

SWING CHECK VALVE CSW-51

Pmax: 16bar | Wafer | DN40 – DN600

WAFER SWING CHECK VALVE with NBR



APPLICATION

General purpose industrial installation compatible with the valve type, for heating and water distribution.

FEATURES

Carbon steel body and disc with NBR seat.

Wafer swing check valve type with short length and with a removable hoisting eye for easy installation

GENERAL CHARACTERISTICS

Range: DN40 – DN300 (standard) and optional up to DN600
Wafer swing check valve
Between flanges PN10/16 up to DN150,
PN16 over and Class 150 (PN20) from DN100 to 300
Monobloc disc and stem for a better mechanical strength

Integrated body gasket
Short length
Assembling: Horizontal
or Vertical position with ascending fluid.
Respect the flow direction indicated by the arrow

STANDARDS

Manufacturer certified ISO 9001 : 2015 and ISO 14001 : 2015

Pressure tests according to API 598, table 6

DIRECTIVE 2014/68/UE

- DN40-50 : Risk category I, CE marking
- DN65-200 : Risk category II, CE0035 marking
- DN250-300 : Risk category III, CE0035 marking

Designing according to API 594 and EN 16767

Length according to EN 558 series 97 (NF 29377)

Between flanges according to EN 1092-1 PN10/16

Certificate 3.1 on request

WORKING CONDITIONS

Maximum Working Pressure:

16 bar range DN40 – DN300 and **10 bar** range DN350 – DN600

Working Temperature:- 10°C / +80°C.

Max Speed: 3m/s

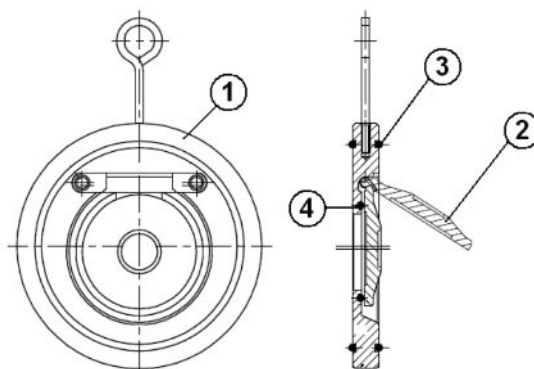
Do not use with pulsatory speed

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CONSTRUCTION

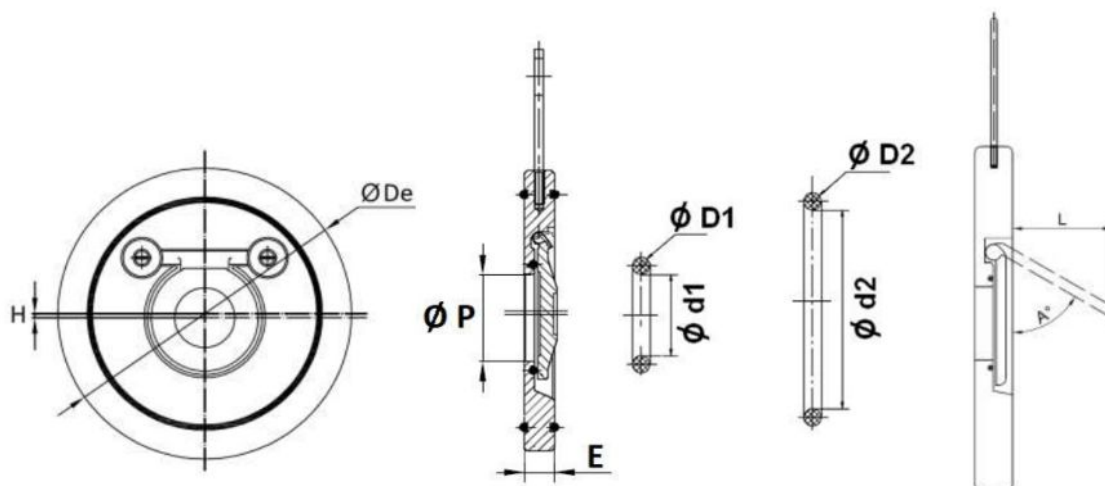
item	Part	Material
1	Body	Chromed ASTM A216 WCB
2	Disc	Chromed ASTM A216 WCB
3	Seat	NBR
4	Gasket	NBR
Id marking		CSW51-xxx.155AY PN16



xxx – dimension type f.g. DN40= 040, DN150 = 150

NOTE! „id marking” is not complete. In case of fully id please send the inquiry to email: info@mixflow.com.pl

Overall dimensions DN40 – DN300 [mm]



DN	E	Ø De	H	Ø P	L	A (°)	Ø d2	Ø D2	Ø d1	Ø D1	Weight (Kg)
40	14	94	1	19	25.3		70.1	3.8	21.6	3	0.69
50	14	109	1	27	33.7	65	80.7	3.8	29.3	3	0.86
65	14	129	2	28	42.1	65	100.2	3.8	34.8	3	1.2
80	14	144	3	43.5	54.2	60.4	107.8	3.8	48.7	3	1.49
100	18	164	3	60	72.1	62.9	134.8	3.8	62.9	3.8	2.42
125	18	194	5	83.5	92.9	62.7	158	3.8	84.8	3.8	3.29
150	20	220	5	100	111.9	65.4	186	3.8	101.5	3.8	4.72
200	22	275	5	141	150.3	61.5	240.1	3.8	144	3.8	7.92
250	26	331	6	179	190.5	63.4	284.4	3.8	181.6	3.8	13.73
300	32	386	10	212	228.1	67.8	328	6	216.4	6	21.04

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FLOW COEFFICIENT Kvs (m³/h)

DN	40	50	65	80	100	125	150	200	250	300
Kvs (m³/h)	21.88	44.72	46.72	117.89	226.23	453.44	649.86	1322.6	2147.4	2993.2

INSTALLATION POSITIONS

Assembling: Horizontal or Vertical position with ascending fluid.

