

## 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.

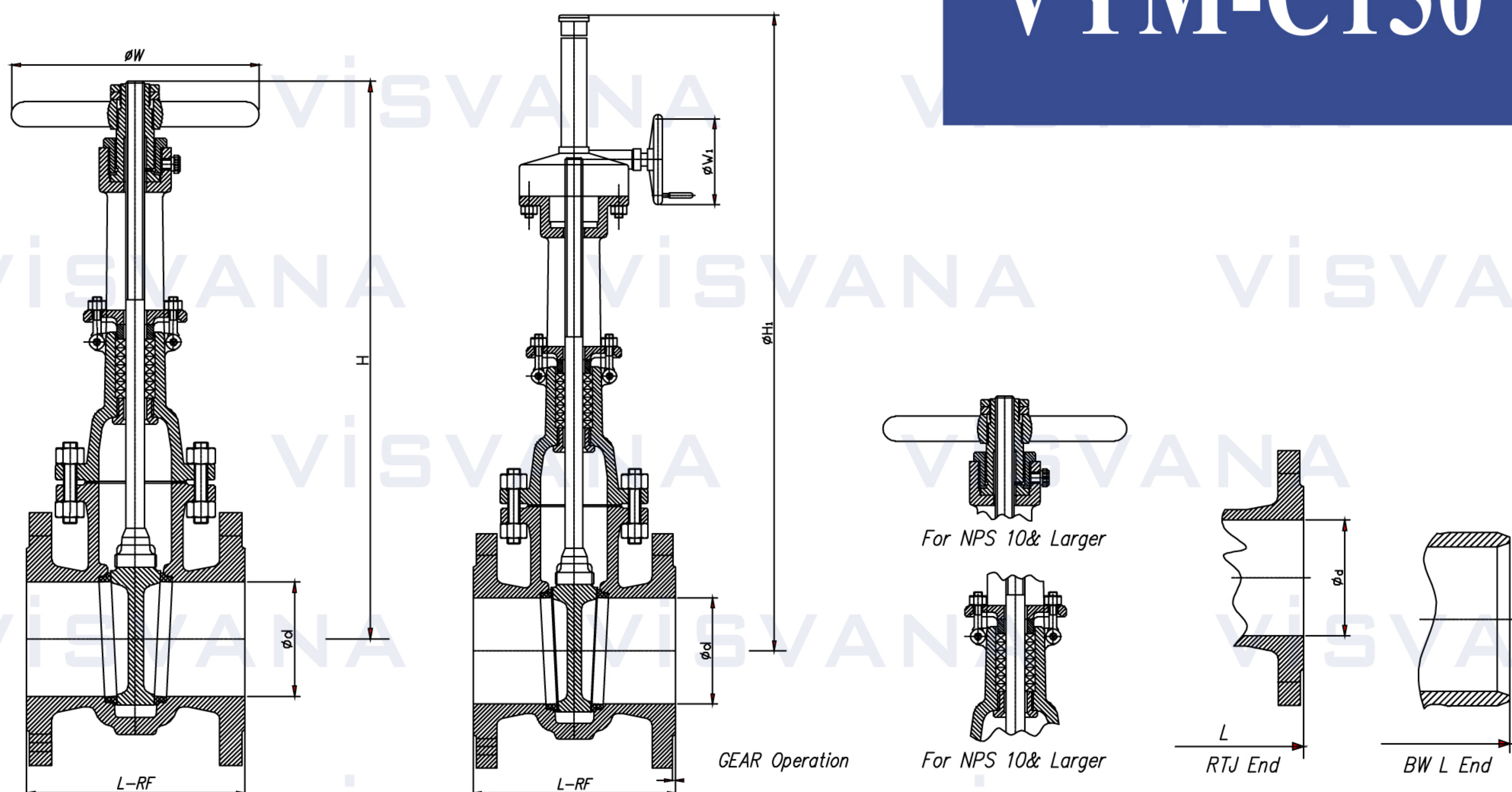
## Standards

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 150 & JIS 10K Gate Valve

Class	Size		Dimensions (mm)								Weight (Kg)	
	NPS	DN	L			d	H	H1	W	W1	H.W	G.O
			RF	RTJ	BW							
150 10K	1/2	15	108	119	108	14	218		120		4	
	3/4	20	117	130	117	19	190		120		5	
	1	25	127	140	127	25	256		140		7	
	1 1/4	32	140	153	140	31	268		180		10	
	1 1/2	40	165	178	165	38	326		200		15	
	2	50	178	191	216	30	340		200		20	
	2 1/2	65	191	203	241	63	365		200		23	
	3	80	203	216	283	76	410		250		36	
	4	100	229	241	305	100	485		280		54	
	5	125	254	267	381	127	520		280		62	
	6	150	267	279	403	150	595	795	300	310	82	104
	8	200	292	305	419	200	755	1015	360	310	136	150
	10	250	330	343	457	250	895	1210	400	310	196	215
	12	300	356	368	502	300	1040	1405	450	460	299	315
	14	350	381	394	572	336	1145	1535	500	460	381	451
	16	400	406	419	610	387	1333	1780	500	460	536	597
	18	450	432	445	660	438	1420	1900	600	460	608	651
	20	500	457	470	711	488	1635	2220	700	530	827	863
	24	600	508	521	813	590	1862	2557	800	530	1202	1357
	26	650	559		864	633		2680		530	1281	1550
28	700	610		914	684		2890		530		1880	
30	750	610		914	735		3110		600		2300	
32	800	711		965	779		3280		600		2550	
34	850	711		1016	830		3500		600		2950	
36	900	711		1016	874		3640		600		3390	
40	1000	812.8		1067			4200		1000		4042	
48	1200	1067		1168			5020		1000		5520	

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.