

GATE VALVE



MATERIAL SPECIFICATION

SR. NO	DESCRIPTION	MATERIAL
1	BODY	WCB/CF8/CF8M/CF3/CF3M
2	BONNET	WCB/CF8/CF8M/CF3/CF3M
3	WEDGE	WCB+13% CR. STEEL/CF8/CF8M/CF3/CF3M
4	SPINDLE	WCB/CF8/CF8M/CF3/CF3M
5	SEAT RING	WCB+13% CR. STEEL/CF8/CF8M/CF3/CF3M

6	BACK SEAT	SS 410/SS 304/SS 316/SS 304 L/SS 316 L
7	GLAND BUSH	WCB/CF8/CF8M/CF3/CF3M
8	GLAND FLANGE	WCB/CF8/CF8M/CF3/CF3M
9	YOKE BUSH	SG IRON/BRONZE
10	YOKE NUT	SG IRON/BRONZE
11	GLAND PACKING	GRAPHITE ASBESTOS/GRAPHOIL/PTFE
12	BONNET GASKET	SPIRAL WOUND SS304/SS316 WITH GRAPHITE FILLER
13	HAND WHEEL	CARBON STEEL/SG IRON
14	BONNET STUD & NUT	ASTM A 193 Gr. B7/B7M /ASTM A 194 Gr. 2H/8M
15	CROSS BOLT	ASTM A 193 Gr. B7/B7M /ASTM A 194 Gr. 2H/8M
16	EYE BOLT & NUT	ASTM A 193 Gr. B7/B7M /ASTM A 194 Gr. 2H/8M
17	GREASE NIPPLE	BRASS/STEEL

TEST PRESSURE

CLASS	HYDROSTATIC	SEAT TEST	AIR TEST
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150#	31.5 Kg/cm ²	22 Kg/ cm ²	7 Kg/ cm ²
300#	79 Kg/cm ²	58 Kg/cm ²	7 Kg/cm ²
600#	157.5 Kg/cm ²	114 Kg/cm ²	7 Kg/cm ²

TECHNICAL DATA

DESIGN STANDARD	BS 1414/ASME B 16.34
INSPECTION & TESTING STANDARD	BS EN ISO 12266-I (BS 6755-I)
FLANGE TO FLANGE DIMENSION	AS PER ANSI B 16.5/BS 2080
	FLANGE END AS PER ANSI B 16.5, CLASS 150/300/600
	BS 10 TABLE D / TABLE E / TABLE F / TABLE H
	SCREWED END BSP/NPT (ON REQUIREMENT)
END CONNECTION	SOCKET WELDED
MANUFACTURING SIZE RANGE	½" TO 12"
PRESSURE RATING OF VALVE	150#/300#/600#
VALVE OPERATION	MANUAL HAND WHEEL/ GEAR
LEAKAGE	CLASS IV (NO LEAKAGE)

FEATURES OF GATE VALVE

- COMPACT DESIGN
- LONGER LIFE
- BOLTED BONNET
- SMOOTH OPERATION
- SEAT RING SCREWED IN BODY (REPLACEABLE SEAT) OR INTERGAL TYPE
- DIE MOULD GRAPHITE PACKING RING SUITABLE FOR HIGH TEMPERATURE
- LAPPED DISC AND SEAT FACES

SPECIAL OPTION AVAILABLE FOR GATE VALVE

- EXTENDED BONNET TYPE
- GEAR OPERATED
- STABILIZED DISC, SEAT RING & BACK SEAT ALSO AVAILABLE ON REQUIREMENT
- NON-RISING STEM ALSO AVAILABLE ON REQUIREMENT