

CAST STEEL GATE VALVES, CLASS 300 (HANDWHEEL OPERATED)

Design Features

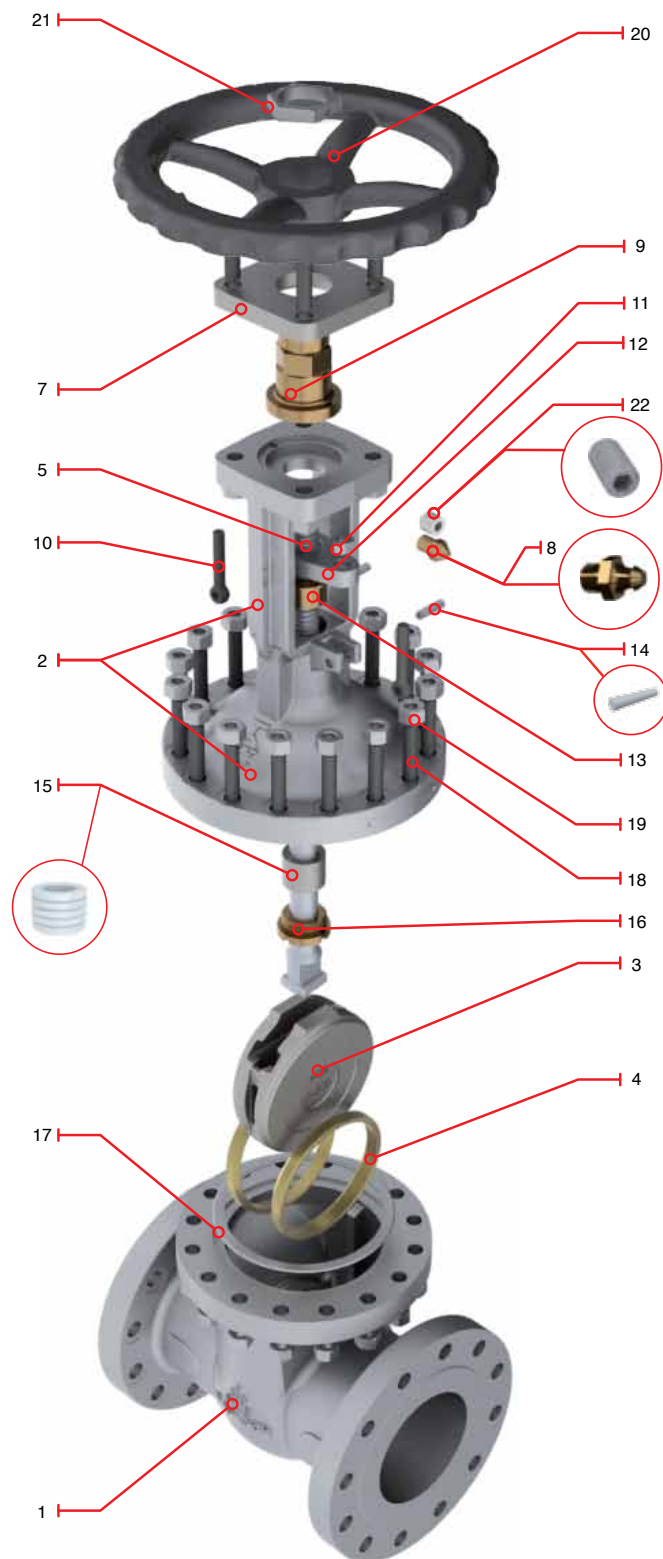
- Design in accordance with API-600
- Outside Screw & Yoke (OS & Y)
- Flexible wedge as standard
- Solid wedge available upon request
- From 2" to 24" Handwheel operated as Standard.
- Flange Dimensions as per ASME B16.5
- End to end dimensions as per ASME B16.10
- WE dimensions as per ASME B16.25
- Flange dimensions larger than 24" according to ASME B16.47 Series A as standard
- Flange dimensions as per ASME B16.47 Series B available upon request

Catalog Figure No.	ID Plant Figure No.	Type of Ends
5206RF	5206F	Flanged Raised Face
5206RTJ	5206RJ	Flanged Ring Type Joint
5206WE	5206WE	Buttweld

Regular Bill of Materials

No.	Description	STANDARD MATERIAL
1	Body	ASTM A 216 GR WCB
2	Yoke/Bonnet	ASTM A 216 GR WCB
3	Wedge	ASTM A 216 GR WCB + 13% Cr.
4	Seat Ring	ASTM A 515 GR 70
5	Stem	ASTM A 276 Type 410
*6	Stem Nut Retainer	ASTM A 108 GR 1020
7	Stem Retainer	Alloy Steel
8	Grease Fitting	Commercial Steel
9	Stem Nut	UNS C95600 or Ni-Resist
10	Eyebolt	Alloy Steel
11	Eyebolt Nut	ASTM A 307
12	Gland Flange	ASTM A 515 GR 70
13	Packing Bushing	ASTM A 108 GR 1020
14	Eyebolt Pin	Alloy Steel
15	Stem Packing	Graphite
16	Bonnet Bushing	ASTM A 276 Type 410
17	Bonnet Gasket	Spiral Stainless 304/Graphite
18	Bonnet Stud	ASTM A 193 GR B7
19	Bonnet Stud Nut	ASTM A 194 GR 2H
20	Handwheel	ASTM A 197
21	Handwheel Nut	ASTM A 108 GR 1020
22	Set Screw	Alloy Steel
*23	Identification Plate	Stainless Steel

*Not Shown



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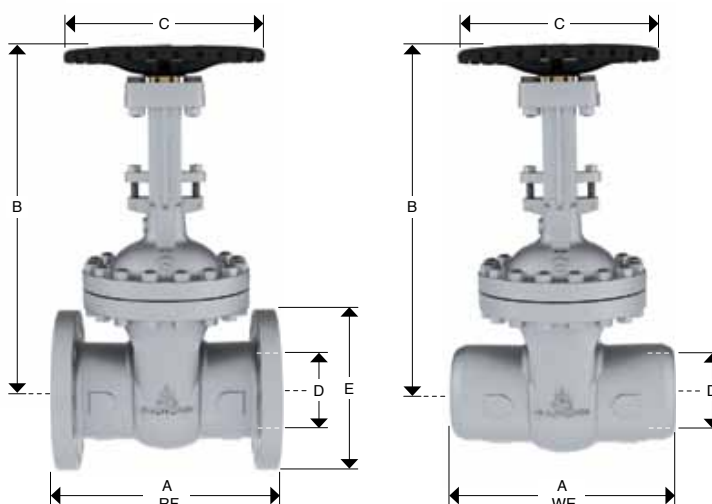
(HANDWHEEL OPERATED)



Design Features

- Design in accordance with API-600
- Flexible wedge as standard
- Solid wedge available upon request
- From 2" to 24" Handwheel operated as Standard.
- Flange dimensions as per ASME B16.5
- End to end dimensions as per ASME B16.10
- WE dimensions as per ASME B16.25

Catalog Figure No.	ID Plant Figure No.	Type of Ends
5206RF	5206F	Flanged Raised Face
5206RTJ	5206RJ	Flanged Ring Type Joint
5206WE	5206WE	Buttweld



Dimensions and Weights

D Nominal Diameter	mm	51	64	76	102	127	152	203	254	305	356	406	457	508	610
	in	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24
A	mm	216	241	283	305	381	403	419	457	502	762	838	914	991	1143
(RF and WE)	in	8 1/2	9 1/2	11 1/8	12	15	15 7/8	16 1/2	18	19 3/4	30	33	36	39	45
B	mm	473	579	528	637	695	935	1083	1314	1594	1730	1924	2105	2334	2810
	in	18 5/8	22 13/16	20 25/32	25 1/16	27 3/8	36 13/16	42 5/8	51 3/4	62 3/4	68 1/8	75 3/4	82 7/8	91 7/8	110 5/8
C	mm	203	203	254	254	300	356	406	508	508	660	711	864	864	864
	in	8	8	10	10	11 13/16	14	16	20	20	26	28	34	34	34
E	mm	165	191	210	254	279	318	381	445	521	584	648	711	775	914
	in	6 1/2	7 1/2	8 1/4	10	11	12 1/2	15	17 1/2	20 1/2	23	25 1/2	28	30 1/2	36
Weight	Kg	25	39	43	70	92	137	222	322	470	760	1202	1633	2064	2268
5206RF	lb	55	86	95	154	202	301	488	708	1034	1672	2644	3593	4541	4990
Weight	Kg	20	38	33	51	78	129	194.6	299.9	407.3	669	1043	1383	1864	1950
5206WE	lb	44	83.6	72.6	112.2	172.04	283.8	428.12	659.78	896.06	1471.36	2294.6	3042.6	4100.8	4290

CAST STEEL GATE VALVES, CLASS 300 (GEAR OPERATED)

Design Features

- Design in accordance with API-600
- Outside Screw & Yoke (OS & Y)
- Flexible wedge as standard
- Solid wedge available upon request
- Size 30" and up to 42", supplied with GEAR operator as standard.
- Flange dimensions as per ASME B16.47 Series A. Series B available upon request.
- End to end dimensions as per ASME B16.10
- WE dimensions as per ASME B16.25

Catalog Figure No.	ID Plant Figure No.	Type of Ends
5206RF	5206F	Flanged Raised Face
5206RTJ	5206RJ	Flanged Ring Type Joint
5206WE	5206WE	Buttweld

Regular Bill of Materials

No.	Description	WCB Trim UT
1	Body	ASTM A 216 GR WCB
2	Bonnet	ASTM A 216 GR WCB
3	Wedge	ASTM A 216 GR WCB + 13% Cr.
4	Seat Ring	ASTM A 515 GR 70 + ST 6
5	Stem	ASTM A 276 Type 410
6	Yoke	ASTM A 216 GR WCB
7	Stem Nut Retainer	ASTM A 36
8	Eyebolt / Gland Flange Studs	Alloy Steel
9	Eyebolt Nut	ASTM A 307
10	Gland Flange	ASTM A 515 GR 70
11	Packing Bushing	ASTM A 108 GR 1020
12	Eyebolt Pin	Alloy Steel
13	Stem Packing	Graphite
14	Bonnet Bushing	ASTM A 276 Type 410
15	Bonnet Gasket	Spiral Stainless 304/Graphite
16	Bonnet Stud	ASTM A 193 GR B7
17	Bonnet Stud Nut	ASTM A 194 GR 2H
18	Gear Operator	as customer requirements
19	Operator Bolts	Alloy Steel
20	Yoke Stud	Alloy Steel
21	Yoke Stud Nut	ASTM A 307
22	Retainer Bolt	Alloy Steel
*23	Identification Plate	Stainless Steel

*Not Shown

