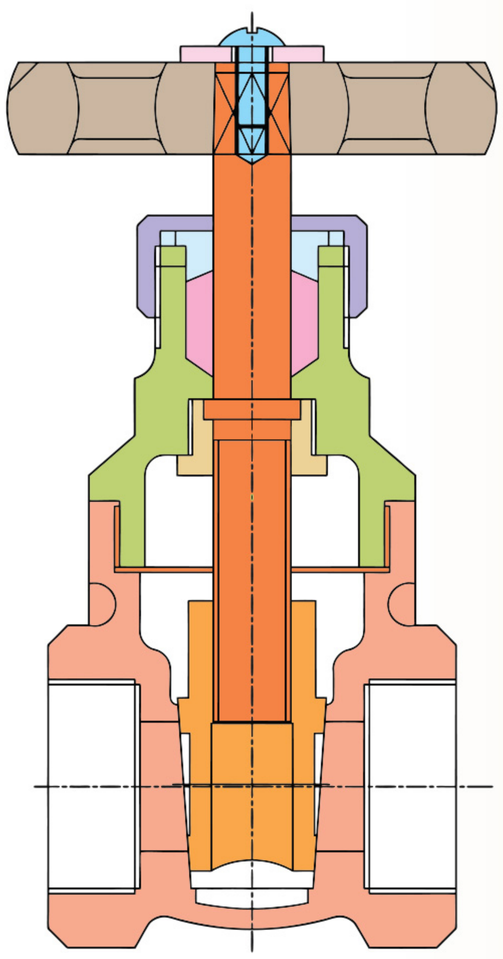
FORGED BRASS

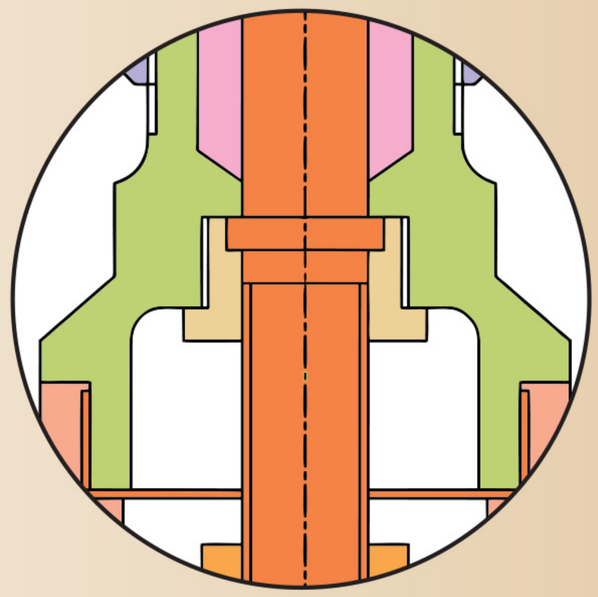
IS 13114
CM/L-9176890

GATE VALVE

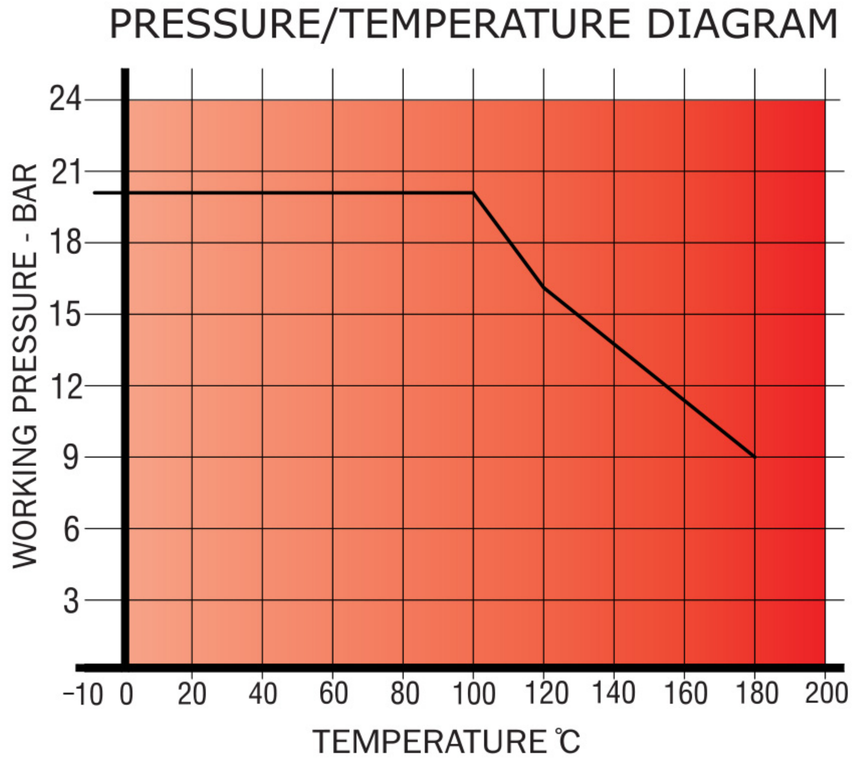


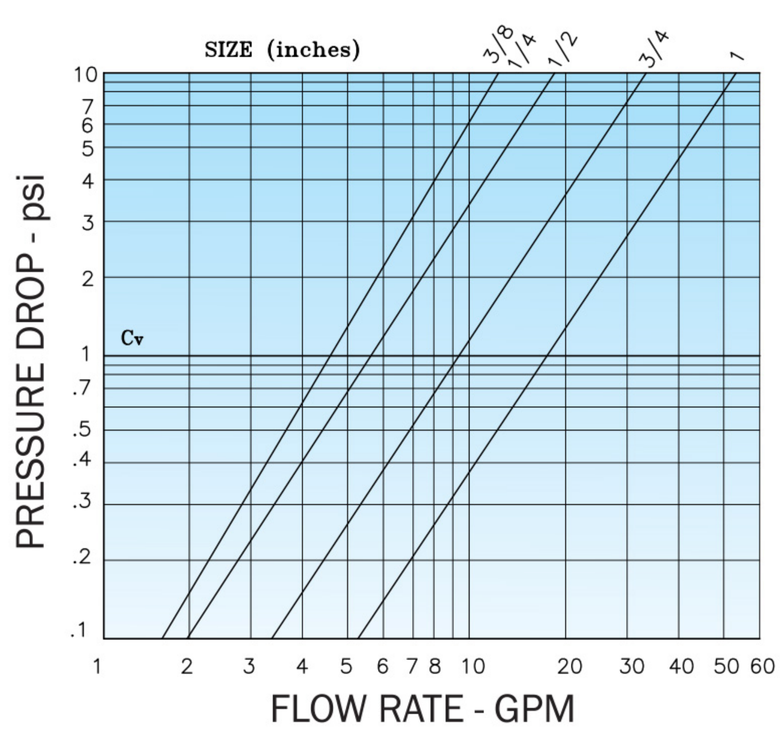
BODY	1	
WEDGE	2	
BONNET	3	
STEM	4	
STEM NUT	5	
GLAND PACKING	6	
GLAND	7	
GLAND NUT	8	
HAND WHEEL	9	
WASHER	10	
SET SCREW	11	

- **Item Code:** IS 026
- **Pressure Rating:** 2 MPa
- **Testing Standard:** IS 13114
- **Size Range:** 15mm to 25mm
- **Product Standard:** IS 13114



PRESSURE/TEMPERATURE DIAGRAM





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

PRINCIPAL FEATURES

- Design Std.: IS:13114.
- Screwed in bonnet, inside screw non-rising stem, integral seat.
- Screwed female parallel threads to IS: 554.
- Heavy duty full bore long threads.
- Extra strength of stem with high tensile brass.
- Provision for repacking under pressure in the installed condition.
- Sheet metal handwheel offers better strength & convenient operation.
- Easy visual control of open / closed position marked on the handwheel / name plate.

END CONNECTION

- Screwed Female threads to IS:554 (parallel).

UTILISATION & SERVICE

- "LEADER" Forged Brass Gate valves are suitable for above-ground installations.
- Best suited for potable water, treated fresh water, neutral liquids & some gases.

WORKING PRESSURE

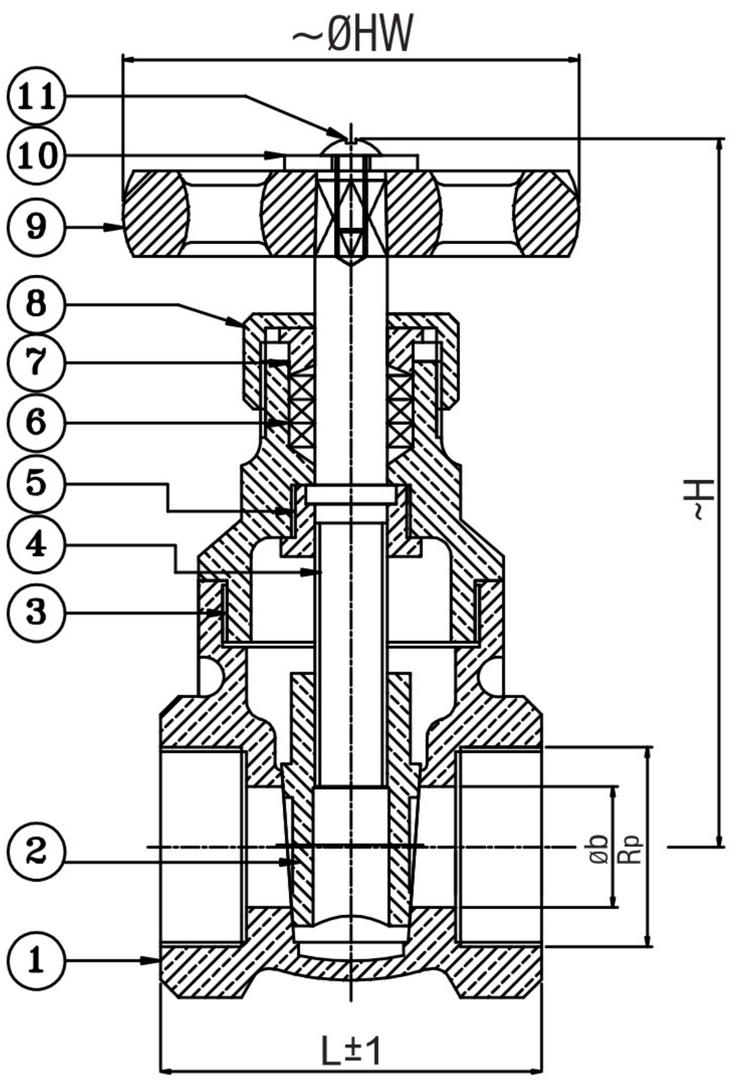
- Maximum Working Pressure: (Class-I) 10 Bar, (Class-II) 16 Bar.
- See Pressure / Temperature Diagram.

TEMPERATURE LIMITS

- Maximum working temperature: 45°C
- See Pressure / Temperature Diagram.

PRESSURE RATING: 2 MPa

TEST PRESSURE (Hydrostatic)	
BODY	SEAT
3 Mpa (435 psig)	2.2 Mpa (319 psig)



SUITABLE FOR

Water	Oil	Air	Gases
✓		✓	✓

DIMENSION TABLE

SIZE (mm)	15	20	25
L	52	56	65
Øb	12.7	19	25
~H	76	82	100
~ØHW	48	60	60
RP	1/2"	3/4"	1"
Item Code	IS026	IS026	IS026

MATERIAL SPECIFICATION

P.No.	NAME OF PART	MATERIAL	SPECIFICATION
1	BODY	FORGED BRASS	IS 6912 Gr. FLB
2	WEDGE	FORGED BRASS	IS 6912 Gr. FLB
3	BONNET	FORGED BRASS	IS 6912 Gr. FLB
4	STEM	FORGED BRASS	IS 6912 Gr. FHTB1
5	STEM NUT	FORGED BRASS	IS 6912 Gr. FHTB1 / IS 6912 Gr. FLB
6	GLAND PACKING	HEMP & JUTE	IS 5414
7	GLAND	FORGED BRASS	IS 6912 Gr. FHTB1 / IS 6912 Gr. FLB
8	GLAND NUT	FORGED BRASS	IS 6912 Gr. FHTB1 / IS 6912 Gr. FLB
9	HAND WHEEL	CAST IRON (IS 210 Gr. FG200) / M.S. SHEET (POWDER COATED)	
10	WASHER	STEEL	IS 2062
11	SET SCREW	STEEL	ANY GRADE

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