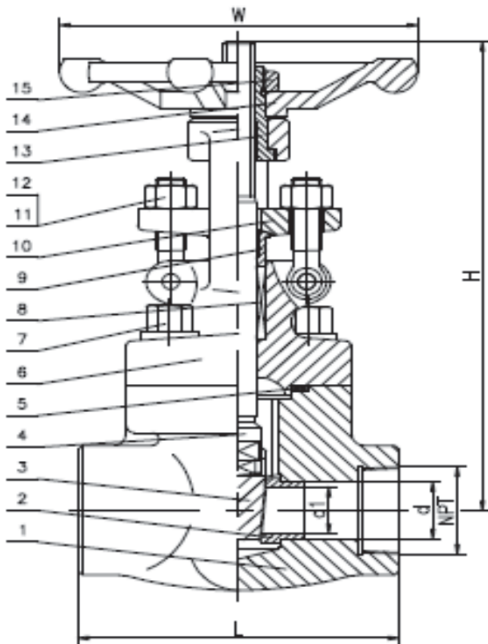


RGA Series Forged Steel Reduced Bore Gate Valve - ANSI Class 800

The "RGA" range of Forged Steel Gate valves are manufactured with a high integrity forged body with bolted bonnet. The valve design includes Out Screw & Yoke construction with solid wedge and integral back seat. The range offers secure sealing at pressure classes upto ANSI Class 800 lbs pressure and temperature ratings. Packing type offered is flexible graphite. Available in carbon steel as standard with alloy steels by request.



No	Name	Material
1	Body	ASTM A105N
2	Seat	ASTM A276 Gr 410 + STL
3	Wedge	ASTM A182 Gr F6a
4	Stem	ASTM A182 Gr F6a
5	Gasket	Graphite / SS304
6	Bonnet	ASTM A105N
7	Bonnet Bolt	ASTM A193 GR B7
8	Packing	Graphite
9	Packing Gland	ASTM A276-410
10	Gland Flange	ASTM A105
11	Gland Bolt	ASTM A193 GR B7
12	Gland Nut	ASTM A194 GR 2H
13	Stem Nut	AISI 1025
14	Handwheel	ASTM A197
15	Locking Nut	AISI 1025
16	Name Plate *	Aluminium

* Not shown on drawing

Design Features

- Design and manufacture to API602
- Face to Face dimension as per ANSI B16.10
- Threaded / Socket Weld connections to ASME B16.11
- Pressure Temperature rating to ASME B16.34
- Test and Inspection to API598
- Body marking as per MSS-SP-25

Dimensions for Class 800, RB Forged Gate Valve in mm

NPS	L	d1	d	NPT	H	W	Wt(Kg)
1/2	79	10.5	15	1/2	161	100	2.0
3/4	92	13.5	20	3/4	163	100	2.3
1	111	18	25	1	196	125	4.3
1 1/4	120	24	32	1 1/4	223	160	5.9
1 1/2	120	29	40	1 1/2	251	160	6.9
2	140	36.5	50	2	290	180	11.1

Test Pressures - ANSI Class 800		
Body (Hydro)	21.0	mPa
Seat (Hydro)	15.4	mPa
Seat (Air)	0.6	mPa
Back Seat (Hydro)	15.4	mPa
Suitable Temperature	-29 to 425	° C
Suitable media	Water, Gas, Oil etc	