

API600 FLANGED END GATE VALVE

Model : Series GTF Class 150, NPS 2"~4"

• Features:

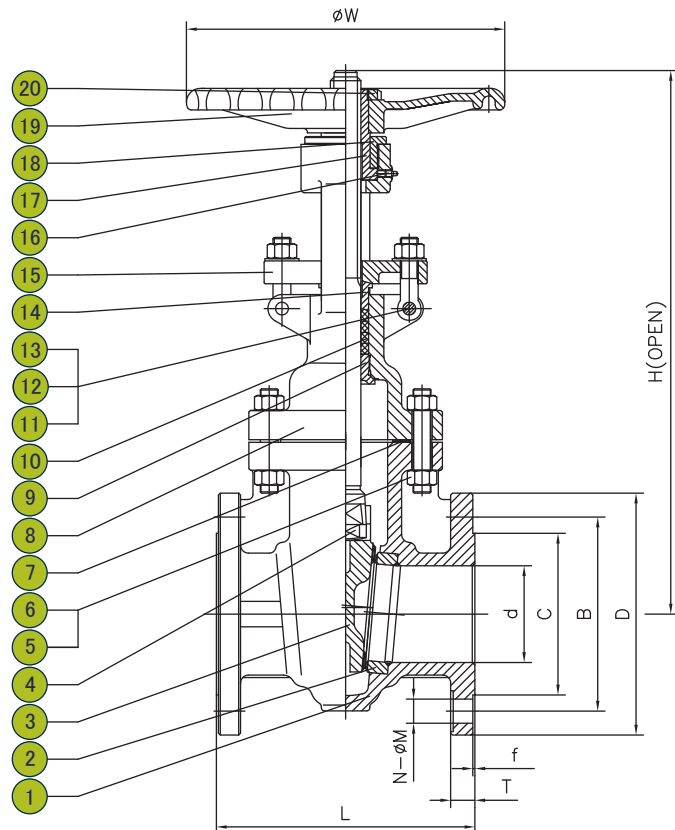
- Cast steel body construction providing liberal strength to meet most conditions
- Integral yoke & bonnet; Outside screw & yoke, bolted bonnet
- Single flexible wedge disc compensates for deformation of body due to pipe stresses
- Seal welded seat ring eliminates leak path behind rings and for long trouble-free service
- Available in flanged end connection; butt weld end also available
- 100% tested according to API 598

• Standards

- Design to ASME B16.34
- Face-to-Face/End-to-End: ASME B16.10
- Flange Dimensions: ASME B16.5
- Weld End: ASME B.16.25
- Basic Design: API 600

MATERIALS LIST:

NO.	PART NAME	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	ASTM A105 +13Cr
3	WEDGE	ASTM A216 WCB +13Cr
4	STEM	ASTM A182 F6a
5	BONNET NUT	ASTM A194 2H
6	BONNET BOLT	ASTM A193 B7
7	GASKET	SS304+FLEXIBLE GRAPHITE
8	BONNET	ASTM A216 WCB
9	BACKSEAT BUSHING	ASTM A182 F6a
10	STEM PACKING	FLEXIBLE GRAPHITE
11	PIN	AISI 1025
12	GLAND EYEBOLT	ASTM A193 B7
13	GLAND NUT	ASTM A194 2H
14	GLAND	ASTM A182 F6a
15	GLAND FLANGE	ASTM A216 WCB
16	NIPPLE	COOPER ALLOY
17	STEM NUT	ASTM A439 D2
18	RETAINING NUT	AISI 1025
19	HANDWHEEL	DUCTILE IRON
20	LOCK NUT	AISI 1025



Dimensions (mm):

SIZE	DN	d	D	B	C	W	L	H	T	f	N	M
2"	50	51	152	120.5	92	200	178	400	16	1.6	4	19
2-1/2"	65	64	178	139.5	105	220	190	435	18	1.6	4	19
3"	80	76	190	152.5	127	250	203	515	19	1.6	4	19
4"	100	102	229	190.5	157	280	229	595	24	1.6	8	19

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API600 FLANGED END GATE VALVE

Model : Series GTF Class 150, NPS 5"~8"

• Features:

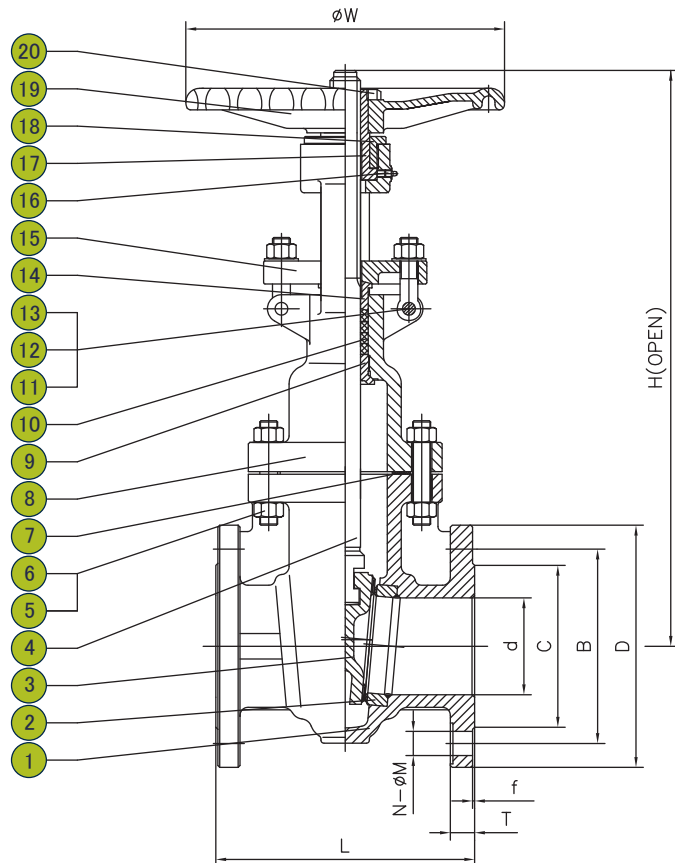
- Cast steel body construction providing liberal strength to meet most conditions
- Integral yoke & bonnet; Outside screw & yoke, bolted bonnet
- Single flexible wedge disc compensates for deformation of body due to pipe stresses
- Seal welded seat ring eliminates leak path behind rings and for long trouble-free service
- Available in flanged end connection; butt weld end also available
- 100% tested according to API 598

• Standards

- Design to ASME B16.34
- Face-to-Face/End-to-End: ASME B16.10
- Flange Dimensions: ASME B16.5
- Weld End: ASME B.16.25
- Basic Design: API 600

MATERIALS LIST:

NO.	PART NAME	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	ASTM A105 +13Cr
3	WEDGE	ASTM A216 WCB +13Cr
4	STEM	ASTM A182 F6a
5	BONNET NUT	ASTM A194 2H
6	BONNET BOLT	ASTM A193 B7
7	GASKET	SS304+FLEXIBLE GRAPHITE
8	BONNET	ASTM A216 WCB
9	BACKSEAT BUSHING	ASTM A182 F6a
10	STEM PACKING	FLEXIBLE GRAPHITE
11	PIN	AISI 1025
12	GLAND EYEBOLT	ASTM A193 B7
13	GLAND NUT	ASTM A194 2H
14	GLAND	ASTM A182 F6a
15	GLAND FLANGE	ASTM A216 WCB
16	NIPPLE	COOPER ALLOY
17	STEM NUT	ASTM A439 D2
18	RETAINING NUT	AISI 1025
19	HANDWHEEL	DUCTILE IRON
20	LOCK NUT	AISI 1025



Dimensions (mm):

SIZE		d	D	B	C	W	L	H	T	f	N	M
in	DN											
5"	125	127	254	216.0	186	280	254	710	24	1.6	8	22
6"	150	152	279	241.5	216	300	267	780	26	1.6	8	22
8"	200	203	343	298.5	270	350	292	975	29	1.6	8	22

API600 FLANGED END GATE VALVE

Model : Series GTF Class 150, NPS 10" ~ 12"

• Features:

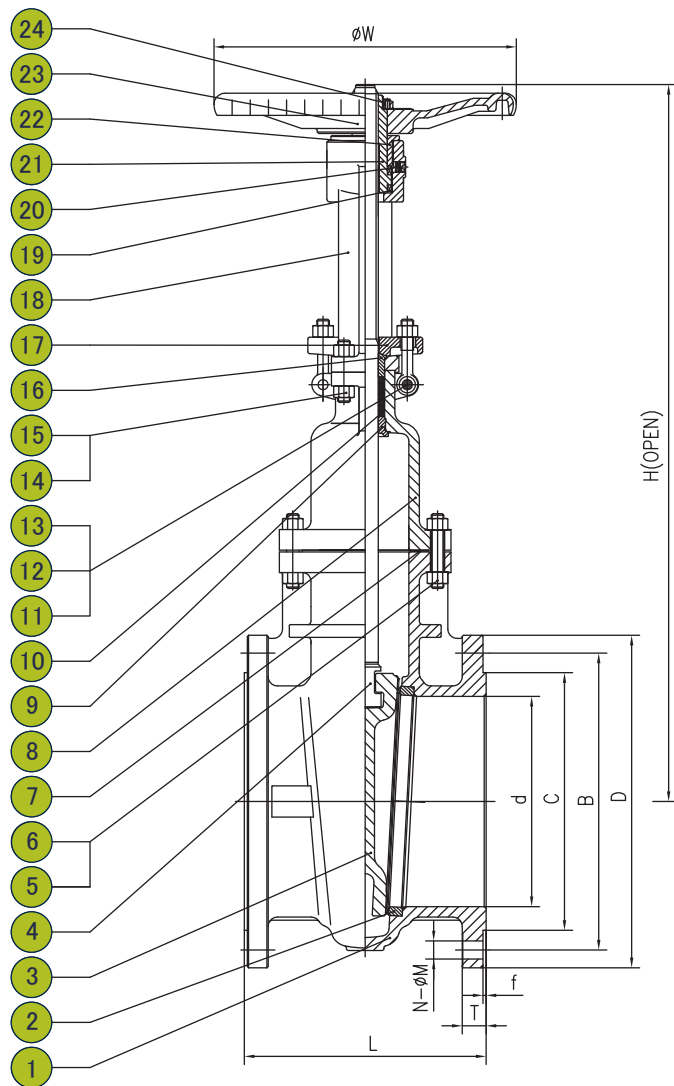
- Cast steel body construction providing liberal strength to meet most conditions
- Integral yoke & bonnet; Outside screw & yoke, bolted bonnet
- Single flexible wedge disc compensates for deformation of body due to pipe stresses
- Seal welded seat ring eliminates leak path behind rings and for long trouble-free service
- Available in flanged end connection; butt weld end also available
- 100% tested according to API 598

• Standards

- Design to ASME B16.34
- Face-to-Face/End-to-End: ASME B16.10
- Flange Dimensions: ASME B16.5
- Weld End: ASME B.16.25
- Basic Design: API 600

MATERIALS LIST:

NO.	PART NAME	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	ASTM A105 +13Cr
3	WEDGE	ASTM A216 WCB +13Cr
4	STEM	ASTM A182 F6a
5	BONNET NUT	ASTM A194 2H
6	BONNET BOLT	ASTM A193 B7
7	GASKET	SS304+FLEXIBLE GRAPHITE
8	BONNET	ASTM A216 WCB
9	BACKSEAT BUSHING	ASTM A182 F6a
10	STEM PACKING	FLEXIBLE GRAPHITE
11	PIN	AISI 1025
12	GLAND EYEBOLT	ASTM A193 B7
13	GLAND NUT	ASTM A194 2H
14	YOKE BOLT	ASTM A193 B7
15	YOKE NUT	ASTM A194 2H
16	GLAND	ASTM A182 F6a
17	GLAND FLANGE	ASTM A216 WCB
18	YOKE	ASTM A216 WCB
19	BEARING	ALLOY STEEL
20	NIPPLE	COOPER ALLOY
21	STEM NUT	ASTM A439 D2
22	RETAINING NUT	AISI 1025
23	HANDWHEEL	DUCTILE IRON
24	LOCK NUT	AISI 1025



Dimensions (mm):

SIZE	d	D	B	C	W	L	H	T	f	N	M
in DN											
10" 250	254	406	362.0	324	400	330	1150	31	1.6	12	25
12" 300	305	483	432.0	381	450	356	1380	32	1.6	12	25

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API600 FLANGED END GATE VALVE

Model : Series GTF Class 150, NPS 14" ~ 24"

• Features:

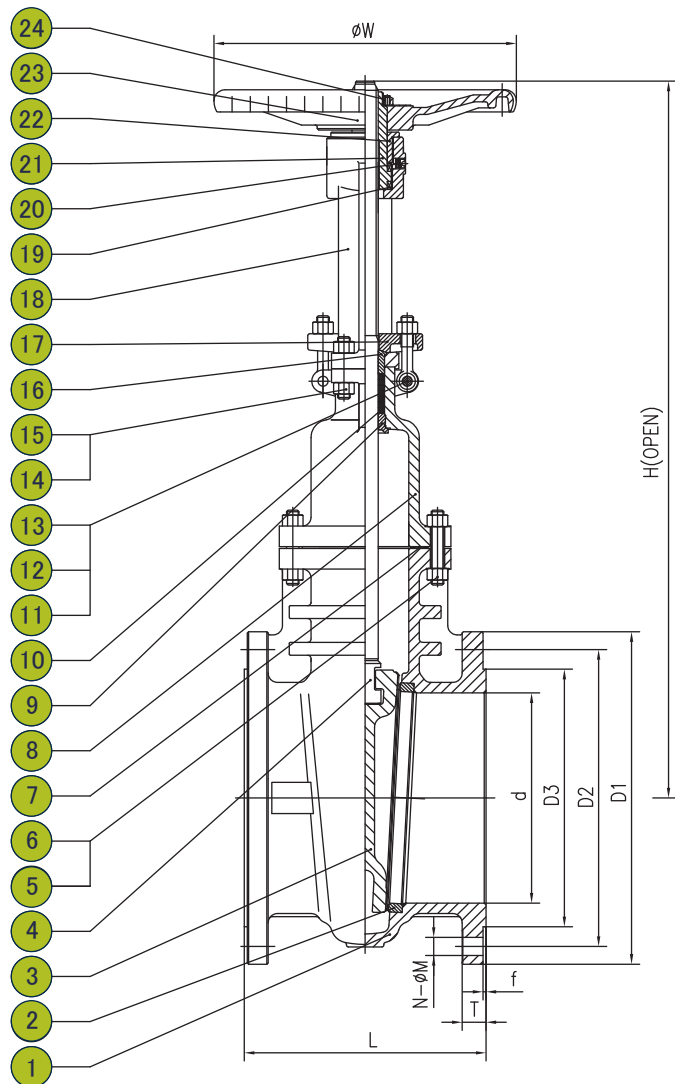
- Cast steel body construction providing liberal strength to meet most conditions
- Integral yoke & bonnet; Outside screw & yoke, bolted bonnet
- Single flexible wedge disc compensates for deformation of body due to pipe stresses
- Seal welded seat ring eliminates leak path behind rings and for long trouble-free service
- Available in flanged end connection; butt weld end also available
- 100% tested according to API 598

• Standards

- Design to ASME B16.34
- Face-to-Face/End-to-End: ASME B16.10
- Flange Dimensions: ASME B16.5
- Weld End: ASME B.16.25
- Basic Design: API 600

MATERIALS LIST:

NO.	PART NAME	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	ASTM A105 +13Cr
3	WEDGE	ASTM A216 WCB +13Cr
4	STEM	ASTM A182 F6a
5	BONNET NUT	ASTM A194 2H
6	BONNET BOLT	ASTM A193 B7
7	GASKET	SS304+FLEXIBLE GRAPHITE
8	BONNET	ASTM A216 WCB
9	BACKSEAT BUSHING	ASTM A182 F6a
10	STEM PACKING	FLEXIBLE GRAPHITE
11	PIN	AISI 1025
12	GLAND EYEBOLT	ASTM A193 B7
13	GLAND NUT	ASTM A194 2H
14	YOKE BOLT	ASTM A193 B7
15	YOKE NUT	ASTM A194 2H
16	GLAND	ASTM A182 F6a
17	GLAND FLANGE	ASTM A216 WCB
18	YOKE	ASTM A216 WCB
19	BEARING	ALLOY STEEL
20	NIPPLE	COOPER ALLOY
21	STEM NUT	ASTM A439 D2
22	RETAINING NUT	AISI 1025
23	HANDWHEEL	DUCTILE IRON
24	LOCK NUT	AISI 1025



Dimensions (mm):

SIZE	d	D	B	C	W	L	H	T	f	N	M	
in DN												
14"	350	337	533	478.0	413	500	381	1545	35	1.6	12	29
16"	400	387	597	540.0	470	550	406	1733	37	1.6	16	29
18"	450	438	635	578.0	533	600	432	1915	40	1.6	16	32
20"	500	489	699	635.0	584	700	457	2120	43	1.6	20	32
24"	600	591	813	749.5	692	700	508	2520	48	1.6	20	35

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