



Cu-ALLOY GATE VALVES- IS 778

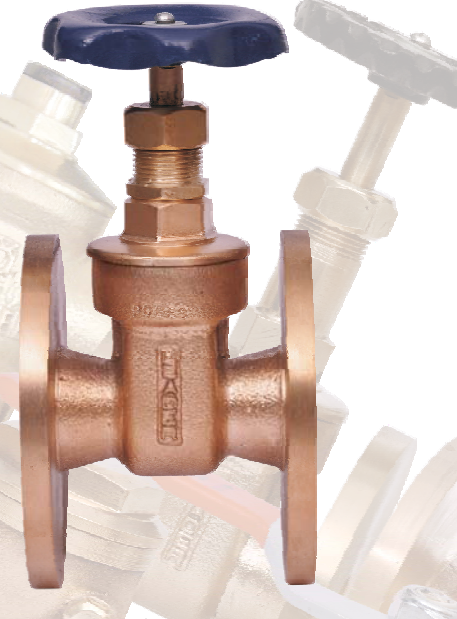
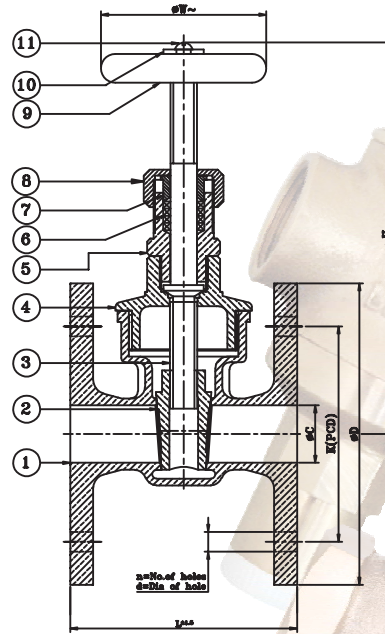
SPECIFICATIONS

SCREWED IN BONNET, INSIDE SCREW
NON-RISING STEM, INTEGRAL SEAT,
SOLID WEDGE, FLANGED ENDS AS
PER IS 778

PRESSURE TEMPERATURE RATING :

Class 1- 1.0 Mpa upto 45°C

Class 2 - 1.6 Mpa up to 45°C



STANDARD MATERIAL COMBINATION

P.NO.	DESCRIPTION	MATERIALS	SPECIFICATIONS
1	BODY	LEADED TIN BRONZE	IS 318:81 Gr.LTB2
2	WEDGE	LEADED TIN BRONZE	IS 318:81 Gr.LTB2
3	STEM	HIGH TENSILE BRASS	IS 6912:85 Gr. FHTB1
4	BONNET	LEADED TIN BRONZE	IS 318:81 Gr.LTB2
5	STUFFING BOX	LEADED TIN BRONZE	IS 318:81 Gr.LTB2
6	PACKING	HEMP & JUTE ASBESTOS	IS 5414, IS 4687
7	GLAND	LEADED TIN BRONZE	IS 318 : 81 Gr.LTB2
8	GLAND NUT	LEADED TIN BRONZE	IS 318 : 81 Gr.LTB2
9	HAND WHEEL	C.I.	IS 210:93 Gr.FG200
10	WASHER	M.S.	----
11	SET SCREW	M.S.	----

DIMENSIONAL DATA

SIZE(mm)		15	20	25	32	40	50	65	80	100
L		72	76	90	100	110	120	140	150	190
ØC		15	20	25	32	40	50	65	80	100
H		102	118	125	145	160	185	205	242	295
~ØW		60	60	70	90	92	103	130	150	165
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
ITEM CODE NOS.	Aprox. Wt. ^ (CL-1)	1.245	1.555	2.360	3.290	4.255	6.215	9.125	12.630	18.080
	CLASS 1	IS 004	IS 004	IS 004	IS 004	IS 004	IS 004	IS 004	IS 004	IS 004
	Aprox. Wt. ^ (CL-2)	1.921	2.200	3.200	5.057	5.200	6.550	10.300	13.760	21.200
	CLASS 2	IS 010	IS 010	IS 010	IS 010	IS 010	IS 010	IS 010	IS 010	IS 010

TEST PRESSURES

NOMINAL PRESSURE ACCORDING TO CLASS DESIGNATION	SHELL TEST (HYDROSTATIC)	SEAT & BACK SEAT (HYDROSTATIC)	STANDARD NO.
CLASS 1	1.5 Mpa (217.5 psig)	1.0 Mpa (145 psig)	IS 6157
CLASS 2	2.4 Mpa (348 psig)	1.6 MPA (232 psig)	

NOTE: The above data is subject to change without notice due to our continuing product improvement program. (^ WEIGHT GIVEN IN KGS)