



DI SWING CHECK VALVE

MODEL C9000

FULL BORE | FLANGED ENDS

PN16

NOMINAL PRESSURE

WRAS
APPROVED PRODUCT

SAUDI
MADE

ISO
9001:2015

CE



PN16
NOMINAL
PRESSURE

WATER
SERVICE
SUITABLE
MEDIA

EPOXY
COATED
300µm
MINIMUM

QUALITY
ASSURED
100% TESTED

TECHNICAL OVERVIEW

Nominal Working Pressure	PN16 (16 BAR)	
Pressure Test	Shell Test	24 BAR
	Seat Test	17.6 BAR
Working Temperature	-10°C up to 150°C	
Applicable Fluid	Water, Non-corrosive liquid	
Flange Standard	EN 1092-1	
Nominal Size	DN50 – DN500 (2" – 20")	

MATERIAL AND PARTS LIST

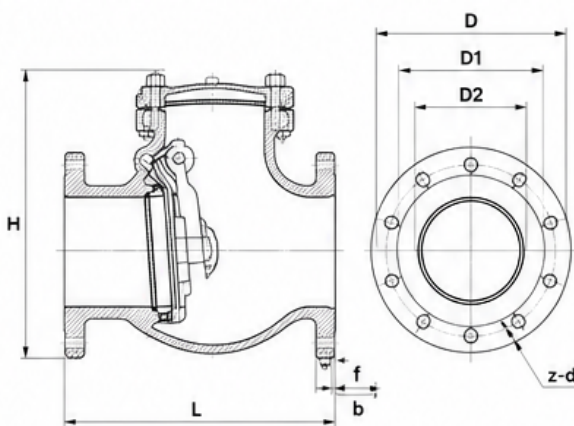
NO.	PART	MATERIAL
1	Body	GGG50
2	Cover	GGG50
3	Disc	GGG50
4	Hinge	Stainless Steel SS420
5	Seat Ring	Brass
6	Hinge Pin	Stainless Steel SS420
7	Plug	Carbon Steel
8	Gasket	NBR
9	Bolt	Carbon Steel
10	Nut	Carbon Steel
11	Nameplate	SS 304

DIMENSIONS (mm)

Part Number	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

Note: Dimensions are subject to change without notice.

TECHNICAL DRAWING



MATERIAL AND MANUFACTURING STANDARD

- Valve body made of ductile iron EN-GJS-500-7 (GGG50)
- Flange drilling according to EN 1092-1
- Face to face dimensions according to EN 558 Series 48
- Testing according to EN 12266-1

COATING SPECIFICATIONS



Inside and outside epoxy powder coating, thickness is 300µm minimum.

INSPECTION SPECIFICATIONS



Inspection and test standards comply with EN 12266-1:2012 for Shell and Seat Testing.

Nominal pressure	1.6MPa
Shell Test pressure	2.4MPa
Seat Test pressure	1.76MPa
Suitable media	Water
Suitable Temperature	-10 ~ 150°C



RELIABLE
PERFORMANCE



DURABLE
DESIGN



CORROSION
RESISTANT



EASY
MAINTENANCE



HIGH
PERFORMANCE



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