

STANDARD MATERIAL To API 600

Trim Code	Seat Ring Surface Part No.2	Wedge Surface Part No.3	Stem Part No.4
1	F6	F6	F6
2	F304	F304	F304
5	Stellite	Stellite	F6
8	Stellite	F6	F6
9	Monel	Monel	Monel
10	F316	F316	F316
13	Alloy 20	Alloy 20	Alloy 2

Note: Usually, trim2 and trim 10 are not adopted because the sealing face would be destroyed easily.

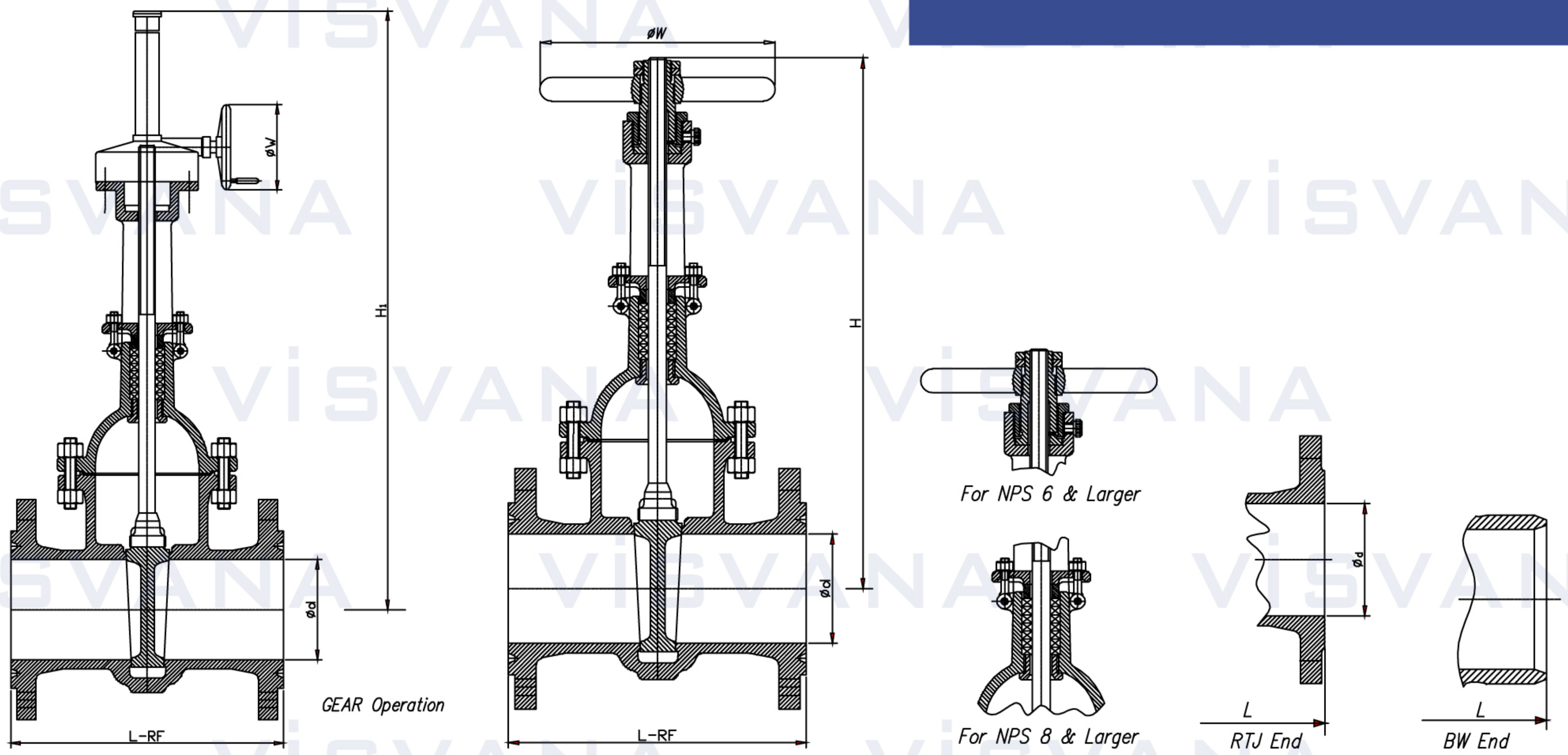
Standards

Design and Manufacture	API 600, API6D
Inspection and Test	API598, API6D, API600
End Falnge dimension	ASME B16.5
End Falnge dimension	ASME B16.47 A, MSS SP-44
End Falnge dimension	ASME B16.47 B, API605
BW end dimension	ASME B16.25
Face to face	ASME B16.10
Pressure-temperature ratings	ASME B16.34

Standard Material specifications

Parts name	Carbon steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM				
1 Body	A216 WCB	A352 LCB	A217 WCI	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	
8 Bonnet	A216 WCB	A352 LCB	A217 WCI	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	
6 Bolts	A193 B7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8	
5 Nuts	A194 2H	A194 4	A194 2H	A194 4	A194 4	A194 4	A194 8	A194 8	A194 8	A194 8	
11 Gland	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F304	A182 F316	A182 F304L	A182 F316L	
12 Gland Flange	A216 WCB	A352 LCB	A217 WCI	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	
2 Disc	A216 WCB	A352 LCB	A217 WCI	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	
7 Gasket	SS Spiral Wound W/graphite, or SS Spiral Wound W/PTFE, or Reinforced PTFE										
10 Packing	Braided graphite, or Die-formed graphite ring or PTFE										
13 Stem Nut	Copper alloy or A439 D2										
14 Hand Wheel	Ductile iron or Carbon steel										

Noted: The chart above only lists out some common composition of steel gate valve parts, we may provide other different parts material composition according to the customer's request or the actual valve working condition.



Class 600 & Class 900 Gate Valve

Class	Size		Dimensions (mm)								Weight (Kg)	
	NPS	DN	L			d	H	H1	W	W1	H.W	G.O
			RF	RTJ	BW							
600	2	50	292	295	292	50	380		200		37	
	2 1/2	65	330	333	330	63	420		250		50	
	3	80	356	359	356	76	500	585	280	310	82	87
	4	100	432	435	432	100	575	695	300	310	142	134
	5	125	508	511	508	127	700	790	350	310	175	227
	6	150	559	562	559	150	750	900	450	460	245	286
	8	200	660	664	660	199	850	1110	500	460	423	472
	10	250	787	791	787	247	1005	1300	650	460	682	657
	12	300	838	841	838	298	1130	1650	700	460	932	893
	14	350	889	892	889	326	1270	1750	900	530	1177	1318
	16	400	991	994	991	374	1365	1900	900	530	1513	1720
	18	450	1092	1095	1092	419		2020		600		1980
	20	500	1194	1200	1194	463		2172		600		2460
24	600	1397	1407	1397	558		2650		600		3650	
900	2	50	368	371	368	47	500		280		70	
	2 1/2	65	419	422	419	57	450		280		110	
	3	80	381	384	381	72	505		300	310	140	167
	4	100	457	460	457	98	575	625	350	310	178	227
	5	125	559	562	559	125	630	740	400	310	258	285
	6	150	610	613	610	146	795	900	500	460	358	396
	8	200	737	740	737	190	885	1000	650	460	550	627
	10	250	838	841	838	238	1035	1130	700	530	1000	1100
	12	300	965	968	965	282	1180	1520	900	530	1215	1310
	14	350	1029	1038	1029	311	1350	1600	900	530	1600	1665
	16	400	1130	1140	1130	355	1890	2100	900	600	2150	2330
18	450	1219			400		2232		800		3000	
20	500	1321			444		2435		800		3800	

Noted: We may provide other different actuators according to the customer's request, such as pneumatic, electric, hydraulic actuators, the details of them according to the actual valve working condition.