

APIGate Valveseries







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Design complies with the API 600,API 602,API 603,BS 1414
Face to Face dimension:ASME B16.10,BS2080 and ISO 5752,JIS B2002.
Flanged End:ASME B 16.5,26"and larger sizes according to ASME B 16.47Series A or Series B,JIS B2212, B2214.
Butt-weld End:ASME B16,25.

Inspection and Test:API 598,BS EN 12266,ISO 5208,JIS B2003.

Casting Steel Material_

Visual check for cast steel material includes: surface quality, dimension, chemical properties, mechanical performance, non-destructive testing to ensure that the comprehensive performance of raw materials comply with the relevant ASTM, BS, EN. JIS standards,

Body

The design provides the whole structure of low flow resistance channel structure, enables the body stiffness and strength to bear the nominal piping pressure and stress loading, the valve body wall thickness design complies with the API 600 with sufficient margin corrosion resistance for the medium.

■Bonnet_

Bonnet can be designed with a variety of seal structure of body connection to meet the needs of different operating conditions, the structure can be equipped to connect with jacketed ,flat, spiral or metal ring gasket, and self pressure—seal valve bonnet for class 900/1500/2500.

Seat.

Seat structure can be designed as per user requirements as a whole alloy steel materials pressed-in sealing structure.welding sealing.or screw connection in assembly. The austenitic stainless steel body material can be provided with integral seat.

Wedge.

The wedge structure design can be solid, flexible.or parallel dual plates and has enough strength and stiffness to ensure the valve sealing performance,

Seat and other seal material

The choice of materials for the seat and other seal material can be as per API 600 standard, or users design and manufacturing requirements.

Description



-Stem
The stem is thoroughly forged, its T-shape connecting end is of good stiffness and strength to ensure its safe use and reliability, The stem transmission bearing structure applies sophisticated ACME trapezoidal thread to enable its up and down travel.
■ Backseat
All backseats are used on the valve seat seal design.they are replacable, and for austenitic stainless steel material it can be integral backseat design.
■ Bonnet and Body seal structure
Class 150: jacketed flexible graphite and stainless steel gasket Class 300.600: spiral stainless steel and flexible graphite wound gasket Class 900 and above: metal ring gasket Choice for bonnet and body seal can be bassed on the use of specific operating conditions (medium temperature and pressure)
Stuffing box
Stuffing box is designed in accordance with API 600 standards with precise control of surface finish in 32RMS below and its inner verticality.
Packing gland / bushing
Packing gland / bushing are separate structure to ensure packing seal performance.
Stem Nut
Stem Drive nut bearing structure is provided with sophisticated ACME trapezoidal thread,top entry connection design to the yoke,so even the valves are taken off the handwheel at service,the locking device can be ensured to be at original position and working.

Operator _

The valve operators are normally handwheel, gearbox. with clear open and close marking. Electric, or other operation device can be supplied according to customers requirements.



■ Features

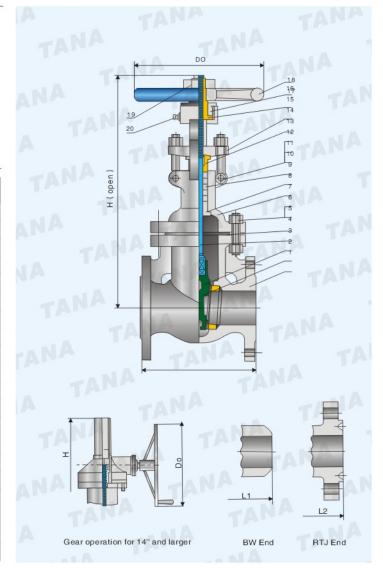
Design and manufacture: API 600 API 603 JIS B2073, B2083 Face-to-Face dimension: 36"and smaller to ASME B16.10. 40"and larger to manufacturer"s standard Flanged End: 24"and smaller to ASME B16.5 26"and larger to ASME B16.47 series A B.W.End: ASME B 16.25

Shell Wall Thickness: 24"and smaller to API 600 26"and larger to manufacturer's standard

8"and smaller valves have a one-piece bonnet and yoke design 10"and larger valves have a split bonnet and yoke design.

Parts List_

No	Parts	Material
1	Body	ASTM A216 Gr.WCB
2	Seat ring	ASTM A 105+13Cr
3	Wedge	ASTM A216 Gr.WCB+13Cr
4	Stem	ASTM A182 F6a
5	Gasket	304S.S.Jacketed Graphite
6	Stud	ASTM A193 Gr.B7
7	Nut	ASTM A 194 Gr,2H
8	Bonnet	ASTM A216 Gr,WCB
9	Backseat	ASTM A276 410
10	Packing	Graphite
11	Pin	C.S.
12	Gland bolt	ASTM A 193 Gr.B7
13	Gland nut	ASTM A194 Gr.2H
14	Bushing	ASTM A276 410
15	Gland	ASTM A216 Gr.WCB
16	Stem nut	Aluminum Bronze
17	Retaining nut	C.S
18	Handwheel	Malleable Iron
19	H.W. lock nut	C.S.
20	Lubricator	Assemly



Valve	in.	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	30	32	36	40	42	48
Size	mm	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	750	800	900	1000	1050	1200
L(RF)	in.	6.5	7	7.5	8	9	10	10.5	11.5	13	14	15	16	17	18	20	24	24	26	28	30	31	34
	mm	165	178	190	203	229	254	267	292	330	356	381	406	432	457	508	610	610	660	711	762	787	864
L1	in.	6.5	8.5	9.5	11.13	12	15	15.88	16.5	18	19.75	22.5	24	26	28	32	36	36	38	40	42	43	46
(BW)	mm	165	216	241	282	305	381	403	419	457	502	572	610	660	711	813	914	914	965	1016	1067	1092	1168
L2 (RTJ)	in. mm	7.0 178	7.5 191	8 203	8.5 216	9.5 242	10.5 267	11 280	12 305	13.5 343	14.5 369	15.5 394	16.5 419	17.5 445	18.5 470	20.5 521	24.5 623	24.5 622	26.5 673	28.5 724			
H	in.	15.7	16.13	18.56	20.94	24.13	27.94	31.75	39	46.69	55.31	63.56	71.31	78.19	87	106.25	119.31	130.56	137.25	150.56	183.86	193.75	217.5
(open)	mm	392	409	472	532	612	710	806	990	1186	1405	1615	1811	1986	2210	2698	3030	3317	3487	3825	4670	4920	5525
Do	in.	7.86	7.86	7.86	9.86	9.86	11.81	11.81	13.75	17.69	19.69	18.13	18.13	18.13	24	24	24	24	24	30	30	30	30
	mm	200	200	200	250	250	300	300	350	450	500	460	460	460	610	610	610	610	610	760	760	760	760
WT	RF	18.5	20	30	36	53	71	85	136	220	323	387	553	660	810	1250	1931	2380	2490	3600	4815		7110
(kg)	BW	15.5	17	26	29	46	66	77	116	202	294	350	506	575	720	1130	1765	2028	2280	3080	4840		7050

Class300/JIS20K Bolted bonnet, outside screw & yoke, Rising stem, flexible wedge



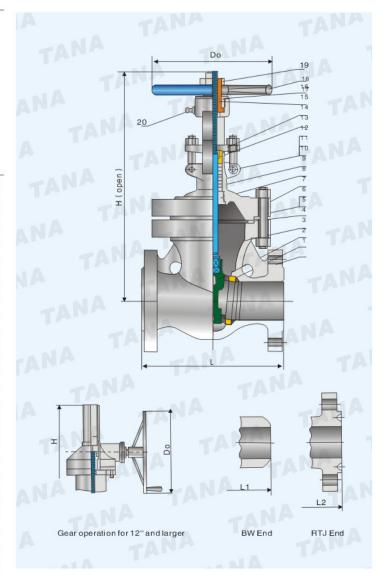
Features

Design and manufacture: API 600 /API 603, JIS B2073, B2083. Face-to-Face dimension: 36"and smaller to ASME B16.10. 40"and larger to manufacturer"s standard Flanged End: 24"and smaller to ASME B16.5 26"and larger to ASME B16.47 series A
B.W.End: ASME B 16.25
Shell Wall Thickness: 24"and smaller to API 600
26"and larger to manufacturer's standard
8"and smaller valves have a one—piece bonnet and yoke design

10"and larger valves have a split bonnet and yoke design.

Parts List

No	Parts	Material
1	Body	ASTM A216 Gr.WCB
2	Seat ring	ASTM A 105+13Cr
3	Wedge	ASTM A216 Gr.WCB+13Cr
4	Stem	ASTM A182 F6a
5	Gasket	304S.S.Jacketed Graphite
6	Stud	ASTM A193 Gr.B7
7	Nut	ASTM A 194 Gr,2H
8	Bonnet	ASTM A216 Gr,WCB
9	Backseat	ASTM A276 410
10	Packing	Graphite
11	Pin	C.S.
12	Gland bolt	ASTM A 193 Gr.B7
13	Gland nut	ASTM A194 Gr.2H
14	Bushing	ASTM A276 410
15	Gland	ASTM A216 Gr.WCB
16	Stem nut	Aluminum Bronze
17	Retaining nut	C.S
18	Handwheel	Malleable Iron
19	H.W. lock nut	C.S.
20	Lubricator	Assemly



Valve	in.	1-1/2	2	2–1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	30	32	36	40	42	48
Size	mm	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	750	800	900	1000	1050	1200
L-L1	in.	7.5	8.5	9.5	11.12	12	15	15.88	16.5	18	19.75	30	33	36	39	45	54	55	61.12	68	76	78	88
	mm	190	216	241	282	305	381	403	419	457	502	762	838	914	991	1143	1346	1397	1524	1727	1930	1981	2235
L2 (RTJ)	in. mm	8.0 203	9.12 232	10.12 257	11.74 298	12.62 321	15.62 397	16.5 419	17.12 435	18.62 473	20.27 518	30.62 778	33.62 854	36.62 930	39.75 1010		54 1371	56 1422	61.12 1581	69.12 1755			
H	in.	14.7	15.75	18.75	21.38	25.63	30.31	34.63	40.81	50.19	56.63	65	72.44	79.94	88.19	114.19	122	139.38	152	169.75	188.63	198.13	217.38
(open)	mm	374	400	477	543	650	770	880	1037	1275	1438	1650	1840	2030	2240	2900	3100	3540	3860	4312	4791	5032	5522
Do	in.	7.88	7.88	9.88	9.88	11.81	11.81	13.75	17.69	19.69	22.06	18.13	18.13	24	24	24	24	30	30	30	24	24	24
	mm	200	200	250	250	300	300	350	450	500	560	460	460	610	610	610	610	760	760	760	610	610	610
WT	RF	26	30	39	55	83	92	137	240	333	536	699	1010	1205	1720	2800	3150	3786	4210	6850	8460	9500	12400
(kg)	BW	22	26	34	47	68	77	118	195	271	432	595	848	1025	1460	2294	2870	3220	3675	4990	6160	6800	9000

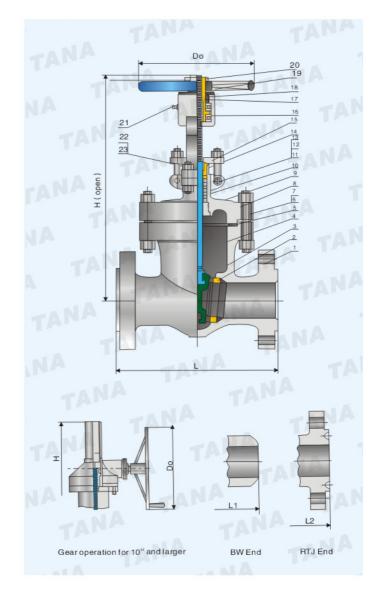


Features

Design and manufacture: API 600. Face-to-Face dimension:36" and smaller to ASME B16.10. 40"and larger to manufacturer"s standard Flanged End:24"and smaller to ASME B16.5 26"and larger to ASME B16.47 series A B.W.End; ASME B 16.25 Shell Wall Thickness;24"and smaller to API 600 26"and larger to manufacturer's standard 6"and smaller valves have a one—piece bonnet and yoke design 8"and larger valves have a split bonnet and yoke design.

Parts List

No	Parts	Material
1	Body	ASTM A216 Gr.WCB
2	Seat ring	ASTM A 105+13Cr
3	Wedge	ASTM A216 Gr.WCB+13Cr
4	Stem	ASTM A182 F6a
5	Gasket	304S.S.Jacketed Graphite
6	Stud	ASTM A193 Gr.B7
7	Nut	ASTM A 194 Gr.2H
8	Bonnet	ASTM A216 Gr.WCB
9	Backseat	ASTM A276 410
10	Packing	Graphite
11	Pin	C.S.
12	Gland bolt	ASTM A 193 Gr.B7
13	Gland nut	ASTM A194 Gr.2H
14	Bushing	ASTM A276 410
15	Gland	ASTM A216 Gr.WCB
16	Bearing	Assemly
17	Stemnut	Aluminum Bronze
18	Retaining nut	C.S
19	Handwheel	Malleable Iron
20	H.W. lock nut	C.S.
21	Lubricator	Assemly
22	Yoke bolt	ASTM A 193 Gr.B7
23	Yoke nut	ASTM A 194 Gr.2H



Valve	in.	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	26	28	30	32	36
Size	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L-L1	in.	11.5	13	14	17	20	22	26	31	33	35	39	43	47	55	57	61	65	70	82
(RF-BW)	mm	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	1448	1549	1651	1778	2083
L2 (RTJ)	in. mm	11.62 295	13.12 333	14.12 359	17.12 435	20.12 511	22.12 562	26.12 663	31.12 790	33.12 841	35.12 892	39.12 994	43.12 1095	47.25 1200	55.38 1407					
H	in.	18.63	21.75	23.38	28.06	30.3	38.19	44.19	52.38	59./81	68.13	72.75	90.13	98.81	119	127.25	140.25	152.75	163	179.5
(open)	mm	474	553	593	713	770	970	1122	1330	1519	1730	1835	2290	2510	3022	3232	2562	3880	4140	4560
Do	in.	9.88	9.88	11.81	13.75	15.7	19.69	22.06	28.38	24	24	24	24	30	30	30	30	24	24	24
	mm	250	250	300	350	400	500	560	720	610	610	610	610	760	760	760	760	610	610	610
WT	RF	41	58	88	131	205	253	413	623	784	1288	1820	2150	2540	4080	5220	6050	6945	7965	10000
(kg)	BW	35	50	68	104	192	208	328	496	637	1120	1448	1828	2201	3360	4295	4980	5710	5223	8220

Class 900/1500/2500 Bolted bonnet, outside screw & yoke, Rising stem, flexible wedge



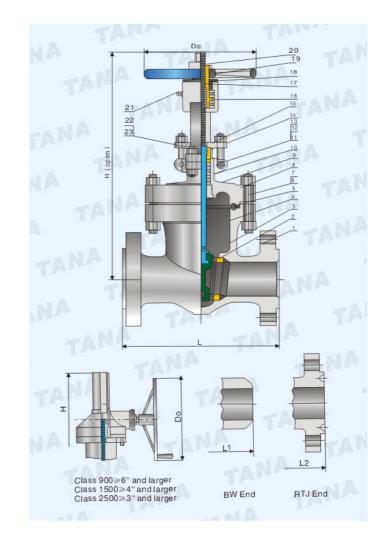
Features

Design and manufacture: API 600. Face-to-Face dimension: 36"and smaller to ASME B16.10.
40"and larger to manufacturer"s standard
Flanged End: 24"and smaller to ASME B16.5
26"and larger to ASME B16.47 series A
B.W.End: ASME B 16.25 Shell Wall Thickness: 24"and smaller to API 600

26"and larger to manufacturer's standard 6"and smaller valves have a one-piece bonnet and yoke design 8"and larger valves have a split bonnet and yoke design.

Parts List

No	Parts	Material
1	Body	ASTM A216 Gr.WCB
2	Seat ring	ASTM A 105+13Cr
3	Wedge	ASTM A216 Gr.WCB+13Cr
4	Stem	ASTM A182 F6a
5	Gasket	Soft Iron
6	Stud	ASTM A 193 Gr.B7
7	Nut	ASTM A194 Gr.2H
8	Bonnet	ASTM A216 Gr WCB
9	Backseat	ASTM A276 410
10	Packing	Graphite
11	Pin	C.S.
12	Gland bolt	ASTM A 193 Gr.B7
13	Gland nut	ASTM A194 Gr.2H
14	Bushing	ASTM A276 410
15	Gland	ASTM A216 Gr.WCB
16	Bearing	Assemly
17	Stemnut	Aluminum Bronze
18	Retaining nut	C.S
19	Handwheel	Malleable Iron
20	H.W. lock nut	C.S.
21	Lubricator	Assemly
22	Yoke bolt	ASTM A 193 Gr.B7
23	Yoke nut	ASTM A 194 Gr.2H



			_		_		_			
	Valve Size	in. mm	2 50	2-1/2 65	3 80	100	6 150	8 200	10 250	12 300
	L-L1 (RF-BW)	in. mm	14.5 368	16.5 419	15 381	18 457	24 610	29 737	33 838	38 965
Class 900	L2 (RTJ)	in. mm	14.62 371	16.62 422	15.12 384	18.12 460	24.12 613	29.12 740	33.12 841	38.12 968
Class 900	H (open)	in. mm	21.56 547	27.56 700	28.15 715	28.69 729	41 1041	49.63 1260	62.63 1590	70.69 1795
	D0	in. mm	11.81 300	14 355	15.75 400	17.69 450	22.06 560	24 610	24 610	24 610
	WT (kg)	RF BW	90 82	110 93	123 108	148 122	420 359	650 566	1160 980	1700 1450
	L-L1 (RF-BW)	in. mm	14.5 368	16.5 419	18.5 470	21.5 546	27.75 705	32.75 832	39 991	44.5 1130
	L2 (RTJ)	in. mm	14.62 371	16.62 422	18.62 473	21.62 549	28 711	33.13 842	39.38 1001	45.12 1146
Class 1500	H (open)	in. mm	22.63 574	27.56 700	31.75 806	34.94 887	42.5 1079	53,94 1370	59.81 1520	65 1651
	D0	in. mm	13.75 350	15.75 400	17.75 450	22.06 560	24 610	24 610	30 760	30 760
	WT (kg)	RF BW	117 93	175 144	240 185	337 385	680 584	1228 978	2278 1990	3260 2850
	L-L1 (RF-BW)	in. mm	17.75 451	20 508	22.75 578	26.5 673	36 914	40.25 1022	50 1270	
	L2 (RTJ)	in. mm	17.87 454	20.25 514	23 584	26.88 683	36.5 927	40.87 1038	50.88 1292	
Class 2500	H (open)	in. mm	27.56 700	29.5 750	34.63 887	42.5 1079	53.94 1370	60.25 1530	80.5 2045	
	Do	in. mm	13.75 350	17.75 450	22.06 560	28.38 720	18.13 460	24 610	30 760	
	WT (kg)	RF BW	132 99	206 155	256 192	498 390	1550 1230	2395 1980	4460 3700	

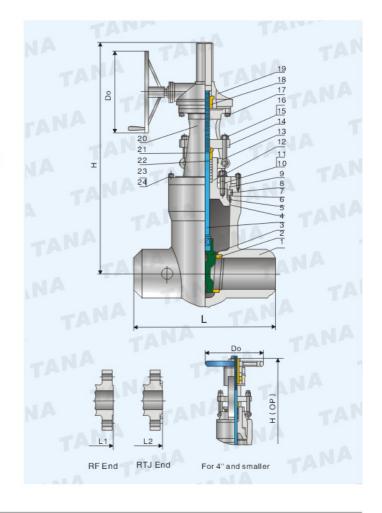


■ Features

Design and manufacture: API 600 and ASME B 16.34. Face-to-Face dimension: ASME B16.10. Flanged dimension: ASME B16.5. B.W.End: ASME B 16.25 Shell Wall Thickness: API 600 BS 1868 Inspection & Test: API 598

Parts List_

No	Parts	Material
1	Body	ASTM A216 Gr.WCB
2	Seat ring	ASTM A 105+13Cr
3	Wedge	ASTM A216 Gr.WCB+13Cr
4	Stem	ASTM A182 F6a
5	Bonnet	ASTM A216 Gr.WCB
6	Sealing ring	ASTM A182 F304
7	Soacer ring	ASTM A182 F6a
8	Segment ring	ASTM A182 F6a
9	Supporting plate	ASTM A105
10	Stud	ASTM A193 Gr.B7
11	Nut	ASTM A 194 Gr.2H
12	Packing plate	ASTM A276 410
13	Split ring	ASTM A216 Gr.WCB
14	Gland flange	ASTM A216 Gr.WCB
15	Gland bolt	ASTM A193 Gr.B7
16	Gland nut	ASTM A 194 Gr.2H
17	Bolt	C.S
18	Stem nut	Aluminum Bronze
19	Gearbox	Assemly
20	Yode	ASTM A 216 Gr.WCB
21	Bushing	ASTM A276 410
22	Packing	Graphite
23	Bolt	ASTM A 193 Gr B7
24	Nut	ASTM A 194 Gr 2H



	Valve Size	in. mm	2 50	2–1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400
Class 900 RT Opi W BU RF Class 1500 Opi W RF RT Class 2500 Opi RT Opi U RF	BW(L)	in. mm	8.5 216	10 254	12 305	13.98 356	20 508	26 660	31 787	36 914	39 991	43 1092
	RF(L1)	in. mm	14.5 368	16.5 419	15 381	18 457	24 610	29 737	33 838	38 965	40.5 1029	44.5 1130
Class 900	RTJ(L2)	in. mm	14.62 371	16.62 422	15.12 384	18.12 460	24.12 613	29.12 740	33.12 841	38.12 968	40.88 1039	44.88 1140
	Open(H)	in. mm	21.81 554	25.08 637	26.77 680	31,34 796	42.68 1084	54.02 1372	58.82 1494	61.02 1550	77.17 1960	87 2210
	Do	in. mm	11.81 300	13.78 350	13.78 350	15.75 400	22.05 560	18.11 460	24 610	24 610	24 610	30 760
	WT(kg)	RF BW	48 37	82 62	90 80	152 118	339 364	620 522	948 758	1293 1088	1718 1448	2378 2016
	BW(L)	in. mm	8.5 216	10 254	12 305	16 406	22 559	28 711	34 864	39 991	42 1067	47 1194
	RF(L1)	in. mm	14.5 368	16.5 419	18.5 470	21.5 546	27.75 705	32.75 832	39 991	44.5 1130	49.5 1257	54.5 1384
01 4500	RTJ(L2)	in. mm	14.62 371	13.78 13.78 15.75 22.05 18.11 24 24 350 350 400 560 460 610 60 82 90 152 339 620 948 1293 1 62 80 118 364 522 758 1088 1 10 12 16 22 28 34 39 254 305 406 559 711 864 991 1 1 16.5 18.5 21.5 27.75 32.75 39 44.5 4 4 4 4 4 4 4 4 991 1 1 16.5 18.5 21.5 27.75 32.75 39 44.5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 <	50.25 1276	55.38 1407						
Class 1500	Open(H)	in. mm	21.81 554	25.08 637	30.2 767	34.45 875	43.07 1094			72.20 1834	84.65 2150	88.98 2260
	Do	in. mm	11.81 300	17.72 450	17.72 450	22.05 560				24 610	30 760	30 760
	WT(kg)	RF BW	58 44		126 83						2798 2008	3868 2813
	BW(L)	in. mm	11 279									
	RF(L1)	in. mm	17.75 451	20 508	22.75 578	26.50 673	36 914	40.25 1022	50 1270	56 1422		
Ol 0500	RTJ(L2)	in. mm	17.87 454	20.25 514	23 584	26.88 683	36.50 927	40.87 1038	50.88 1292	56.88 1445		
Class 2500	Open(H)	in. mm	24 610	25.75 654	29.65 753	33.46 850	49.37 1254	54.09 1374	66.34 1685	74 1873		
	Do	in. mm	19.69 500	19.69 500	23.62 600	23.62 600	18.11 460	18.11 460	24 610	24 610		
	WT(kg)	RF BW	119 86	173 133	193 142	227 156	718 498	1293 890	2248 1548	3091 2330		

Class 150/300/600 Forged steel flanged gate valve



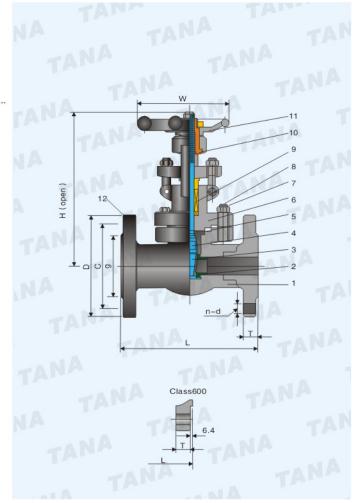
Technical specification.

- 1. Design and manufacturing: per API 602.
- Consturction Feature: B.B OS&Y or WB OS&Y
 Face to face dimensions per ANSI B 16.10.

- Flanged connection per ANSI B 16.5.
 Test and inspection per API 598.
 Body material: A105、F304、F316、F304L、F316L、F5、F11、F22...

Main parts and materials.

No	Accessory Name	Material			
1	Body	A105			
2	Seat	13Cr			
3	Wedge	13Cr			
4	Stem	A182-F6a			
5	Gear box	304S.S. Jacketed Graphite			
6	Bonnet	A105			
7	Nut	A194–2H			
8	Bolt	A193-B7			
9	Packing	Graphite			
10	Stem nut	13Cr			
11	Handwheel	Malleable Iron			
12	Flange	A105			



Main dimensions and weights.

DI	N								H(C)pen)		W	W	T(kg)
inch	mm	Class	L	D	С	g	Т	n-d	Reduced Bore	Full Bore	Reduced Bore	Full Bore	Reduced Bore	Full Bore
		150	108	90	60.3		11.5	4-16					4.5	5
1/2"	15	300	140	95	66.5	35	14.5	4-16	166	169	100	100	4.8	5.2
		600	165	95	66.5		14.5	4-16	1				5.9	5.9
		150	117	100	70		13	4-16				125	5.2	6.1
3/4"	20	300	152	115	82.5	43	16	4-19	169	193	100		6.2	6.3
		600	190	115	82.5		16	4-19					7.4	7.5
		150	127	110	79.5	51	14.5	4-16	193	230	125	160	8.2	8.4
1"	25	300	165	125	89		18	4-19					9.3	8.6
		600	216	125	89		18	4-19					10.4	10.2
		150	140	115	89		16	4-16		246	160	160	11.5	14.3
11/4"	32	300	178	135	98.5	63	19.5	4-19	230				14	14.5
		600	229	135	98.5		21	4-19					16.2	16.7
		150	165	125	98.5		18	4-16					12.5	15.4
11/2"	40	300	190	155	114.5	73	21	4-22.5	246	283	160	180	15.5	15.6
		600	241	155	114.5		22.5	4-22.5					17.5	17.4
		150	178	150	120.5		19.5	4-19					20.3	22.7
2"	50	300	216	165	127	92	22.5	8-19	283	330	180	200	23.4	22.8
		600	292	165	127		26	8-19					28.3	28.7

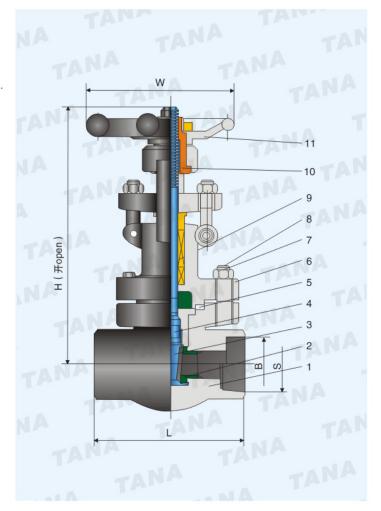


Technical specification.

- Design and manufacturing: per API 602.
 Consturction Feature: B.B OS&Y or WB OS&Y
 FNPT connection per ANSI B1.20.1
 Socket weld connection per ANSI B16.11
 Test and inspection per API 598.
 Body material: A105、F304、F316、F304L、F316L、F5、F11、F22...

Main parts and materials.

No	Accessory Name	Material				
1	Body	A105				
2	Seat	13Cr				
3	Wedge	13Cr				
4	Stem	A182-F6a				
5	Gasket	304S.S. Jacketed Graphit				
6	Bonnet	A105				
7	Nut	A194–2H				
8	Bolt	A193-B7				
9	Packing	Graphite				
10	Stem nut	13Cr				
11	Handwheel	Malleable Iron				



Main dimensions and weights

D	N	L		В		S		S		H(Open)	1,001	WT(kg)
inch	mm		ANSI	JIS	ANSI NPT600 ISO、BS RC560 JIS PT550			ri(Opeli)	W	WT(Ng)		
1/2"	15	92	21.8	22.2	1/2"			169	100	2.2		
3/4"	20	111	27.1	27.7	3/4"			193	125	4.3		
1"	25	120	33.8	34.5	1"			230	160	5.9		
1 1/4"	32	120	42.6	43.2		1 1/4"			160	6.9		
1 1/2"	40	140	48.7	49.1	1 1/2"		283	180	11.1			
2"	50	178	61.1	61.1	2"			330	200	15.2		

Class 900/1500/2500 Forged steel gate valve



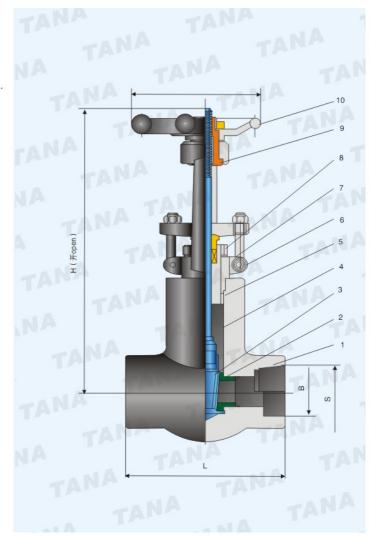
■Technical specification.

- Design and manufacturing: per API 602.
 Consturction Feature: B.B OS&Y or WB OS&Y
 FNPT connection per ANSI B1.20.1
 Socket weld connection per ANSI B16.11

 Test and inspection per API 598.
 Body material: A105, F304, F316, F304L, F316L, F5, F11, F22...

Main parts and materials

No	Accessory Name	Material		
1	Body	A105		
2	Seat	13Cr		
3	Wedge	13Cr		
4	Stem	A182-F6a		
5	Sealed ring	304		
6	Yoke	A105		
7	Bonnet	A105		
8	Packing	Graphite		
9	Stemnut	13Cr		
10	Handwheel	Malleable Iron		



Main dimensions and weights.

DI	N	L		1	В	S ANSI ISO、BS JIS NPT600 RC560 PT550		11/0	1	WT(kg)	
inch	mm	Class 900 Cass 1500	Class 2500	ANSI	JIS			H(Open)	W	WI(kg)	
1/2"	15	140	186	21.8	22.2	1/2"		321	125	12.3	
3/4"	20	140	186	27.1	27.7	3/4"		321	125	11.6	
1"	25	140	186	33.8	34.5	1"			321	160	10.8
1 1/4"	32	178	232	42.6	43.2	1 1/4"		380	160	26	
1 1/2"	40	178	232	48.7	49.1	1 1/2"		414	180	28.4	
2''	50	216	279	61.1	61.1	2"		502	200	60	

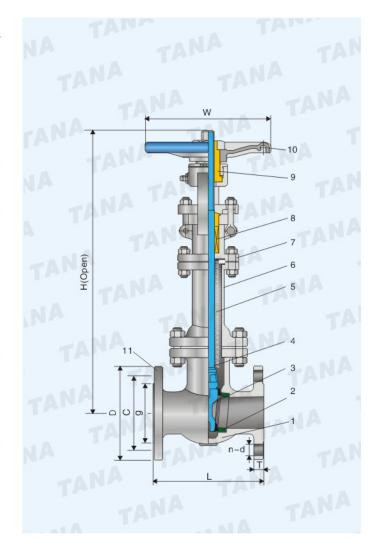


Technical specification.

- Design and manufacturing per API 602.
 Face to face dimensions per ANSI B 16.10.
 Flanged connection per ANSI B16.5.
 Test and inspection per API 598.
 Body material:A105, F304, F304L, F316, F316L...

Main parts and materials

No	Accessory Name	Material			
1	Body	A105			
2	Seat	13Cr+STL			
3	Wedge	13Cr+STL			
4	Stem	A182-F6a			
5	Bellow	304L			
6	Bonnet	A105			
7	Yoke	A105			
8	Packing	Graphite			
9	Stem nut	Copper alloy			
10	Handwheel	Malleable Iron			
11	Flange	A105			



Main dimensions and weights.

Pressure	DN				С	g			H(Open)	w	KT(kg)
(LB)	inch	mm	L	D	y.	Э		n–d	П(Ореп)	vv	KT (kg)
	1/2"	15	108	90	60.5	35	11.5	4-16	253	100	15
	3/4''	20	117	100	70	43	13	4-16	292	125	19
Class 150	1"	25	127	110	79.5	51	14.5	4-16	335	160	23
	1 1/2''	40	165	125	98.5	73	18	4-16	442	180	35
	2"	50	178	150	120.5	92	19.5	4-19	536	200	38
	1 1/2''	15	140	95	66.5	35	14.5	4-16	265	100	17
	3/4''	20	152	115	82.5	43	16	4-19	310	125	21
Cass 300	1"	25	165	125	89	51	18	4-19	345	160	25
	1 1/2''	40	190	155	114.5	73	21	4-22	350	180	37
	2"	50	216	165	127	92	22.5	8-19	548	200	40

Class 800 Bellow sealed gate valve



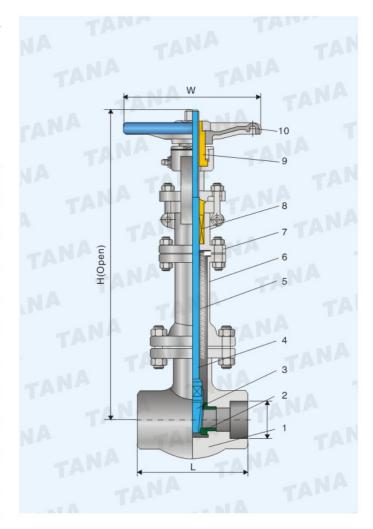
Technical specification.

- Design and manufacturing per API 602.
 Socket Weld connection per ANSI B16.11
 Test and inspection per API 598.

- 4、Body material:A105、F304、F304L、F316、F316L...

■ Main parts and materials

No	Accessory Name	Material		
1	Body	A105		
2	Seat	13Cr+STL		
3	Wedge	13Cr+STL		
4	Stem	A182–F6a		
5	Bellow	304L		
6	Bonnet	A105		
7	Yoke	A105		
8	Packing	Graphite		
9	Stem nut	Copper alloy		
10	Handwheel	Malleable Iron		



Main dimensions and weights

DN	DN		В	H(Open)	W	KT(kg)	
inch	mm		L B		**	KT(Kg)	
1/2"	15	92	21.8	253	100	15	
3/4"	20	111	27.1	292	125	19	
1"	25	120	33.8	335	160	23	
11/2"	40	140	140 48.7 442		180	35	
2"	50	178	61.1	536	200	38	