

**CLASS  
800**

# RP&C FORGED STEEL GATE VALVES

**ES56A** NPT ENDS SIZES 1/4" THRU 2"

**ES57A** SOCKET WELD ENDS

- **STAINLESS STEEL**
- **ASTM A182 Gr. F316/F316L**
- **STANDARD PORT**
- **OS&Y – BOLTED BONNET**
- **WORKING PRESSURE (NON-SHOCK)**  
600 PSIG @ 1200° F. Steam-Oil  
800 PSIG @ 1130° F. Steam-Oil  
1920 PSIG @ -20° To 100° F.
- **CONFORM TO THE APPLICABLE PARTS OF THE FOLLOWING SPECIFICATIONS:**  
API  
API 591 API 598 API 602  
ASME/ANSI  
B1.20.1 B16.11 B16.34 B31.1 B31.3

NOTE: Valve can be furnished to meet NACE SPEC. MR0175.

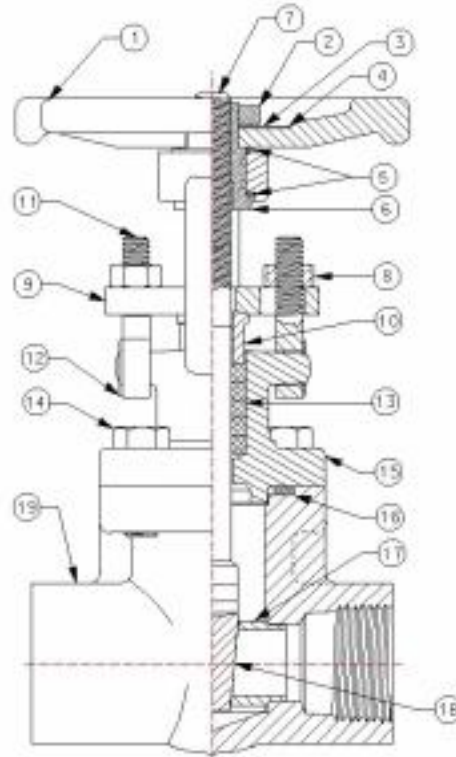
- **MATERIALS OF CONSTRUCTION**  
A TRIM (316 SST) STANDARD (See Page 8 for optional trims)

No.	Part	Material	ASTM Spec.	Remarks
1	Handwheel	Malleable Iron	A47	Gr. 32510
2	Handwheel Nut	Steel	A108	
3	Internal Tooth Lockwasher	Steel		
4	Nameplate	Aluminum		
5	Thrust Washer	Stainless Steel		Hardened
6	Operating Nut	416 Stainless Steel	A582	
7	Stem	316 Stainless Steel	A276	
8	Gland Nuts	303 Stainless Steel	A194	Grade 8F
9	Gland Flange	316 Stainless Steel	A240	Grade 1018
10	Gland	316 Stainless Steel	B525	Gr. 2, Type 1
11	Eyebolt	316 Stainless Steel		
12	Eyebolt Washer	Carbon Steel		Grade 1018
13a	* Packing	Graphite		Grafoil® (241 or equal)
13b	* Wiper Rings	Braided Graphite		1630GF or equal
14	Bonnet Bolts	Alloy Steel	A193	Grade B8M Cl. 2
15	Bonnet	Forged Stainless Steel	A182	Gr. F316/F316L
16	* Gasket	316 SS/Grafoil®		Spiral Wound
17	Seat Rings	316 Stainless Steel	A276	Hard Faced
18	Wedge	316 Stainless Steel	A351	Grade CF8M
19	Body	Forged Stainless Steel	A182	Gr. F316/F316L

Operating Nut and Stem thread Lubricated

**\* Recommended Spare Parts**

Note: Materials of construction may vary due to availability and Production runs, however parts will still conform to the requirements of API 602.



DIMENSIONAL SPECIFICATIONS				NOTE: Dimensions shown are subject to change. Contact factory for certified prints (exact dimensions) when required.				
Size	Handwheel Dia.	End To End	Center to Top(Open)	Port	Socket Weld Bore	Socket Weld Depth	Approximate Weight	Typical Cv Factors
1/4	4	3	6-1/4	9/32	.555	.375	4	2.3
3/8	4	3	6-1/4	25/64	.690	.375	4	5.7
1/2	4	3	6-1/4	25/64	.855	.375	4	5.1
3/4	4	3-1/2	6-1/2	1/2	1.065	.500	4-1/2	9.3
1	4-1/2	4-1/8	8-1/2	3/4	1.330	.500	6-1/2	24.8
1-1/4	5-1/2	4-3/4	9-1/2	1-3/16	1.675	.500	13	67.8
1-1/2	5-1/2	4-3/4	9-1/2	1-3/16	1.915	.500	13	70.9
2	6-5/8	5-1/4	11-1/4	1-15/32	2.406	.625	18	91.6

## RP&C VALVE

A Division of Conbraco Industries, Inc.

RPBI9000-99

Hwy. 501 East  
Conway, SC 29526  
843/347-4666 (PHONE)  
843/347-1773 (FAX)