

RP&C FORGED STEEL GATE VALVES

**CLASS
800**

EF56D NPT ENDS SIZES 1/4" THRU 2"

EF57D SOCKET WELD ENDS

- **FORGED STEEL**
- **ASTM A105N LOW CARBON (.25 MAX.), NORMALIZED**
- **STANDARD PORT**
- **OS&Y – BOLTED BONNET**
- **WORKING PRESSURE (NON-SHOCK)**
460 PSIG @ 900° F. Steam-Oil
715 PSIG @ 850° F. Steam-Oil
1975 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.

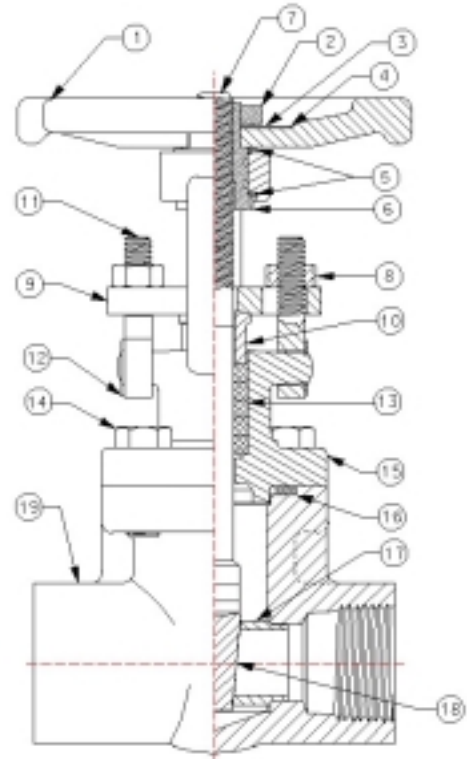
- **MATERIALS OF CONSTRUCTION**
D TRIM (13 Cr/HF) STANDARD (See Page 8 for optional trims)

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	410 Stainless Steel	A276	
8	Gland Nuts	303 Stainless Steel	A194	Grade 8F
9	Gland Flange	Carbon Steel	A108	Grade 1018
10	Gland	Carbon Steel	B484	Gr. 1, Cl. C, Type 1
11	Eyebolt	410 Stainless Steel		Hardened & Tempered
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 B7
15	Bonnet	Forged Steel, Normalized	A015N	Low Carbon
16	* Gasket	316 SS/Grafoil®		Spiral Wound
17	Seat Rings	410 Stainless Steel	A276	Hard Faced
18	Wedge	CA-15 Stainless Steel	A217	Heat Treated
19	Body	Forged Steel, Normalized	A105N	Low Carbon

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

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