

BARIQ B7300 | PRODUCT OVERVIEW



PRODUCT RANGE

DN50-DN300 | CLASS 300

BODY & BONNET

Cast steel WCB

TRIM

Stainless steel 304

CONNECTION

ASME B16.5 flanged

OPERATION

OS&Y handwheel

TEMPERATURE

-29 C to +425 C

PRODUCT DESCRIPTION

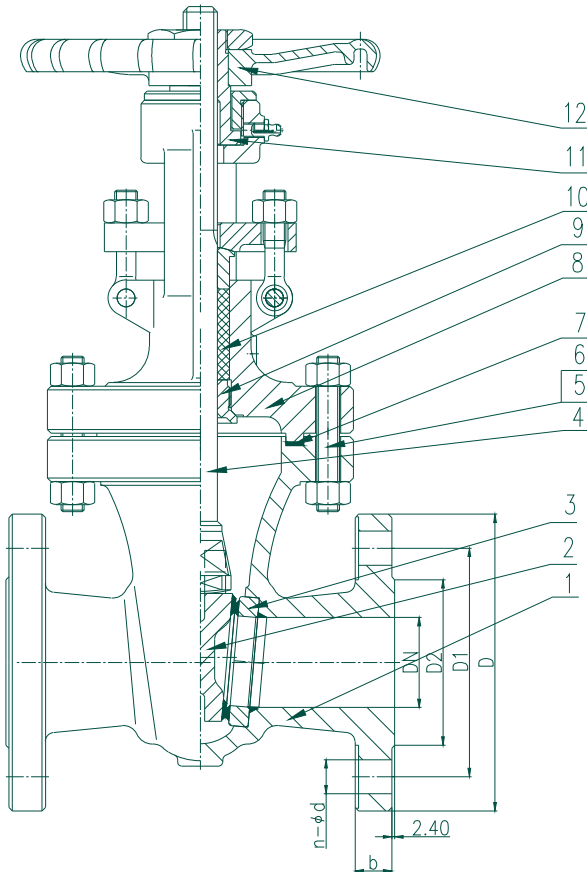
BARIQ B7300 is a Class 300 flanged gate valve with an outside screw and yoke (OS&Y;) rising-stem mechanism. A WCB cast-steel body and bonnet are combined with stainless-steel 304 wedge, seats, stem and back seat for a coordinated metallic construction.

DESIGN HIGHLIGHTS

- **OS&Y rising stem**
Visible stem movement during operation
- **Stainless-steel trim**
SS304 wedge, stem, seats and back seat
- **Bolted bonnet**
SS304 and graphite gasket construction
- **Standardised interfaces**
ASME B16.5 flanges / B16.10 face-to-face

BARIQ B7300 | SECTIONAL ASSEMBLY & TECHNICAL DATA

SECTIONAL ASSEMBLY



MATERIALS OF CONSTRUCTION

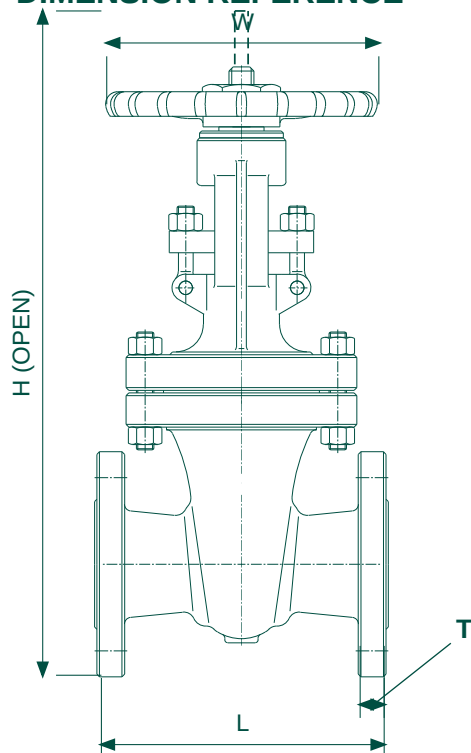
ITEM	PART	MATERIAL
12	Handwheel	Ductile iron
11	Stem nut	Copper alloy
10	Packing	Flexible graphite
9	Back seat	Stainless steel 304
8	Bonnet	WCB
7	Gasket	SS304 + graphite
6	Bonnet nut	ASTM A194 2H
5	Bonnet bolt	ASTM A193 B7
4	Stem	Stainless steel 304
3	Seat rings	Stainless steel 304
2	Wedge	Stainless steel 304
1	Body	WCB

DESIGN STANDARDS & TESTING

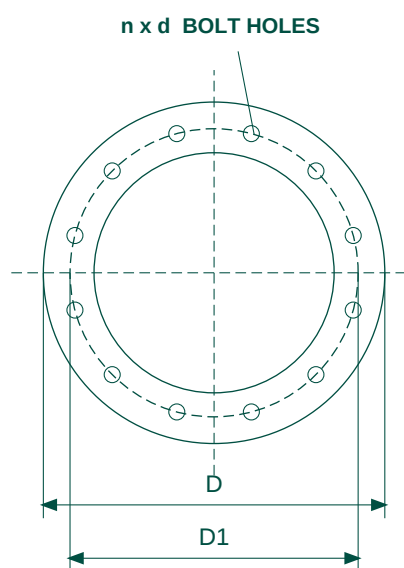
PARAMETER	SPECIFICATION
Design and manufacture	ASME B16.34
Flanges	ASME B16.5 - Class 300
Face-to-face	ASME B16.10
Inspection and testing	API 598
Shell hydrostatic test	7.5 MPa / 75 bar
Seat / back-seat hydrostatic test	5.5 MPa / 55 bar
Low-pressure air test	0.6 MPa / 6 bar
Applicable media	Water, oil and gas

BARIQ B7300 | DIMENSIONS & SIZE RANGE

DIMENSION REFERENCE



DIMENSION VIEW



FLANGE END VIEW

DIMENSIONAL SCHEDULE (APPROX.)

Dimensions: mm | Weight: kg

SIZE	DN	L	D	D1	n x d	T	H (OPEN)	W	WEIGHT
2"	50	216	165	127	8 x 19	24	405	200	33
2 1/2"	65	241	190	149	8 x 22	26	455	250	48
3"	80	283	210	168	8 x 22	28	510	250	62
4"	100	305	254	200	8 x 22	30	610	300	95
5"	125	381	279	235	8 x 22	32	690	350	145
6"	150	403	318	270	12 x 22	34	780	400	205
8"	200	419	381	330	12 x 25	38	950	450	335
10"	250	457	445	387	16 x 29	42	1120	500	520
12"	300	502	521	451	16 x 32	46	1300	600	780

L: face-to-face | D: flange diameter | D1: bolt circle | n x d: bolt holes

T: flange thickness | H: open height | W: handwheel diameter