

# BARIQ

## CAST STEEL GATE VALVE

### MODEL: B7300

#### ASME CLASS 300 FLANGED GATE VALVE

#### STANDARDS

- Valve Design & Manufacture : ASME B16.34
- Face to Face Dimensions : ASME B16.10
- Flange Drilling : ASME B16.5 Class 300
- Inspection & Testing : API 598



#### TECHNICAL DATA

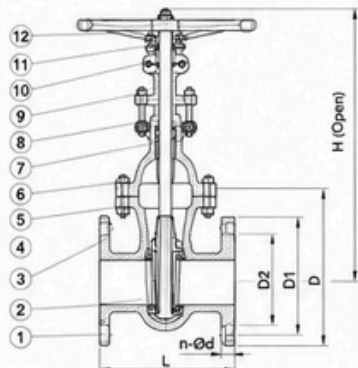
Shell Test Pressure	7.5 MPa (Hydrostatic)
Seat Test Pressure	5.5 MPa (Hydrostatic)
Back Seat Test Pressure	5.5 MPa (Hydrostatic)
Air Test (Low Pressure)	0.6 MPa
Applicable Medium	Water, Oil, Gas
Working Temperature	-29°C to +425°C

#### DIMENSIONS & SIZE RANGE

Size Range	DN50 – DN300
Inch Range	2" – 12"
Pressure Class	ASME Class 300
End Connection	Flanged
Face to Face	ASME B16.10
Flanges	ASME B16.5

**Available Sizes:**  
2", 2½", 3", 4", 5", 6", 8", 10", 12"  
Detailed dimensions and weights are available upon request.

#### CROSS SECTION & DIMENSIONAL DRAWING



#### MATERIALS OF MAIN PARTS

NO.	PART	MATERIAL
12	Handwheel	Ductile Iron
11	Stem Nut	Bronze
10	Packing	Flexible Graphite
9	Bonnet	ASTM A216 WCB
8	Bonnet Bolt	ASTM A193 B7
7	Gland	ASTM A216 WCB
6	Bonnet Gasket	Graphite + SS304
5	Bonnet Flange	ASTM A216 WCB
4	Body	ASTM A216 WCB
3	Wedge	ASTM A216 WCB + 13Cr
2	Seat Ring	Stainless Steel
1	Stem	ASTM A182 F6a

#### DIMENSIONS (APPROX.)

SIZE (INCH)	DN (mm)	L (FACE TO FACE) (mm)	FLANGE				H (OPEN) (mm)	W (HANDWHEEL) (mm)	APPROX. WEIGHT (kg)
			D (OD) (mm)	D1 (BC) (mm)	n-Ød (No. - Dia.) (mm)	T (THK.) (mm)			
2"	50	216	165	127	8 - Ø19	24	405	200	33
2½"	65	241	190	149	8 - Ø22	26	455	250	48
3"	80	283	210	168	8 - Ø22	28	510	250	62
4"	100	305	254	200	8 - Ø22	30	610	300	95
5"	125	381	279	235	8 - Ø22	32	690	350	145
6"	150	403	318	270	12 - Ø22	34	780	400	205
8"	200	419	381	330	12 - Ø25	38	950	450	335
10"	250	457	445	387	16 - Ø29	42	1120	500	520
12"	300	502	521	451	16 - Ø32	46	1300	600	780

Note: Dimensions and weights are approximate and may vary slightly depending on production design. Final certified dimensions shall be submitted upon order confirmation.

**PRESSURE RATING**  
ASME CLASS 300

**SIZE RANGE**  
DN50 – DN300  
2" – 12"

**TESTING (API 598)**

- Shell Test : 7.5 MPa (Hydrostatic)
- Seat Test : 5.5 MPa (Hydrostatic)
- Back Seat Test : 5.5 MPa (Hydrostatic)
- Air Test (Low Pressure) : 0.6 MPa
- Applicable Medium : Water, Oil, Gas

**APPLICATIONS**

- Water Treatment
- HVAC Systems
- Oil & Gas
- General Industry

