



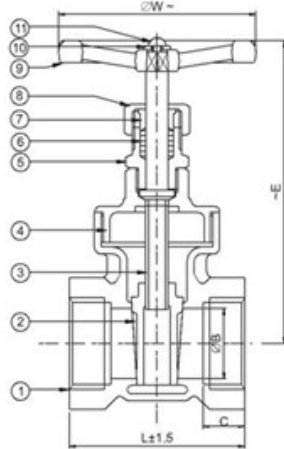
Cu-ALLOY GATE VALVES- IS 778

CLASS 1 & 2

SPECIFICATIONS
SCREWED IN BONNET, INSIDE SCREW, NON-RISING STEM, INTEGRAL SEAT, SOLID WEDGE, SCREWED FEMALE PARALLEL THREADS TO IS 554, OTHER FORMS OF THREADS CAN BE PROVIDED ON REQUEST.

CLASS RATING
CLASS-1
CLASS-2

WORKING PRESSURE
1.0 Mpa UPTO 45°C
1.6 Mpa UPTO 45°C



STANDARD MATERIAL COMBINATION

P.NO.	QTY.	DESCRIPTION	MATERIALS	SPECIFICATIONS
1	1	BODY	LEADE D TIN BRONZE	IS 318:81 Gr. LTB2
2	1	WEDGE	LEADED TIN BRONZE	IS 318:81 Gr. LTB2
3	1	STEM	HIGH TENSILE BRASS	IS 6912:85 Gr. FHTB1
4	1	BONNET	LEADED TIN BRONZE	IS 318:81 Gr. LTB2
5	1	STUFFING BOX	LEADED TIN BRONZE/BRASS ROD	IS 318:81 Gr. LTB2/FLB
6	-	GLAND PACKING	ASBESTOS HEMP & JUTE	IS 5414:69
7	1	GLAND	LEADED TIN BRONZE/BRASS ROD	IS 318:81 Gr.LTB2/IS 6912:85 Gr. FLB
8	1	GLAND NUT	LEADED TIN BRONZE/BRASS ROD	IS 318:81 Gr.LTB2/IS 6912:85 Gr. FLB
9	1	HAND WHEEL	C.I.	IS 210-93 Hr. FG200
10	1	WASHER	CARBON STEEL	IS 2062:92 Gr. A
11	1	SET SCREW	CARBON STEEL	ANY GRADE

DIMENSIONAL DATA

DN NPS	8 1/4	10 3/8	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2	50 2	65 2 1/2	80 3	100 4	
L	50	50	60	60	70	80	90	100	105	125	160	
∅b	8	10	15	20	25	32	40	50	65	80	100	
C	11.5	11.5	16.0	16.0	18.5	22.0	24.0	28.5	29.5	36.5	45.5	
H	90	90	100	112	125	140	160	176	205	238	295	
HW	48	48	60	60	70	80	92	103	130	150	165	
ITEM CODE NOS.	Aprox. Wt. ▲ (CL-1)	0.310	0.310	0.420	0.635	0.790	1.350	1.795	2.710	4.205	6.136	10.416
	CLASS 1	IS 001 B	IS 001 C	IS 001 D	IS 001 F	IS 001 G	IS 001 H	IS 001 I	IS 001 J	IS 001 K	IS 001 L	IS 001 N
	Aprox. Wt. ▲ (CL-2)	-	-	0.470	0.625	0.940	1.555	2.185	3.216	4.500	7.750	13.445
	CLASS 2	IS 007 B	IS 007 C	IS 007 D	IS 007 F	IS 007 G	IS 007 H	IS 007 I	IS 007 J	IS 007 K	IS 007 L	IS 007 N

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)

(01)



JAYARAJ PIPE TRADERS

48/425 Q, JAYARAJ HOUSE, ELAMAKKARA, COCHIN 682 026
TEL. No. 0484 253 0785, 240 8008, 240 8009. FAX: 0484 253 0785
E-mail: jaypipescochin@gmail.com, sales@jayarajpipes.com
Web: www.jayarajpipes.com





Cu-ALLOY GATE VALVES- IS 778

CLASS 1 & 2

SPECIFICATIONS

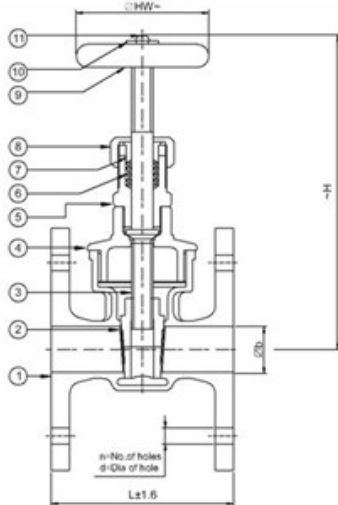
SCREWED IN BONNET, INSIDE SCREW NON-RISING STEM, INTEGRAL SEAT, SOLID WEDGE, FLANGED ENDS AS PER IS 778

CLASS RATING

CLASS-1
CLASS-2

WORKING PRESSURE

1.0 Mpa UPTO 45°C
1.6 Mpa UPTO 45°C



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3	1	STEM	HIGH TENSILE BRASS	IS 6912:85 Gr. FHTB1
4	-	BONNET	LEADED TIN BRONZE	IS 318:81 Gr.LTB2
5	1	STUFFING BOX	LEADED TIN BRONZE	IS 318:81 Gr.LTB2
6	1	PACKING	HEMP & JUTE ASBESTOS	IS 5414, IS 4687
7	1	GLAND	LEADED TIN BRONZE	IS 318 : 81 Gr.LTB2
8	1	GLAND NUT	LEADED TIN BRONZE	IS 318 : 81 Gr.LTB2
9	1	HAND WHEEL	C.I.	IS 201:93 Gr.FG200
10	1	WASHER	M.S.	----
11	1	SET SCREW	M.S.	----

DIMENSIONAL DATA

NPS	15	20	25	32	40	50	65	80	100	
L	72	76	90	100	110	120	140	150	190	
Øb	15	20	25	32	40	50	65	80	100	
H	100	112	125	140	160	176	205	238	295	
HW	60	60	70	80	92	103	130	150	165	
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 D	IS 004 F	IS 004 G	IS 004 H	IS 004 I	IS 004 J	IS 004 K	IS 004 L	IS 004 N
	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 D	IS 010 F	IS 010 G	IS 010 H	IS 010 I	IS 010 J	IS 010 K	IS 010 L	IS 010 N	

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 Web: www.jayarajpipes.com

