CAST IRON

EQUILIBRIUM FLOAT VALVE

INTRODUCTION

Leader Equilibrium Float Valves are Double seated and are designed to be used for the automatic control of the supply of liquids to an open tank where dead-end closing is not essential and valve inlet pressures are normal.

PRINCIPAL FEATURES

- Right Angle Pattern, Double beat type.
- Rubber seated to ensure tight sealing of the disc.
- Copper float for the longer life and better performance.
- Has a relatively long actuating lever, providing for a long float travel to ensure a slow rate of valve closure & a reduction of induced pressure rise within the main.
- Particularly suited for level control in gravity mains of shot to moderate lengths.
- Flanged ends as per ASME B16.1 CL-125 (FF) Drilled.

END CONNECTION

Flanges as per ASME B16.1 CL-125 (FF) Drilled.

UTILISATION & SERVICE

"LEADER" Cast Iron Equilibrium Float Valve are suitable for above-ground installations.
Best suited for potable water & treated fresh water.

WORKING PRESSURE

Maximum Working Pressure: 12.27 Bar.
See Pressure / Temperature Diagram.

TEMPERATURE LIMITS

Maximum Working temperature: 120°C.
See Pressure / Temperature Diagram.

Item Code:	CI0052
Pressure Rating:	CL-125
Testing Standard:	Mfg. Standard
Size Range:	40mm to 300mm
Product Standard:	Mfg. Standard

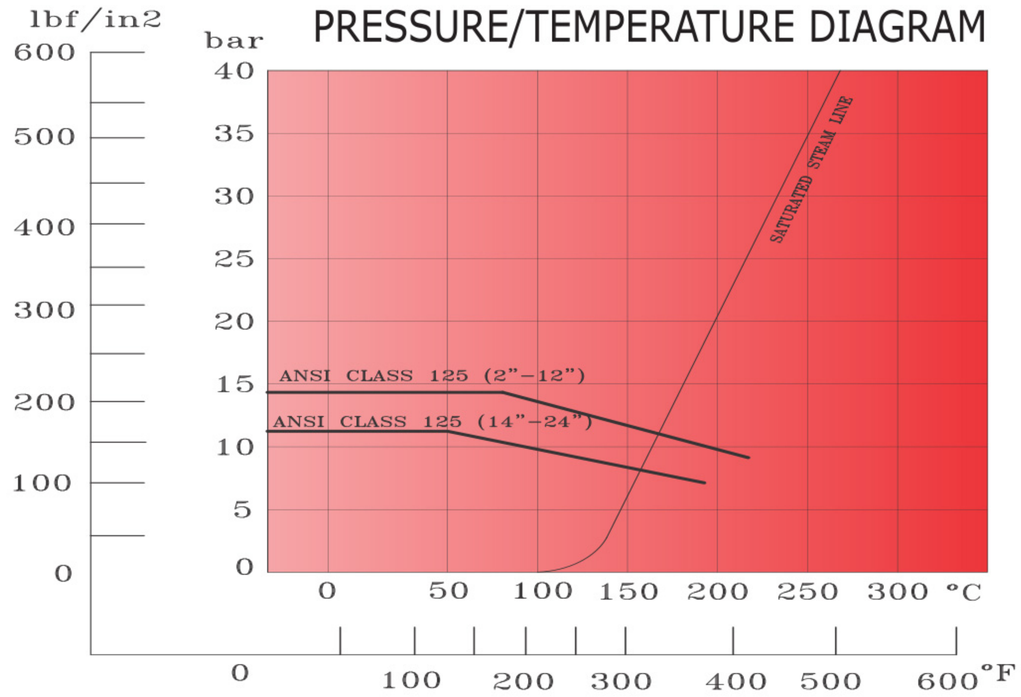
SUITABLE FOR

Water	Oil	Air	Gases
✓			

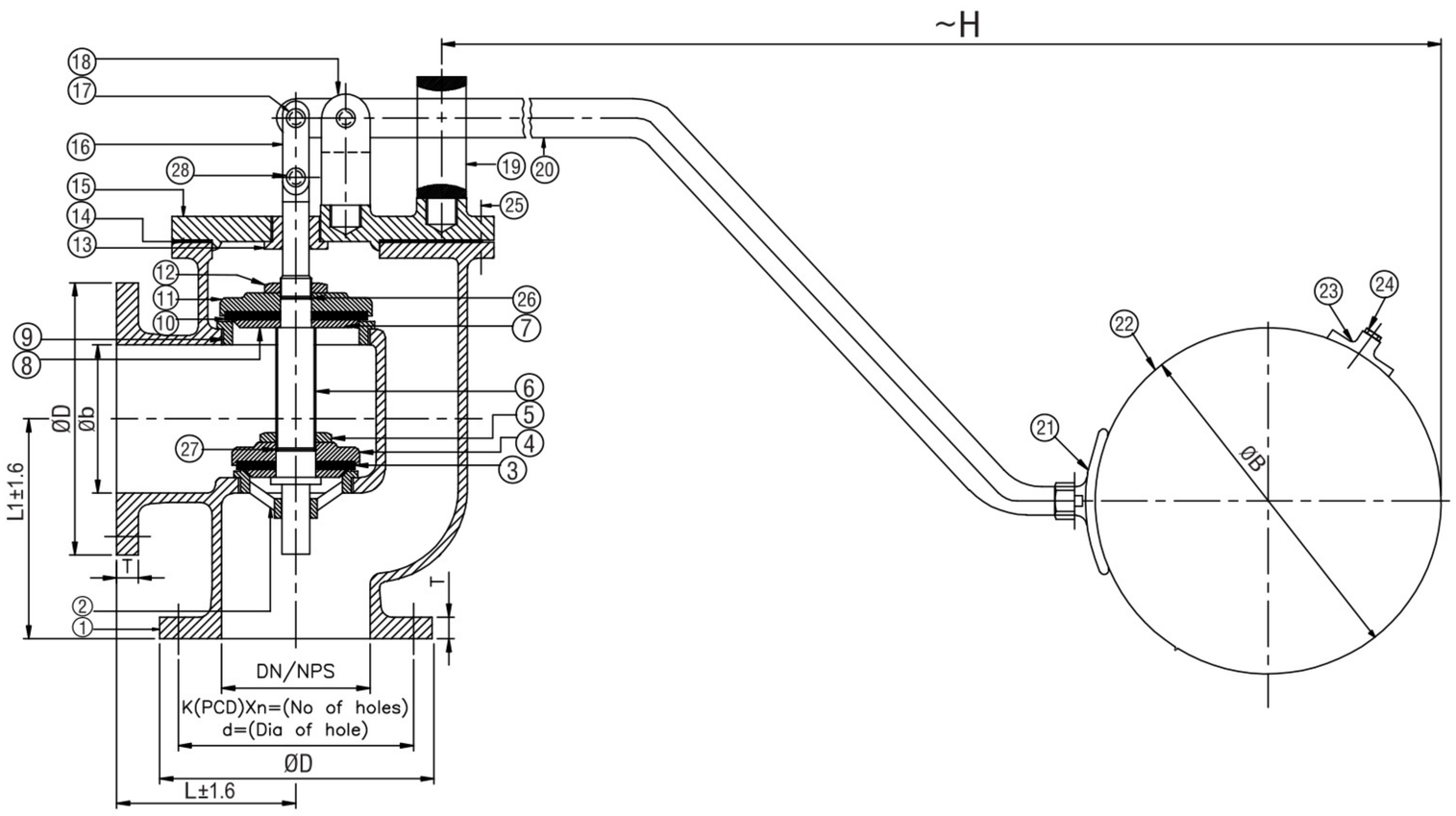
TEST PRESSURE (Hydrostatic)

Rating	CL-125
Body (Hyd.)	20.7 Bar
Seat (Hyd.)	13.5 Bar

PRESSURE/TEMPERATURE DIAGRAM



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



DIMENSIONAL DATA

SIZE (mm)	40	50	65	80	100	125	150	200	250
L ±1.6	100	108	114	133	140	152	184	235	270
L1±1.6	95	108	114	133	190.5	200	225	260	286.6
~H	795	976	989	989	1420	1243	1268	1393	2350
ØD	127	152.5	178	190.5	229	254	279.5	343	406.4
T	14.2	15.8	17.5	19.1	24	24	25.4	28.5	30.2
K	98.5	120.7	139.7	152.4	190.5	215.9	241.3	298.5	361.9
n	4	4	4	4	8	8	8	8	12
d	15.7	19.1	19.1	19.1	19.1	22.3	22.3	22.3	25.4
ØB	300	300	300	355	457	457	457	457	680

MATERIAL SPECIFICATION

P.No.	NAME OF PART	MATERIAL	SPECIFICATION
1	BODY	CAST IRON	IS 210 Gr. FG200
2	LOWER SEAT RING	GUN METAL	BSEN 1982 Gr. CC491K
3	LOWER RUBBER SEAT	RUBBER	BS 3457 CL 6
4	LOWER DISC HOLDER	CAST IRON	IS 210 Gr. FG200
5	LOWER DISC NUT	GUN METAL	BSEN 1982 Gr. CC491K
6	STEM	BRASS ROD	B.S. 2872 or BS 2874 CZ114
7	ADJUSTING NUT	GUN METAL	BSEN 1982 Gr. CC491K
8	UPPER DISC RETAINER	GUN METAL	BSEN 1982 Gr. CC491K
9	UPPER SEAT RING	GUN METAL	BSEN 1982 Gr. CC491K
10	UPPER RUBBER DISC	RUBBER	BS 3457 CL 6
11	UPPER DISC HOLDER	CAST IRON	IS 210 Gr. FG200
12	UPPER DISC NUT	GUN METAL	BSEN 1982 Gr. CC491K
13	BACK SEAT BUSH	GUN METAL	BSEN 1982 Gr. CC491K
14	GASKET	C.N.A.F.	BS 1832
15	COVER	CAST IRON	IS 210 Gr. FG200
16	THRUST LINK	GUN METAL	BSEN 1982 Gr. CC491K
17	THRUST PIN	BRASS ROD	B.S. 2872 or BS 2874 CZ114
18	FULCRUM FORK	CAST IRON	IS 210 Gr. FG200
19	LEVER GUIDE	CAST IRON	IS 210 Gr. FG200
20	LEVER	CARBON STEEL	IS 2062 Gr. B
21	BALL CAP	GUN METAL	BSEN 1982 Gr. CC491K
22	BALL	COPPER	
23	ADJUSTING NUT	GUN METAL	BSEN 1982 Gr. CC491K
24	PLUG	GUN METAL	BSEN 1982 Gr. CC491K
25	BOLTS	CARBON STEEL	IS 2062
26	O-RINGS	EPDM	SHORE HARDNESS 65+-4
27	O-RINGS	EPDM	SHORE HARDNESS 65+-4
28	CONNECTING PIN	BRASS ROD	B.S. 2872 or BS 2874 CZ114

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