

PRODUCT OVERVIEW

DI SWING CHECK VALVE

C9000

FULL BORE / FLANGED ENDS

TECHNICAL OVERVIEW

Working pressure

PN16 (16 bar)

Shell test pressure

24 bar

Seat test pressure

17.6 bar

Working temperature

-10°C to +150°C

Applicable fluids

Water; non-corrosive liquids

Flange standard

EN 1092-1

Nominal sizes

DN50-DN500 (2-20 in)



PN16

WORKING PRESSURE

DN50-DN500

SIZE RANGE

DUCTILE IRON NON-RETURN VALVE

BARIQ C9000 is a full-bore, flanged swing check valve with a ductile iron body, cover and disc. Internal and external epoxy powder coating provides a minimum coating thickness of 300 microns.

DUCTILE IRON CONSTRUCTION

GGG50 body, cover and disc.

INTERNAL & EXTERNAL EPOXY

Epoxy powder coating: 300 microns minimum.

STAINLESS STEEL HINGE PARTS

SS420 hinge and hinge pin with a brass seat ring.

SHELL & SEAT TESTED

Inspection and testing to EN 12266-1:2012.

CONSTRUCTION & DIMENSIONS

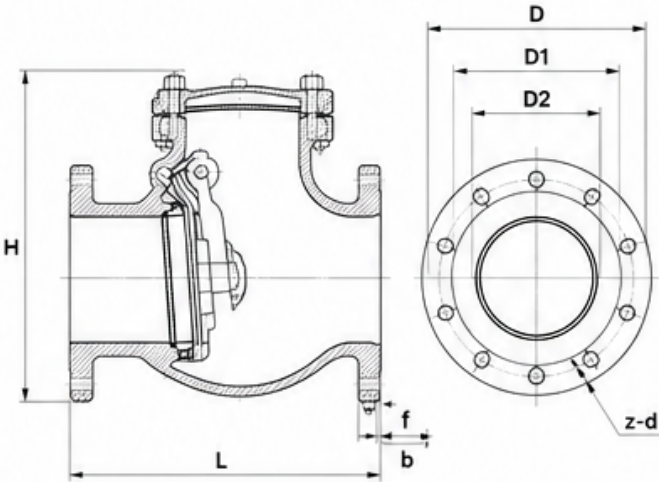
DI SWING CHECK VALVE

C9000

ASSEMBLY / MATERIALS / STANDARDS

MATERIAL SPECIFICATION

1	Body	GGG50
2	Cover	GGG50
3	Disc	GGG50
4	Hinge	SS420
5	Seat ring	Brass
6	Hinge pin	SS420
7	Plug	Carbon steel
8	Gasket	NBR
9	Bolt	Carbon steel
10	Nut	Carbon steel
11	Nameplate	SS304



DIMENSIONS

All dimensions in mm

PART NO.	DN	L	D	D1	D2	z-d	f	b	H
9050	50	200	165	125	99	4-19	3	20	137
9065	65	240	185	145	118	4-19	3	20	147
9080	80	260	200	160	132	8-19	3	22	159
9100	100	300	220	180	156	8-19	3	24	180
9125	125	350	250	210	184	8-19	3	26	203
9150	150	400	385	240	211	8-23	3	26	223
9250	250	600	405	355	316	12-23	3	32	290
9300	300	700	460	410	370	12-28	4	32	325
9350	350	800	520	470	429	16-28	4	36	361
9400	400	900	580	525	480	16-31	4	38	388
9450	450	1000	640	585	548	20-31	4	40	450
9500	500	1100	715	650	609	20-34	4	42	518

MATERIAL & MANUFACTURING STANDARDS

Body material	EN-GJS-500-7 (GGG50)
Flange drilling	EN 1092-1
Face-to-face dimensions	EN 558 Series 48
Inspection & pressure testing	EN 12266-1:2012 - shell and seat testing