

API600 stainless steel flanged gate valve



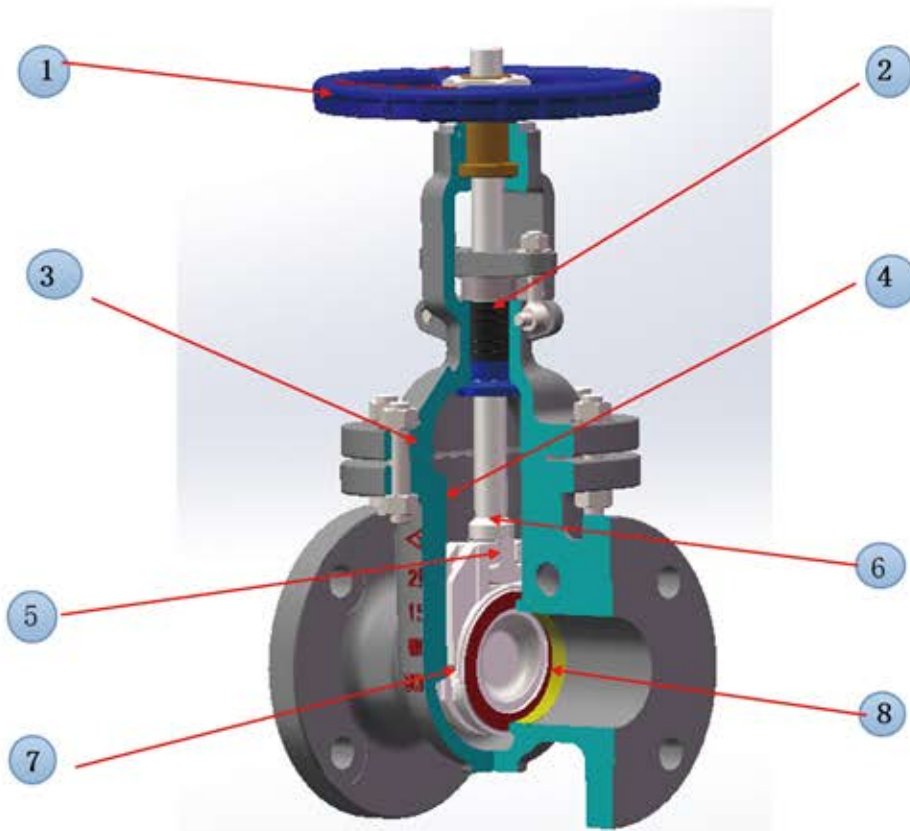
PRODUCT OVERVIEW

Body material:	ASTM A 351/A 351M CF8
Size range:	2" ~ 24"
Pressure rating:	Class 150lb
Operating temperature:	-29 ~ 150°C
End connection:	Flanged
Applicable medium:	Water , Steam, Oil, Nitric acid liquid
Mode of operation:	Manual
Applicable industry:	Chemical & Petrochemical, Oil & Gas, Mining & Minerals, Power generation, Water & Water Treatment, Pulp & Paper, Municipal, Heating & Ventilation
Design & Manufacture:	API, ASME, ASTM, ANSI, BS, DIN, JIS, ISO, GB

DESIGN FEATURES

1. The valve allows to remove the hand wheel 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.



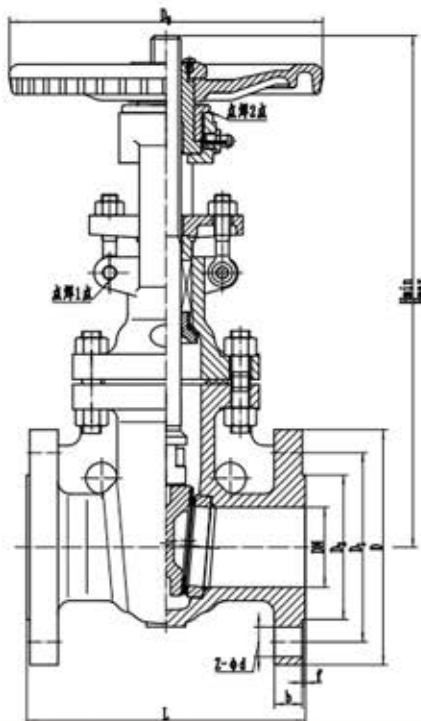


(Structure)

VALVE MATERIAL LIST

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

TECHNICAL SPECIFICATIONS



Model	DN (mm)	Size(mm)									
		L	D	D ₁	D ₂	b-f	z-φd	H ₁	H ₂	D ₀	
API(B) Z41W -150L B(P)	2"	51	178	150	120.7	92.1	17.5-2	4-φ19	390	330	200
	2 1/2"	64	190	180	139.7	105	20.7-2	4-φ19	435	350	200
	3"	77	203	190	152.4	127	22.3-2	4-φ19	510	410	240
	4"	102	229	230	190.5	157	22.3-2	8-φ19	580	465	280
	5"	127	254	255	215.9	186	22.3-2	8-φ22.2	660	515	280
	6"	153	267	280	241.3	216	23.9-2	8-φ22.2	775	610	320
	8"	204	292	345	298.5	270	27-2	8-φ22.2	965	745	360
	10"	254	330	405	362	323.8	28.6-2	12-φ25.4	1165	890	400
	12"	305	356	485	431.8	381	30.2-2	12-φ25.4	1370	1040	450
	14"	337	381	535	476.3	412.8	33.4-2	12-φ28.5	1545.5	1181.5	560
	16"	388	406	595	539.8	469.9	35-2	16-φ28.5	1744	1325	560
	18"	439	432	635	577.9	533.4	38.1-2	16-φ31.8	1930	1440	640
	20"	489	457	700	635	584.2	41.3-2	20-φ31.8	2135	1597	640
	24"	591	508	815	749.3	692.2	46.1-2	20-φ35	2531	1906.5	720