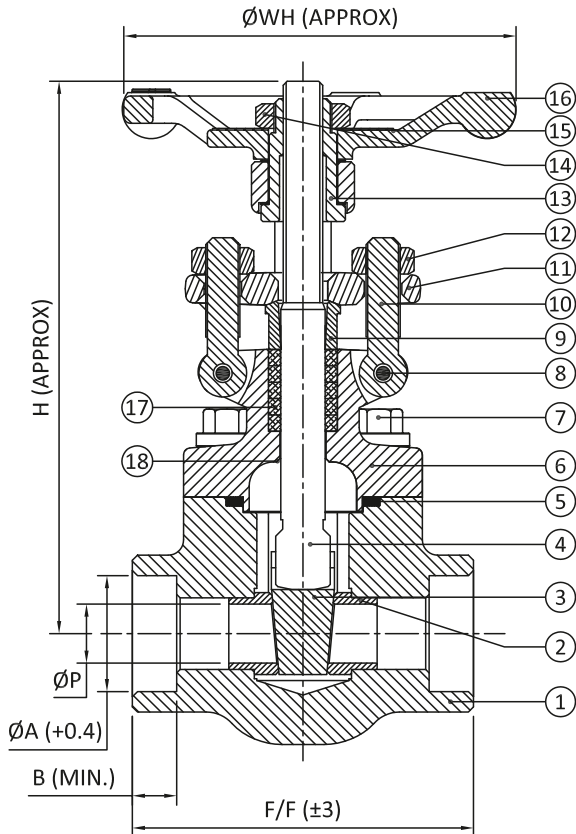


#### DESIGN STD :-

- Gate valve design : API 602 / ISO 15761
- Face-to-face : Swastik STD. (Screwed/socket-weld/butt-weld)
- End connection : ASME B 16.10 (flanged)
- Valve testing : ASME B 1.20.1(NPT), BS 21/ISO 7 (screwed-taper)
- Pressure & Temp. rating : BS 2779/ISO 228, BS 21/ISO 7 (screwed-parallel)
- Valve testing : ASME B 16.5 RF 125-250 Ra (Flanged)
- Pressure & Temp. rating : API 598
- Pressure & Temp. rating : ASME B 16.34

## GATE VALVE CLASS 800



#### Materials

Part no.	Part Name	Material
1	Body	ASTM A 105
2	Seat ring	ASTM A 276 Type SS-410
3	Wedge	ASTM A 217 Gr. CA-15
4	Stem	ASTM A 182 Gr. F6a
5	Gasket	S.S 304 Spiral wound+graphite
6	Bonnet	ASTM A 105
7	Hex bolt	ASTM A 193 Gr. B7
8	Eye bolt pin	ASTM A 276 Type SS-410
9	Gland bush	ASTM A 276 Type SS-410
10	Eye bolt	ASTM A 193 Gr. B7
11	Gland flange	ASTM A 105
12	Eye bolt nut	ASTM A 194 Gr. 2H
13	Yoke sleeve	ASTM A 582 Gr. SS-416
14	Stem nut	ASTM A 194 Gr. 2H
15	Name plate	Stainless steel
16	Hand wheel	MI / SG iron
17	Gland packing	Flexible graphite ring
18	Back sheet	Integral

#### Dimensions (Class 800)

Size (NB)	15	20	25	40	50
Face to Face	73	80	100	120	130
H (open)	151	157	186	237	268
H (close)	135	137	162	201	223
ØWH	86	86	116	150	150
ØP	9.5	12.7	17.5	28.6	36.5
ØA	21.8	27.2	33.9	48.8	61.2
B	9.5	12.5	12.5	12.5	16.0

#### Test Requirement

Test	Medium	Class 800	Time
		Kg/cm2	Sec.
Shell	Water	211	15
Back seat	Water	153	15
Seat	Water	153	15
Seat	Air	7	15

#### WHY “M-FLOW” GATE VALVE?

- Bolted bonnet
- Outside screw and yoke
- Rising stem
- Integral backseat
- Standard port
- Graphite packing
- Stainless steel/graphite gaskets