

GATE VALVE API - 6D



SHREERAJ INDUSTRIES



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INTRODUCTION

Shreeraj Industries is specialize in making Valves and Fittings, manufactures a range of API 6D Valves for use in Oil Field, Pipelines, Chemical Plants, Refineries, Power Plants and General Industrial Processing. Cast Steel Valves are designed and manufactured to meet API specification and are highly dependable and easy to maintain.

Shreeraj Industries is holder of Certificate of Authority to use the official API Monogram.

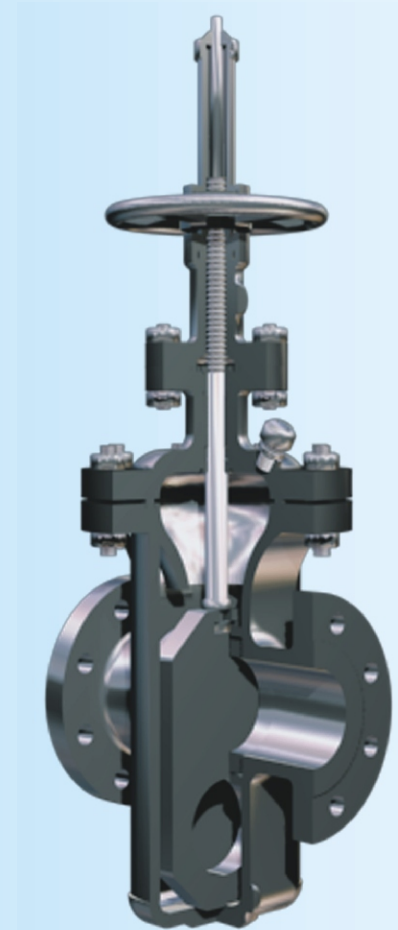
Shreeraj Industries' Valves have been widely accepted because they meet and exceed all required specification.

The Valves are available in different pressure ranging from ANSI class 150 to class 2500 (PN 20 to PN 420), sizes from 2" to 24" (50 mm to 600 mm) with either Flange ends or Butt-weld ends.

Operation of these Valves can be Manual, Geared or Motor Actuated.

The seats have non-metallic insert, which serve as wiper to keep the gate face free from solid. The sealing is not affected by pressure variation or vibration.

Parallel expanding gate design can be provided for mechanical seal between seat and gate ensuring valve integrity at both high and low line pressure, which allows the body cavity to be bleed in close position.

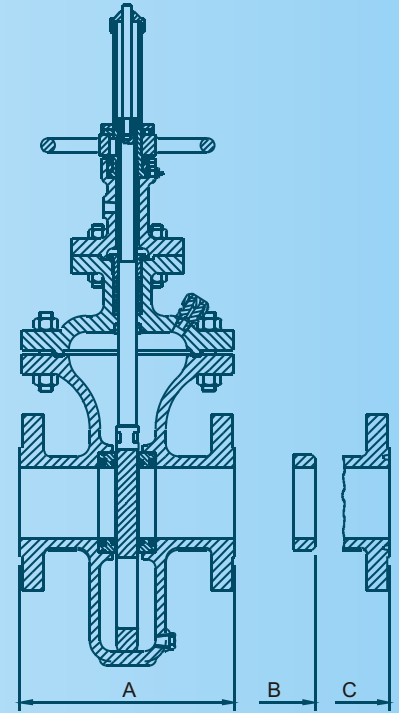


FEATURES

- FULL FLOW** : Full Round Bore (Through Conduit) design allows the fluid to flow through the valve smoothly without causing turbulence and minimize pressure drop. The absence of surface cavity eliminates accumulation foreign matter and allows passage of tools through the valve.
- PROTECTION AND LONG LIFE SEATS** : Seats are fully protected from blow in both open and close position because of this and also of their large seating area they give especially long service.
- ONLINE RE-PAIRABILITY** : Online replacement of seal and seat is possible, the valves can also be repacked while under pressure.
- BLOCK AND BLEED** : The slab gate design utilizes two floating seats, which are pressure energized, moving the upstream seat in contact with the Gate and subsequent application of line pressure to the Valve bring about a tight and complete seal with both upstream and downstream. This two way seal is ideal for Block and Bleed.

DESCRIPTION OF COMPONENTS

BODY	ASTM A 216 GR. WCB
BONNET	ASTM A 216 GR. WCB
GATE	13% CROME
SEAT RING	13% CROME
STEM	AISI 410
YOKE	ASTM A 216 GR. WCB
BONNET STUD	ASTM A 193 GR. B7
BONNET STUD NUT	ASTM A 194 GR. 2H
STEM ENCLOSURE	CARBON STEEL
STEM INDICATOR	CARBON STEEL

**STANDARDS**

Design : API 6D
 Flange Detail : ANSI B 16.5
 Butt Weld End : ANSI B

CONSTRUCTION

Bolted Bonnet
 Out side Screw and
 Yoke

FACE TO FACE DIMENSION

CLASS	150# (PN 20)			300# (PN 50)			600# (PN 100)		
	SIZE	A	B	C	A	B	C	A	B
50	178	216	191	216	216	232	292	292	295
65	191	241	203	241	241	257	330	330	333
80	203	283	216	283	283	298	356	356	359
100	229	305	241	305	305	321	432	432	435
150	267	403	279	403	403	419	559	559	562
200	292	419	305	419	419	435	660	660	664
250	330	457	343	457	457	473	787	787	791
300	356	502	368	502	502	518	838	838	841
350	381	572	394	762	762	778	889	889	892
400	406	610	419	838	838	854	991	991	994
450	432	660	445	914	914	930	1092	1092	1095
500	457	711	470	991	991	1010	1194	1194	1200
600	508	813	521	1143	1143	1165	1397	1397	1407

**FACE TO FACE DIMENSION**

CLASS	150# (PN 20)			300# (PN 50)			600# (PN 100)		
	A	B	C	A	B	C	A	B	C
650	559	864	-	1245	1245	1270	1448	1448	1461
700	610	914	-	1346	1346	1372	1549	1549	1562
750	650	914	-	1397	1397	1422	1651	1651	1664
800	711	965	-	1524	1524	1553	1778	1778	1794
850	762	1016	-	1626	1626	1654	1930	1930	1946
900	800	1016	-	1727	1727	1756	2083	2083	2099

CLASS	900# (PN 150)			1500# (PN 250)			2500# (PN 420)		
	A	B	C	A	B	C	A	B	C
50	368	368	371	368	368	371	451	451	454
65	419	419	422	419	419	422	508	508	514
80	381	381	384	470	470	473	578	578	584
100	457	457	460	546	546	549	673	673	683
150	610	610	613	705	705	711	914	914	927
200	737	737	740	832	832	841	1022	1022	1038
250	838	838	841	991	991	1000	1270	1270	1292
300	965	965	968	1130	1130	1146	1422	1422	1445
350	1029	1029	1038	1257	1257	1276			
400	1130	1130	1140	1384	1384	1407			
450	1219	1219	1232	1537	1537	1559			
500	1321	1321	1334	1664	1664	1686			
600	1549	1549	1568	1943	1943	1972			

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