

# API603 stainless steel flanged gate valve



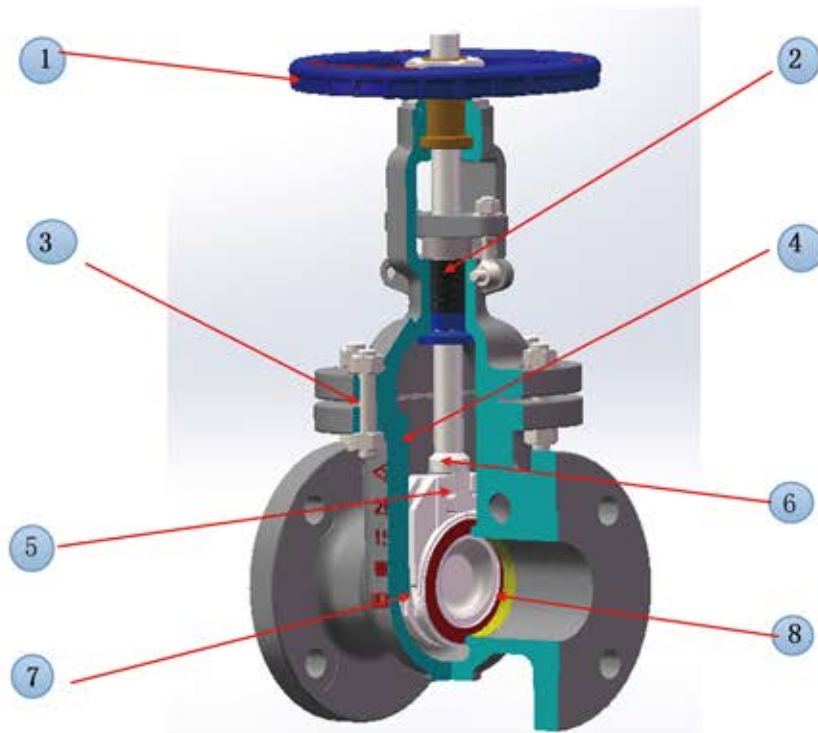
## PRODUCT OVERVIEW

<b>Body material:</b>	ASTM A351/A351M CF8
<b>Size range:</b>	2" ~ 12"
<b>Pressure rating:</b>	Class 150lb
<b>Operating temperature:</b>	-29 ~ 150°C
<b>End connection:</b>	Flanged
<b>Applicable medium:</b>	Water, Steam, Oil, Nitric acid liquid
<b>Mode of operation:</b>	Manual
<b>Applicable industry:</b>	Chemical & Petrochemical, Oil & Gas, Mining & Minerals, Power generation, Water & Water Treatment, Pulp & Paper, Municipal, Heating & Ventilation
<b>Design &amp; Manufacture:</b>	API, ASME, ASTM, ANSI, BS, DIN, JIS, ISO, GB

## DESIGN FEATURES

- 1.The valve allows to remove the handwheel in the fully open position;
- 2.The packing can be replaced with different materials and structures according to the requirements of customer;
- 3.The medium-caliber gasket is made of PTFE (polytetrafluoroethylene), which has good sealing performance;
- 4.The integral guide rail inside the valve body can ensure that the gate plate is aligned at any position during the process of opening and closing;
- 5.The joint strength between the valve stem and the gate plate is higher than that of the thread of the valve stem;
- 6.The anti-blow-out valve stem is designed with a tapered upper sealing surface. When the valve is fully opened, it is in close contact with the valve bonnet;
- 7.The elastic wedge gate plate can compensate the distortion of the seat ring surface and the deformation of the valve body caused by the pipeline stress;
- 8.The valve seat is processed and installed on the body, and customers can choose different surfacing materials for the sealing surface according to their own demands.



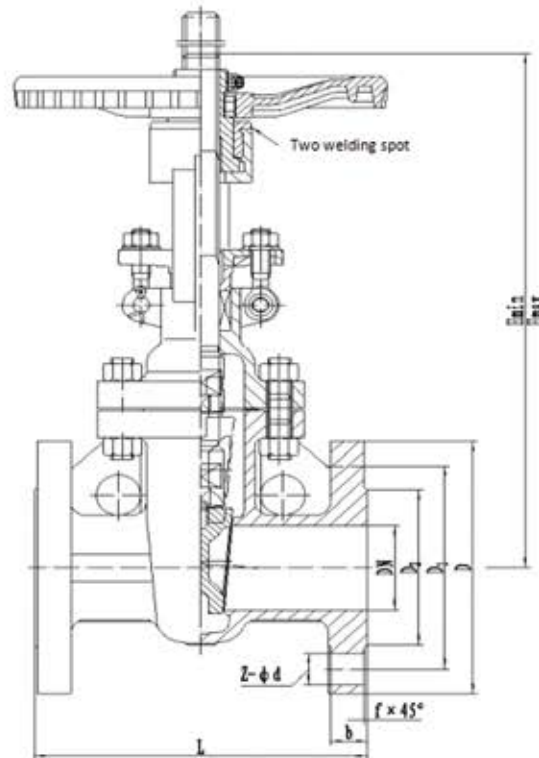


( Structure )

## VALVE MATERIAL LIST

Part name	Material
Valve body, Bonnet	ASTM A 351/A 351M CF8
Gate plate	ASTM A 351/A 351M CF8
Valve stem	ASTM A 965/A 965M F304
Stem nut	ASTM B148 C95200
Medium-caliber gasket, packing	PTFE

## TECHNICAL SPECIFICATIONS



Model	NPS	DN (mm)	Size(mm)								
			L	D	D <sub>1</sub>	D <sub>2</sub>	b-f	z-φd	Hmax	Hmin	D <sub>0</sub>
Z41H-300LB	2"	50.8	178	150	120.7	92.1	19.5-2	4-φ19	304	361	200
	2 1/2"	65	190	180	139.7	104.8	22.7-2	4-φ19	332	409	200
	3"	80	203	190	152.4	127	24.3-2	4-φ19	367	458	200
	4"	101.6	229	230	190.5	157.2	24.3-2	8-φ19	420	530	240
	5"	127	254	255	215.9	185.7	24.3-2	8-φ22.5	507	635	280
	6"	152.5	267	280	241.3	215.9	25.9-2	8-φ22.5	560	718	320
	8"	203.5	292	345	298.5	269.9	29-2	8-φ22.5	715	927	360
	10"	254	330	405	362	323.8	30.6-2	12-φ25.5	889	1155	400
	12"	305	356	485	431.8	381	32.2-2	12-φ25.5	1036	1354	450