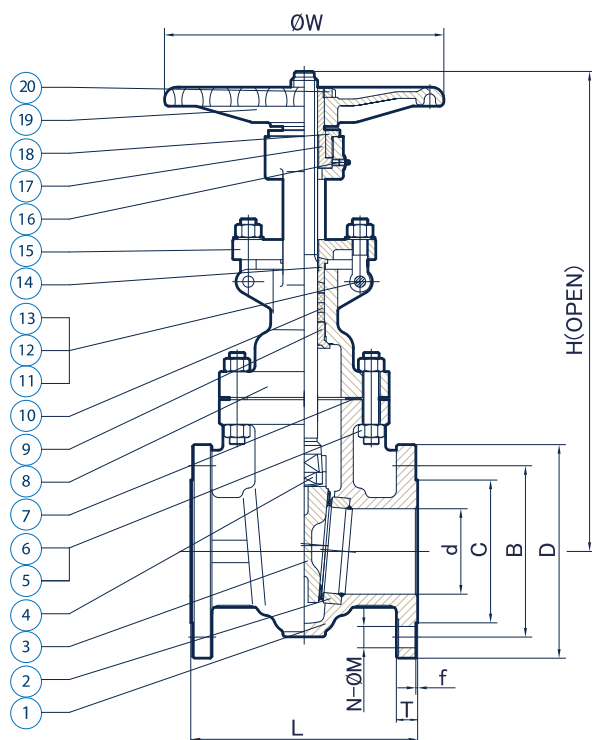


GATE VALVES

KSD
Class 150, 2" - 4"



PARTS

No.	Part	Material
1	Body	ASTM A216 WCB
2	Seat ring	ASTM A105 + Stellite
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	SS 304 + 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	Copper 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	kg
DN	IN												
50	2"	51	152	120,5	92	200	178	400	16	1,6	4	19	16
65	2 1/2"	64	478	139,5	105	220	190	435	18	1,6	4	19	20
80	3"	76	190	152,5	127	250	203	515	19	1,6	4	19	25
100	4"	102	229	190,5	157	280	229	595	24	1,6	8	19	40

FEATURES

- » Cast steel body construction providing liberal strength to meet most conditions
- » Integral yoke and bonnet: outside screw and 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

NOTE

For non horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

STANDARDS

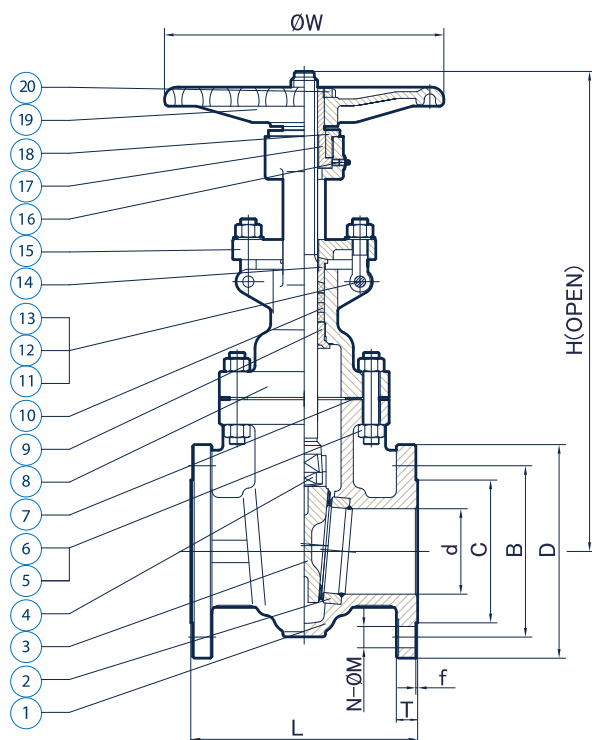
- » Basic design to API 600
- » Face-to-face according to DIN B16.10
- » Flange dimensions according to B16.5
- » Inspection and test according to API598

MAX. PRESSURE / TEMPERATURE

Pmax: 285 psi@34°F
Pmax: 19 bar@50°C
Tmax: 842°F
Tmax: 500°C

GATE VALVES

KSD
Class 150, 5" - 8"



PARTS

No.	Part	Material
1	Body	ASTM A216 WCB
2	Seat ring	ASTM A105 + Stellite
3	Wedge	ASTM A216 WCB + 13Cr
4	Stem	ASTM A182 F6a
5	Bonnet nut	ASTM A194 2H
6	Bonnet bolt	ASTM 193 B7
7	Gasket	SS 304 + 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	Copper 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	kg
DN	IN												
125	5"	127	254	216	186	280	254	710	24	1,6	8	22	50
150	6"	152	279	241,5	216	300	267	780	26	1,6	8	22	63
200	8"	203	343	298,5	270	350	292	975	29	1,6	8	22	103

FEATURES

- » Cast steel body construction providing liberal strength to meet most conditions
- » Integral yoke and bonnet: outside screw and 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

NOTE

For non horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

STANDARDS

- » Basic design to API 600
- » Face-to-face according to DIN B16.10
- » Flange dimensions according to B16.5
- » Inspection and test according to API598

MAX. PRESSURE / TEMPERATURE

Pmax: 285 psi@34°F

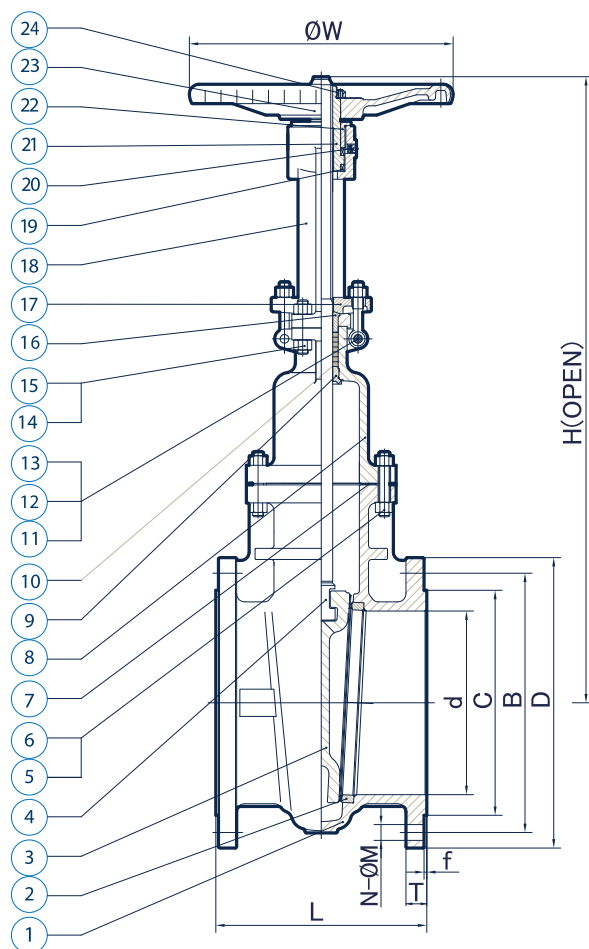
Pmax: 19 bar@50°C

Tmax: 842°F

Tmax: 500°C

GATE VALVES

KSD
Class 150, 10"- 12"



PARTS

No.	Part	Material
1	Body	ASTM A216 WCB
2	Seat ring	ASTM A105 + Stellite
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	SS 304 + 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	Copper 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	kg
DN	IN												
250	10"	254	406	362	324	400	330	1150	31	1,6	12	25	160
300	12"	305	483	432	381	450	356	1380	32	1,6	12	25	244

FEATURES

- » Cast steel body construction providing liberal strength to meet most conditions
- » Integral yoke and bonnet: outside screw and 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

NOTE

For non horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

STANDARDS

- » Basic design to API 600
- » Face-to-face according to DIN B16.10
- » Flange dimensions according to B16.5
- » Inspection and test according to API598

MAX. PRESSURE / TEMPERATURE

Pmax: 285 psi@34°F

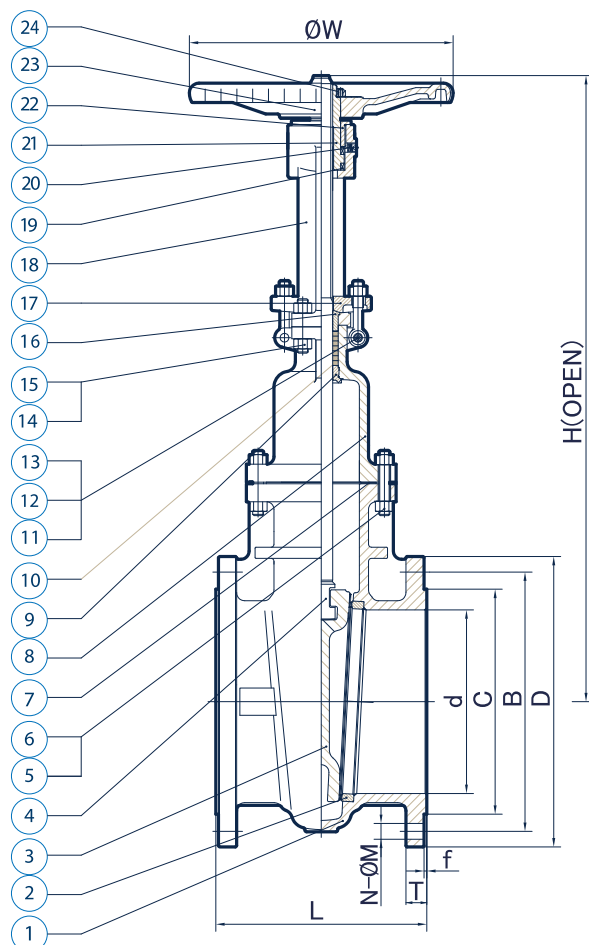
Pmax: 19 bar@50°C

Tmax: 842°F

Tmax: 500°C

GATE VALVES

KSD
Class 150, 14" - 24"



PARTS

No.	Part	Material
1	Body	ASTM A216 WCB
2	Seat ring	ASTM A105 + Stellite
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	SS 304 + Flexible graphite
8	Bonnet	ASTM 216 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	Copper 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	kg
DN	IN												
350	14"	337	533	478	413	500	381	1545	35	1,6	12	29	354
400	16"	387	597	540	470	550	406	1733	37	1,6	16	29	446
450	18"	438	635	578	533	600	432	1915	40	1,6	16	32	650
500	20"	489	699	635	584	700	457	2120	43	1,6	20	32	800
600	24"	591	813	749,5	692	700	508	2520	48	1,6	20	35	1200

FEATURES

- » Cast steel body construction providing liberal strength to meet most conditions
- » Integral yoke and bonnet: outside screw and 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

NOTE

For non horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

STANDARDS

- » Basic design to API 600
- » Face-to-face according to DIN B16.10
- » Flange dimensions according to B16.5
- » Inspection and test according to API598

MAX. PRESSURE / TEMPERATURE

Pmax: 285 psi@34°F

Pmax: 19 bar@50°C

Tmax: 842°F

Tmax: 500°C