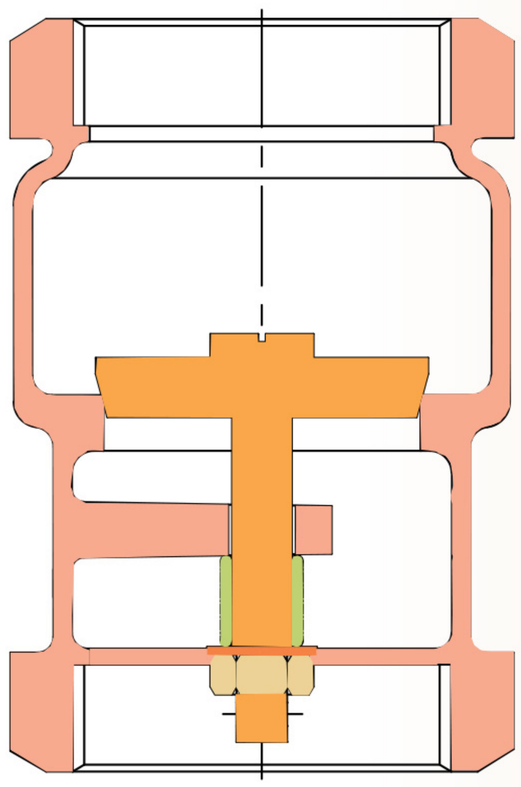
GUN METAL/BRONZE

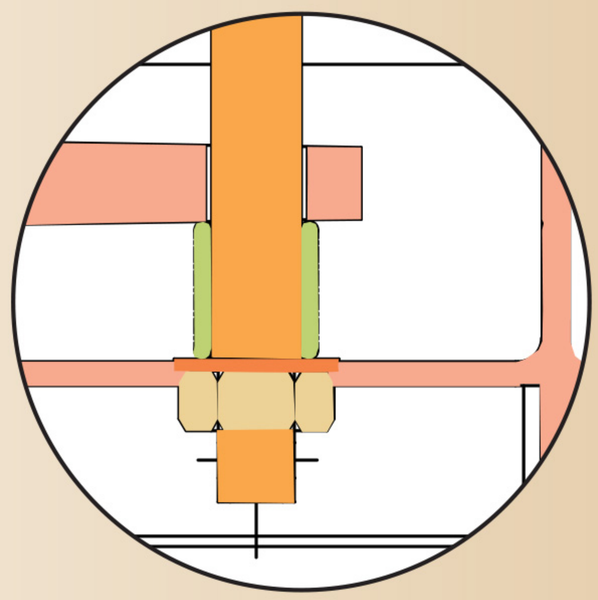
IS778
CM/L-0485757

VERTICAL CHECK VALVE

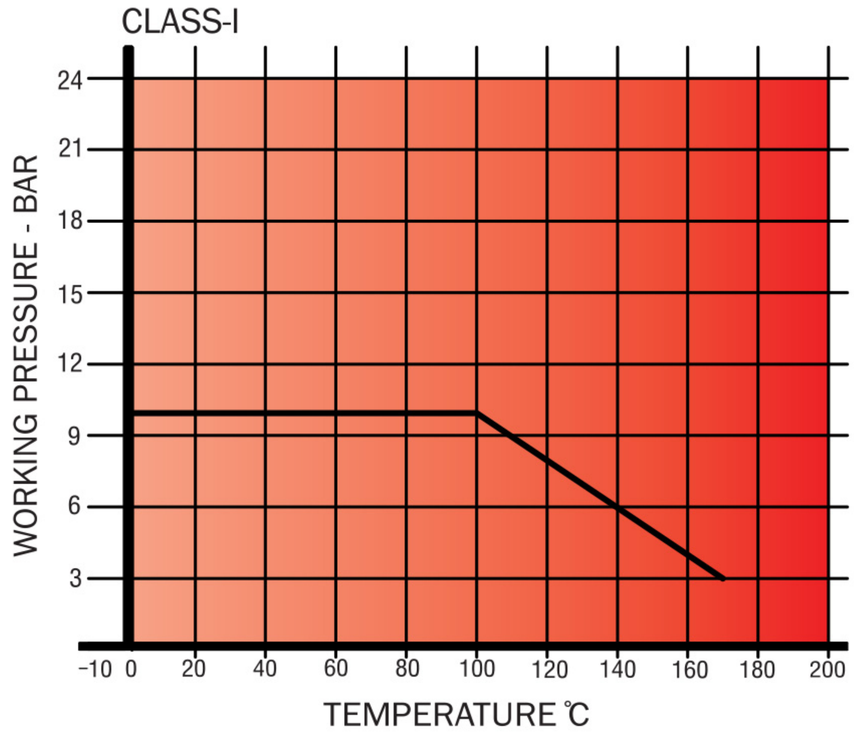


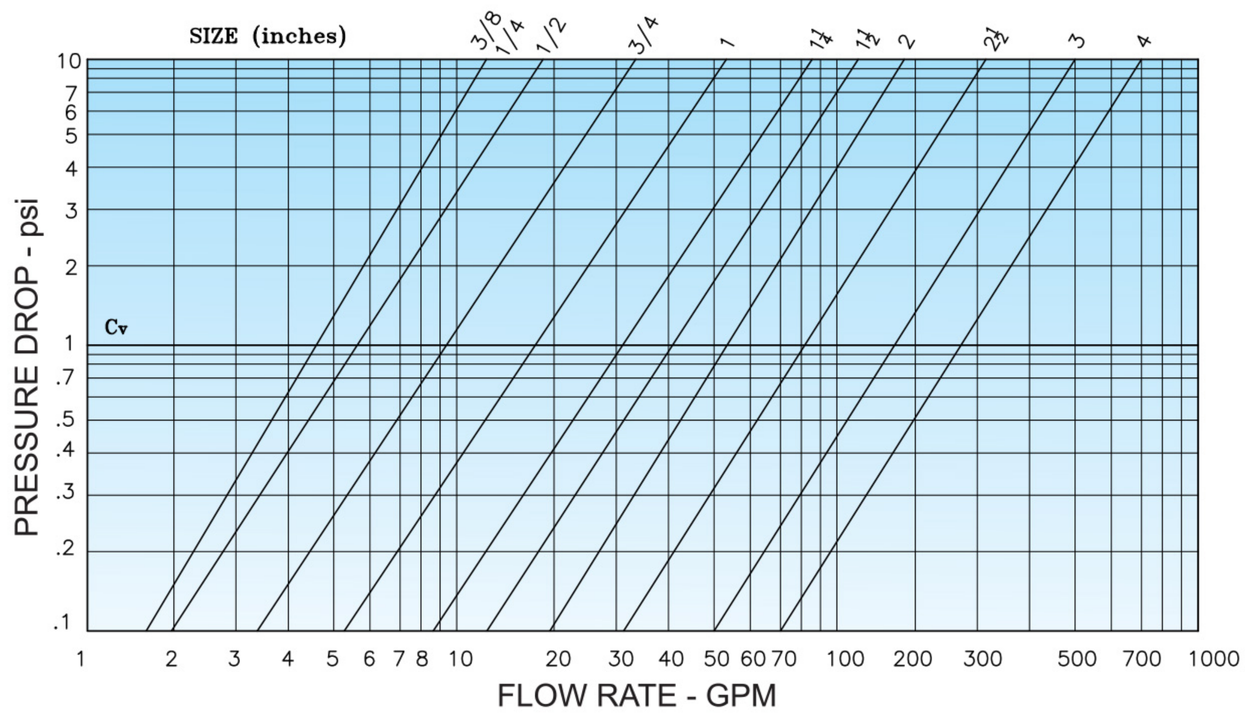
BODY	1
NUT	2
WASHER	3
SPRING	4
DISC	5

- **Item Code:** IS 025
- **Pressure Rating:** CL-1 & CL-2
- **Testing Standard:** IS 6157
- **Size Range:** 15mm to 100mm
- **Product Standard:** IS 778



PRESSURE/TEMPERATURE DIAGRAM
CLASS-I





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

PRINCIPAL FEATURES

- Design Std.: IS:778.
- Single piece design.
- Screwed female parallel threads to IS:554.
- Permits flow in one direction and closed automatically if the flow reverses.
- Spring loaded design allow installation in both horizontal and vertical pipe line.
- The design conceived for operation in upward flow only.
- Always install vertically with pressure below the seat and inlet end down.
- Disc is precisely guided at top and bottom, assuring accurate seating.
- Excellent choke for suction lines and general service.

END CONNECTION

- Screwed female threads IS:554 (Parallel).

UTILISATION & SERVICE

- "LEADER" Gun Metal Vertical Lift Check valves are suitable for above-ground & underground installations.
- Best suited for potable water, treated fresh water, neutral liquids, Air & 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.

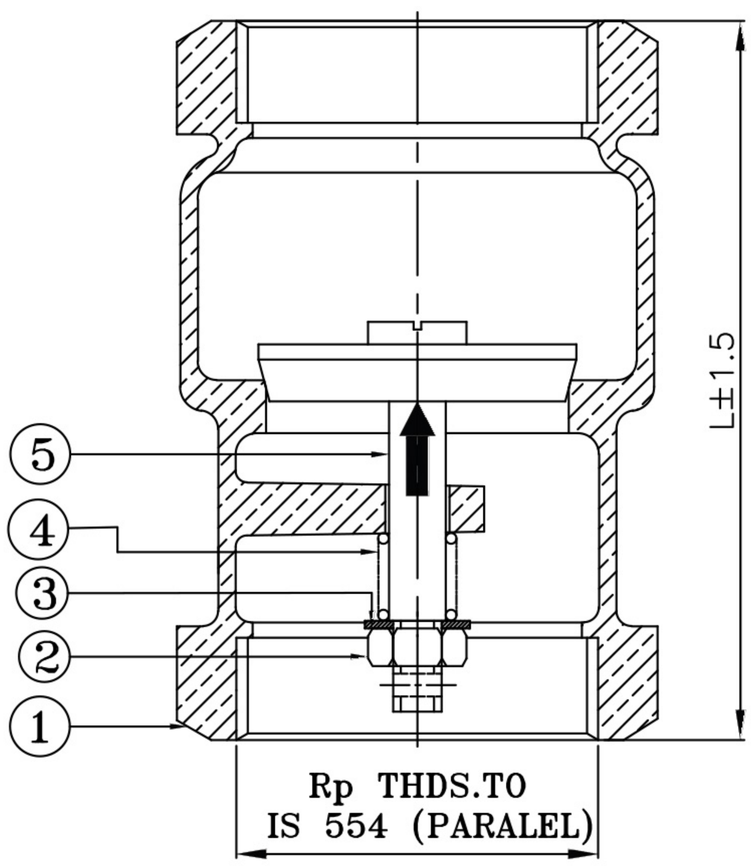
PRESSURE RATING: CL-1 & CL-2

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	65	70	75	85	95	110	130	145	190
Rp	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Item Code	IS025	IS025	IS025	IS025	IS025	IS025	IS025	IS025	IS025

MATERIAL SPECIFICATION

P.No.	NAME OF PART	MATERIAL	SPECIFICATION
1	BODY	LEADED TIN BRONZE	IS 318 Gr. LTB2
2	NUT	EXTRUDED BRASS	IS 319 (HALF HARD)
3	WASHER	BRASS	
4	SPRING	PH. BRONZE	IS 7608
5	DISC	GUN METAL / HIGH TENSILE BRASS	IS 318 Gr. LTB2 / IS 6912 Gr. FHTB1

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