

PRODUCT OVERVIEW

DI GATE VALVE

B7000

BRASS SEAT RINGS / NON-RISING STEM



TECHNICAL OVERVIEW

Working pressure

PN16 / 1.6 MPa (16 bar)

Shell test pressure

2.4 MPa (24 bar)

Seat test pressure

1.76 MPa (17.6 bar)

Working temperature

-10°C to +150°C

Suitable media

Water

Flange standard

EN 1092-1 (PN16)

Operation

Handwheel / non-rising stem

PN16

WORKING PRESSURE

DN50-DN400

SIZE RANGE

DUCTILE IRON GATE VALVE WITH BRASS SEATS

BARIQ B7000 combines a ductile iron body and wedge with brass body and wedge seat rings. The non-rising stem supports compact installation and manual handwheel operation.

INTERNAL EPOXY COATING

Fusion bonded epoxy (FBE) coating, designed for potable water applications.
Dry film thickness: 300 microns minimum.
Coating standards: AWWA C550 and Saudi Aramco SAES-S-133.

SYSTEM APPLICATIONS

Industrial plants and water treatment
Sewage water and non-aggressive fluids
Air-conditioning systems (HVAC)
Central heating and cooling circuits
Tanks and irrigation

MATERIAL & TESTING

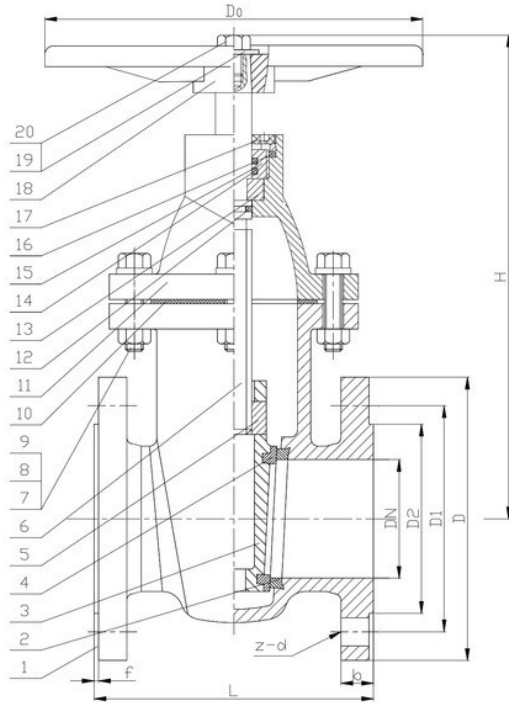
ASTM A536 | BS EN 12266-1:2012 shell and seat testing | EN 1092-1 flanges

CONSTRUCTION & DIMENSIONS

DI GATE VALVE

B7000

ASSEMBLY / MATERIALS / FLANGED CONNECTIONS



MATERIAL SPECIFICATION

1	Body	Ductile iron
2	Body seat ring	Brass
3	Wedge	Ductile iron
4	Wedge seat ring	Brass
5	Stem nut	Brass
6	Stem	2Cr13
7	Bonnet bolt	Carbon steel
8	Nut	Carbon steel
9	Washer	Carbon steel
10	Gasket	NBR
11	Bonnet nut	Ductile iron
12	O-ring	NBR
13	Locating ring	Brass
14	O-ring	NBR
15	Bonnet nut	Brass
16	Minipad	TFL
17	Dust ring	NBR
18	Wheel	Ductile iron
19	Washer	Carbon steel
20	Bolt	Carbon steel

DIMENSIONS

All dimensions in mm

PART NO.	DN	D	D1	D2	L	b	H	f	z-d	Do
B7050	50	165	125	99	150	20	232	3	4-19	200
B7065	65	185	145	118	170	20	258	3	4-19	200
B7080	80	200	160	132	180	22	281	3	8-19	220
B7100	100	220	180	156	190	24	315	3	8-19	250
B7125	125	250	210	184	200	26	358	3	8-19	280
B7150	150	285	240	211	210	26	408	3	8-23	280
B7200	200	340	295	266	230	30	500	3	12-23	320
B7250	250	405	355	319	250	32	572	3	12-23	350
B7300	300	460	410	370	270	32	662	4	12-23	400
B7350	350	520	470	429	290	36	751	4	16-23	450
B7400	400	580	525	480	310	38	832	4	16-31	450

Flange drilling conforms to EN 1092-1 (PN16).