

## 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.

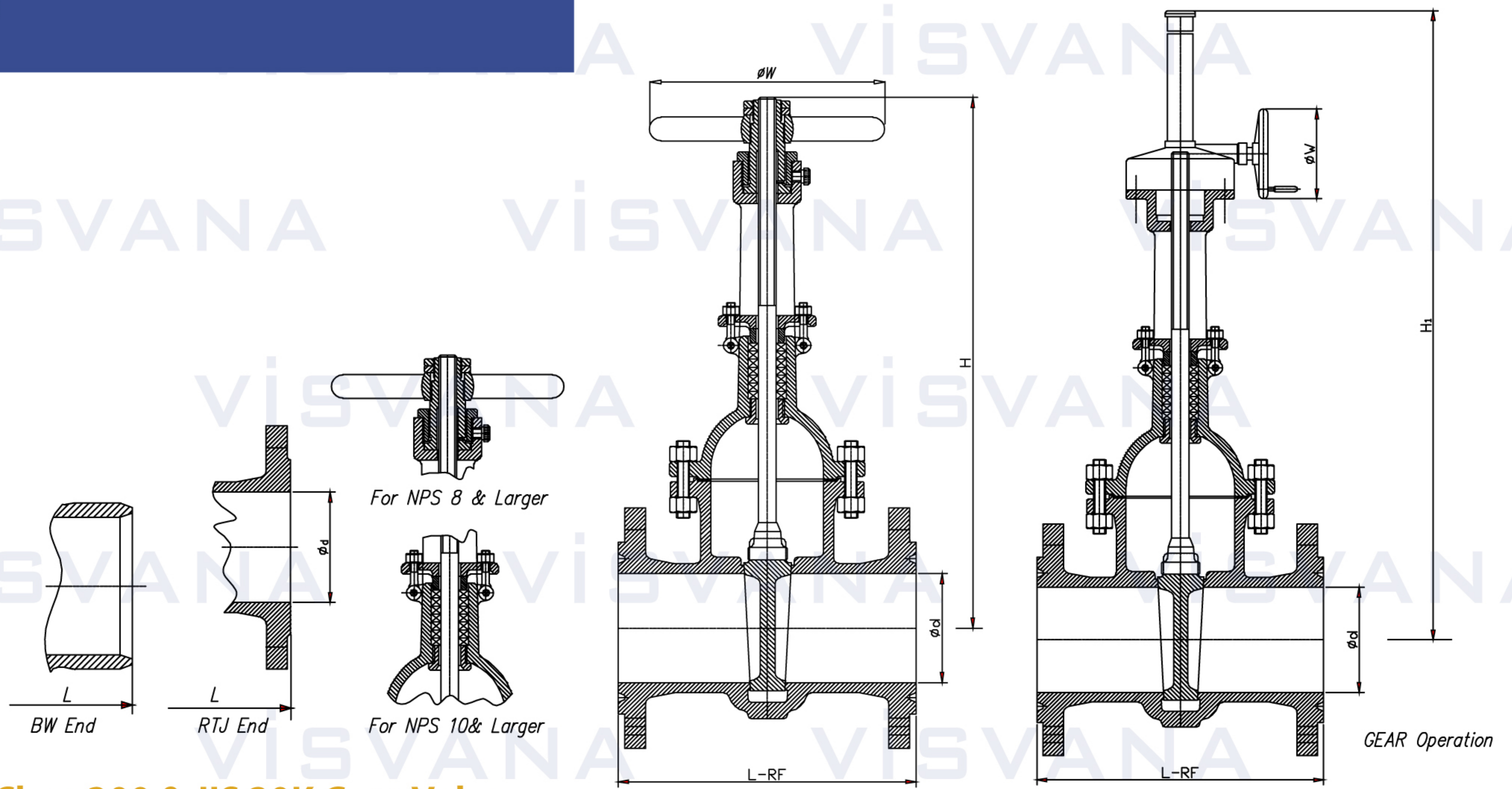
## Standards

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 300 & JIS 20K Gate Valve

Class	Size		Dimensions (mm)								Weight (Kg)	
	NPS	DN	L			d	H	H1	W	W1	H.W	G.O
			RF	RTJ	BW							
300 20K	1/2	15	140	151	140	14	198		120		6	
	3/4	20	152	165	152	19	215		140		7	
	1	25	165	178	165	25	220		160		8,5	
	1 1/4	32	178	191	178	31	306		180		15	
	1 1/2	40	190	203	190	38	342		200		18	
	2	50	216	232	216	50	364		200		26	
	2 1/2	65	241	257	241	63	385		200		36	
	3	80	283	298	283	76	460		250		55	
	4	100	305	321	305	100	540	650	280	310	67	100
	5	125	381	397	381	127	548	750	300	310	99	126
	6	150	403	419	403	150	649	835	350	310	147	186
	8	200	419	435	419	200	798	1030	400	310	228	235
	10	250	457	473	457	250	940	1255	450	460	332	416
	12	300	502	518	502	300	1129	1460	500	460	512	502
	14	350	762	778	762	336	1195	1585	600	460	715	756
	16	400	838	854	838	387	1340	1830	500	460	850	965
	18	450	914	930	914	431	1503	2000	650	460	1100	1224
	20	500	991	1010	991	482	1625	2175	750	530	1300	1400
	24	600	1143	1165	1143	584	1965	2620	900	530	2200	2385
	26	650	1245	1270	1245	633		2850		600		3000
28	700	1346	1372	1346	684		3080		600		3300	
30	750	1397	1422	1397	735		3180		600		3550	
32	800	1524	1553	1524	779		3300		600		4400	
34	850	1626	1654	1626	830		3550		600		5200	
36	900	1727	1756	1727	874		3760		600		6050	
40	1000	1956					4340		1000		8100	

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