

DESCRIPTION

Pennant Gate Valves conform to API 600 / API 602 / API 603 and are provided with smooth machined full bores. Full opening of the wedge eliminates additional pressure drop across the valve. Long screwed-in replaceable seat rings ensure perfect tightness for a longer period of service.

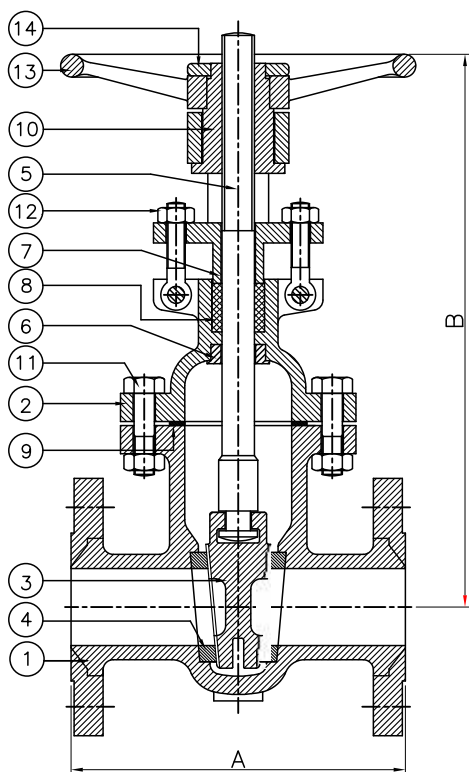
STANDARD:

DESIGN STANDARD	API 600 / API 602 / API 603
INSPECTION & TESTING STANDARD	API 598
FACE TO FACE	AS PER ANSI B 16.10/MANUFACTURING STD.
END CONNECTIONS	FLANGED ENDS-ANSI B16.5 BUTTWELD ENDS-ANSI B16.25 SOCKETWELD ENDS-ANSI B16.11
SIZE RANGE	DN15 to DN300
PRESSURE RATING	#150, #300 & #800
OPERATION	HAND WHEEL / GEAR / PNEUMATIC CYLINDER / ELECTRICAL ACTUATOR OPERATED

MATERIAL:

NO.	PART NAME	MATERIAL	QTY.
1	BODY	ASTM A216 Gr. WCB	1
2	BONNET	ASTM A216 Gr. WCB	1
3	WEDGE	ASTM A216 Gr. WCB with 13% Cr. steel deposited-min 250 BHN	1
4	SEAT RING	AISI 410 (13% Cr. Steel)-min 300 BHN	2
5	STEM	AISI 410 (13% Cr. Steel)	1
6	BACK SEAT BUSH	AISI 410 (13% Cr. Steel)	1
7	GLAND/FLANGE	ASTM A216 Gr. WCB	1
8	GLAND PACKING	GRAFOIL-TOP BRAIDED RING & MIDDLE MOULDED RING	1set
9	GASKET	GRAPHITED ASBESTOS/ Non CAF	1
10	YOKE SLEEVE	CARBON STEEL /D2	1
11	BONNET STUD/NUT	ASTM A193 Gr. B7 / ASTM A194 Gr. 2H	*
12	EYE BOLT & NUT	ASTM A193 Gr. B7 / ASTM A194 Gr. 2H	2/2
13	HAND WHEEL	S. G. IRON / CAST IRON	1
14	WHEEL NUT	M. S.	1
*	VARIES WITH SIZE		

**GATE VALVES (FLANGED)
#150 & #300**



DIMENSION TABLE:

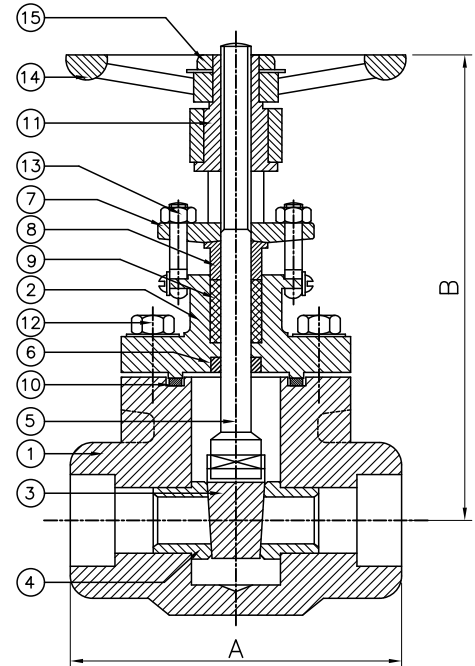
Size	#150				#300		
	A		B	Approx. WT	A	B	Approx. WT
	RF	BW					
25	127	127	95	7.5	165	257	11
40	165	165	112	13	190	256	18
50	178	216	116	15	216	265	20
65	191	241	150	25	241	350	35
80	203	282	141	32	283	400	48
100	229	305	184	47	305	502	58
125	254	381	189	52	381	635	65
150	267	403	240	63	403	635	80
200	292	419	289	126	419	662	140
250	330	457	245	214	457	735	250
300	356	502	297	253	502	755	280

All Dimensions are in mm. weights in kg.

GATE VALVES (SOCKET WELD) #800

MATERIAL:

NO.	PART NAME	MATERIAL	QTY.
1	BODY	ASTM A 105	1
2	BONNET	ASTM A 105	1
3	WEDGE	AISI 410 (13% CR. STEEL)-MIN. 250 BHN	1
4	SEAT RING	AISI 410 (13% CR. STEEL)-MIN. 300 BHN	2
5	STEM	AISI 410 (13% CR. STEEL)	1
6	GLAND FLANGE	ASTM A 105	1
7	GLAND BUSH	AISI 410 (13% CR. STEEL)	1
8	GLAND PACKING	GRAFOIL-TOP BRAIDED RING & MIDDLE MOULDED RING	1 Set
9	GASKET	S.S. SPIRAL WOUND WITH CAF / GRAFOIL	1
10	YOKE SLEEVE	CARBON STEEL /D2	1
11	BONNET BOLT	ASTM A 193 GR. B7	4
12	EYE BOLT & NUT	ASTM A193 GR. B7/ ASTM A194 GR. 2H	2/2
13	HAND WHEEL	S. G. IRON /MALLEABLE IRON	1
14	HAND WHEEL NUT	M. S.	1



DIMENSION TABLE:

SIZE	A	B	APPROX. WT.
15	85	123	1.9
20	92	136	2.5
25	105	144	3.2
40	125	182	7.9
50	135	204	10.5

GATE VALES - F eatures

- Valves provided with back seating arrangement.
- Solid & flexible wedges are available.
- Flanged ends/ Butt weld ends/ Socket weld ends are available
- Bi-directional shut-off
- Optional electrical gear & Pneumatic actuator operated
- Outside screw and yoke construction
- Hardness difference between seat ring & wedges is min. 50 BHN

All Dimensions are in mm. weights in kg.

Local regulations may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only. In the interest of development and improvement of the product, we reserve the right to change the specifications without prior notice.