

API600 FLANGED END GATE VALVE

Model : Series GTF Class 300, NPS 2"~4"

• Features:

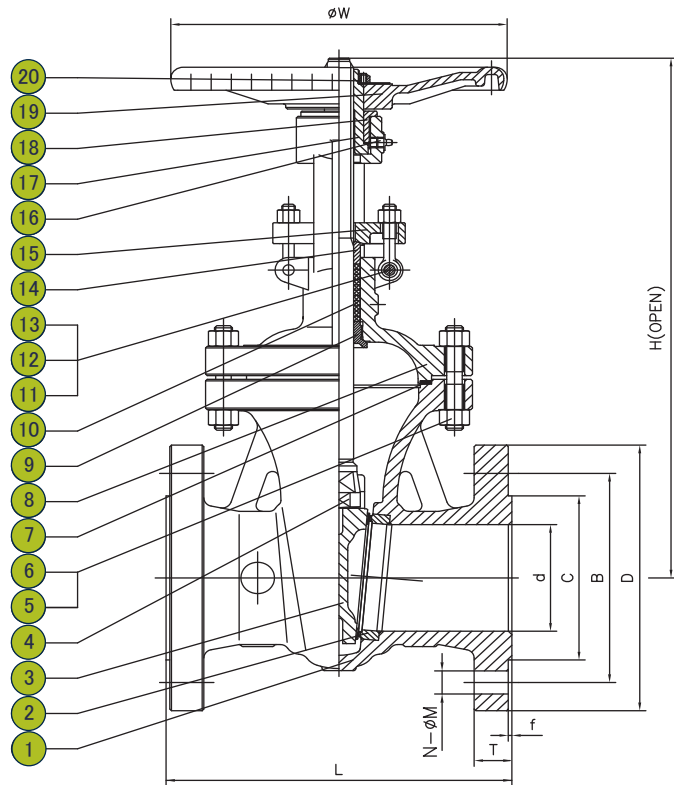
- Cast steel body construction providing liberal strength to meet most conditions
- Integral yoke & bonnet; Outside screw & yoke, bolted bonnet
- Single flexible wedge disc compensates for deformation of body due to pipe stresses
- Seal welded seat ring eliminates leak path behind rings and for long 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	d	D	B	C	W	L	H	T	f	N	M
in DN											
2" 15	51	165	127.0	92	200	216	420	23	1.6	8	19
2-1/2" 65	64	190	149.0	105	220	241	446	26	1.6	8	22
3" 80	76	210	168.5	127	250	283	537	29	1.6	8	22
4" 100	102	254	200.0	157	280	305	619	32	1.6	8	22

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API600 FLANGED END GATE VALVE

Model : Series GTF Class 300, NPS 5" ~ 8"

• Features:

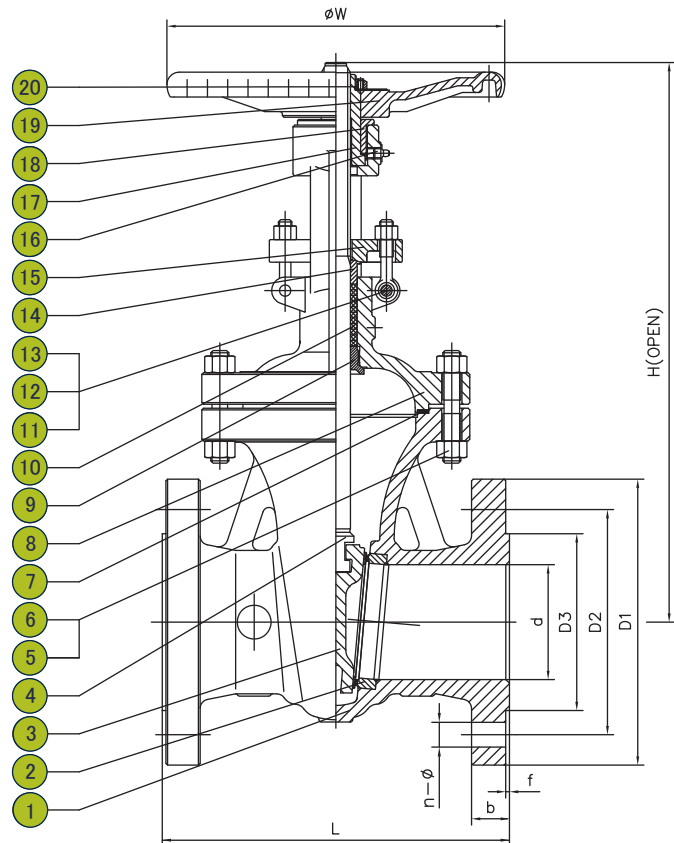
- Cast steel body construction providing liberal strength to meet most conditions
- Integral yoke & bonnet; Outside screw & yoke, bolted bonnet
- Single flexible wedge disc compensates for deformation of body due to pipe stresses
- Seal welded seat ring eliminates leak path behind rings and for long 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											
6"	150	152	318	270.0	216	350	403	806	37	1.6	12	22
8"	200	203	381	330.0	270	400	419	1000	42	1.6	12	25

API600 FLANGED END GATE VALVE

Model : Series GTF Class 300, NPS 10" ~ 18"

• Features:

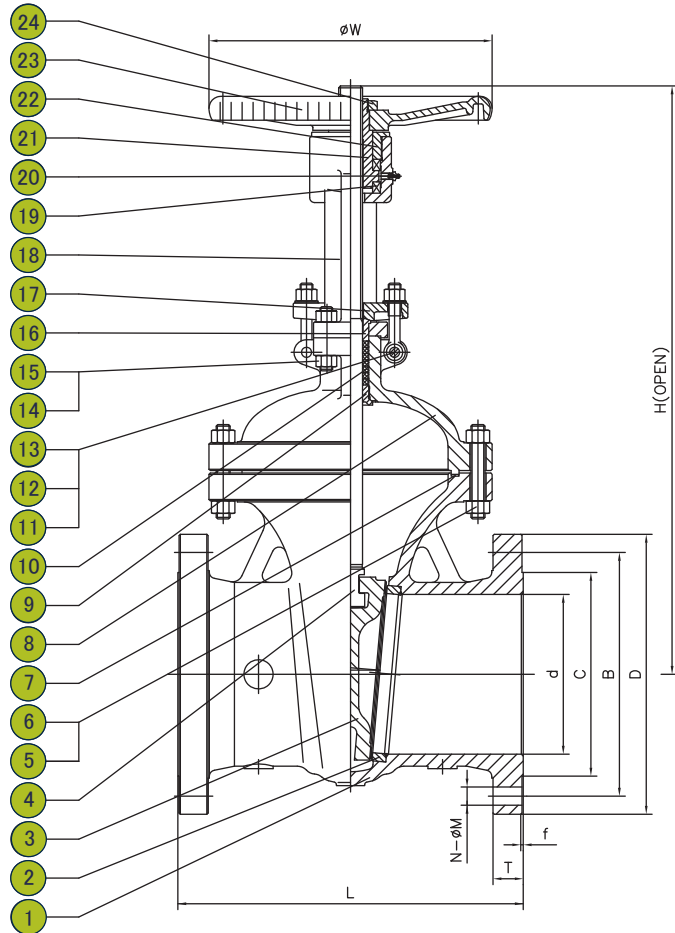
- Cast steel body construction providing liberal strength to meet most conditions
- Integral yoke & bonnet; Outside screw & yoke, bolted bonnet
- Single flexible wedge disc compensates for deformation of body due to pipe stresses
- Seal welded seat ring eliminates leak path behind rings and for long 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	445	387.5	324	450	457	1240	48	1.6	16	29
12"	300	305	521	451.0	381	500	502	1425	51	1.6	16	32
14"	300	337	584	514.5	413	600	762	1585	54	1.6	20	32
16"	300	387	648	571.5	470	600	838	1790	58	1.6	20	35
18"	300	432	711	628.5	533	700	914	1960	61	1.6	24	35

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API600 FLANGED END GATE VALVE

Model : Series GTF Class 300, NPS 20"

• Features:

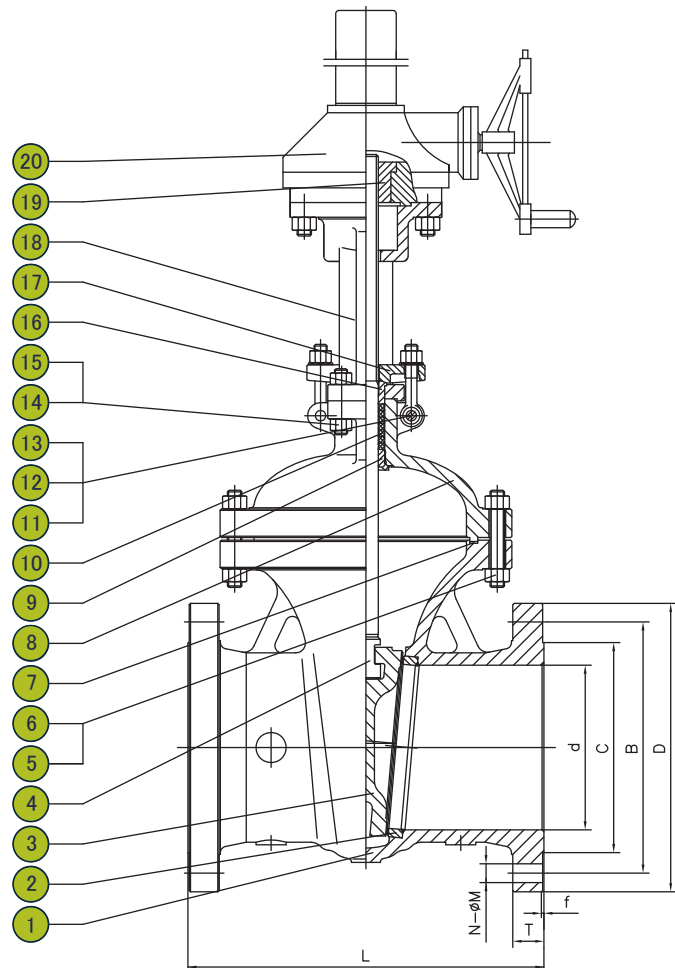
- Cast steel body construction providing liberal strength to meet most conditions
- Integral yoke & bonnet; Outside screw & yoke, bolted bonnet
- Single flexible wedge disc compensates for deformation of body due to pipe stresses
- Seal welded seat ring eliminates leak path behind rings and for long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

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- 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	STEM NUT	ASTM A439 D2
20	GEAR BOX	COMPONENTS



Dimensions (mm):

SIZE		d	D	B	C	L	T	f	N	M
in	DN									
20"	500	483	775	686.0	584	991	64	1.6	24	35