

# API 6A Valves

Forum Energy Technologies (FET) is one of the energy industry's leading providers of production and drilling products and value-added services. From valves and seats to pistons and pumps, FET products are known for world class quality.

FET's API 6A XL Gate valve was designed with simplicity in mind, both with bidirectional sealing capabilities and low pressure up-stream sealing capability below 300psi. The seat insert sealing design also reduces internal body/gate contamination and gates are standard with tungsten carbide hard facing.

## Applications

FET XL Gate valve can be used in various applications, such as:

- Sweet/Sour Oil & Gas
- Wellheads
- Choke & Kill manifolds
- Emergency shutdown applications
- Fracturing
- Pipeline

## Specifications

- Available in sizes 2.1/16" to 4.1/16" and from 5,000 to 15,000 psi
- Suitable for High Pressure/High Temperature service (HPHT)
- Designed, manufactured and tested in accordance with API 6A Latest Edition
- Available in both Manual and Actuated configurations
- API 6A Monogrammed



# API 6A Valves

## Pressure & Temperature Ratings

Max. Working Pressure	Test Pressure	Product Specification Levels	Product Rating	API Temperature Rating
5,000 psi	7,500 psi	1, 2, 3 & 3G	1 & 2	L (-46 DEG C) TO X (+180 DEG C)
10,000 psi	15,000 psi	1, 2, 3 & 3G	1 & 2	L (-46 DEG C) TO X (+180 DEG C)
15,000 psi	22,500 psi	1, 2, 3 & 3G	1 & 2	L (-46 DEG C) TO X (+180 DEG C)

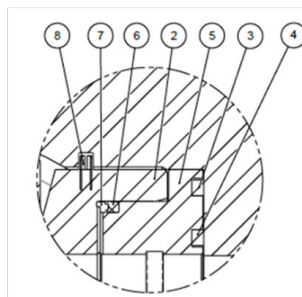
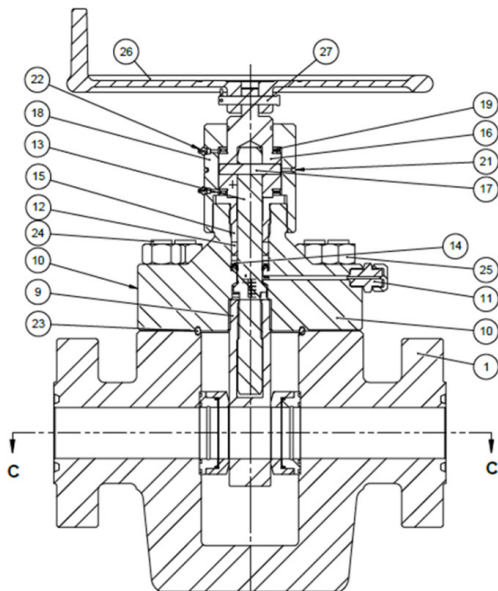
## Material Requirements

Material Class	Body, Bonnet, End And Outlet Connections	Pressure Controlling Parts E.g. Stems
AA—General Service	Carbon Or Low Alloy Steel	Carbon Or Low Alloy Steel
BB—General Service	Carbon Or Low Alloy Steel	Stainless Steel
CC—General Service	Stainless Steel	Stainless Steel
DD—Sour Service**	Carbon Or Low Alloy Steel*	Carbon Or Low Alloy Steel*
EE—Sour Service**	Carbon Or Low Alloy Steel*	Stainless Steel*
FF—Sour Service**	Stainless Steel*	Stainless Steel*
HH—Sour Service**	Corrosion Resistant Alloys*	Corrosion Resistant Alloys*

\*\*As defined in NACE MR-01-75

\*In accordance with NACE MR-01-75

General Note: Please contact Forum for any special material or dimensional requirements. Max working pressure stated are suitable for temperatures up to 121°C. De-rating of max. working pressure will occur as the operating temperature increases above 121°C. Consult Forum for further details.



ITEM NO.	DESCRIPTION	QTY.
1	BODY, MACH 3.1/16-15K PSL3 316	1
2	SEAT, MACH 3.1/16-15K	2
3	SEAL, EXT. PRES. 3.1/16-15K INSERT	2
4	SEAL, INT. PRES. 3.1/16-15K INSERT	2
5	INSERT, MACH 3.1/16-15K	2
6	SEAL, 3.06"-15K, INSERT O.D.	2
7	RING, CENTERING INSERT, 3.1/16"-15K	2
8	PIN, SLOT SPRG 1/8 X 3/8 LG	4
9	GATE, MACH 3.1/16-15K	1
10	BONNET, MACH 3.1/16-15K PSL3	1
11	FITTING, GREASE, 9/16 HP AC, VENTED CAP	1
12	RING, GLND 3.1/16-15K PTFE	1
13	STEM, MACH 3.1/16-15K 410 PSL3	1
14	SEAL, STEM PKG 3.1/16-15K	1
15	GLAND, PACKING, 3.1/16-15K	1
16	STEM ADAPTER, 3.1/16-15K	1
17	PIN, SHEAR, 3.1/16-15K	1
18	BEARING CAP, 3.1/16-15K	1
19	BRG, THRUST NEEDLE-ROLLER ASSY	2
20	-	-
21	O-RING, 429 NBR 70D	1
22	LUBE FITTING, BTC, BTE, ANSI, API	2
23	GASKET, BONNET, 3.1/16-15K	1
24	STUD, 1.250-8UN-2A x 7 LG Z-PLT	12
25	NUT, HVY HX 1.250-8UN-2B ZN-PLT	12
26	HANDWHEEL, FORUM, 22.00 O.D.	1
27	PIN, CLEVIS AND COTTER 1/2 X 3.5" LG.	1
28	NAMEPLATE, UNIVERSAL	-
29	U-DRIVE, SCREW 2X3/16 18-8 SS	6
30	TATTLE TALE TAMPER TAG 2"	-