

DISC CHECK VALVE CVT-91

Pmax: 63bar | Threaded | 1/4" – 4"

DISC CHECK VALVE FEMALE BSP



APPLICATION

Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air and water

FEATURES

2 pieces stainless steel disc check valve female BSP. Compatible with explosive atmosphere,

GENERAL CHARACTERISTICS

Range from 1/4" – 4"

Connection threaded, female BSP cylindrical

Disc check valve with spring

Short length

Metal seat

Assembling: All positions

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/EU:

- 1/4"-1" : Article 4, §3 (SEP), no CE marking

- 1"1/4-2" : Risk Category II, CE0036 marking

BSP threaded cylindrical ends according to ISO 7/1 Rp

ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 & 22 (optional marking)

WORKING CONDITIONS

Maximum Working Pressure: 63 bar / Steam: max 10 bar (at +180°C)

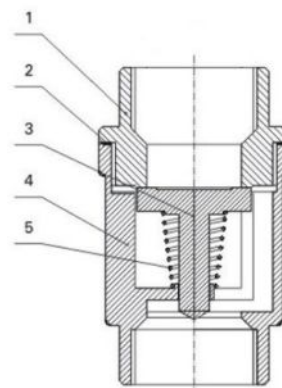
Working Temperature:- 20°C / +180°C.

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CONSTRUCTION

item	Part	Material
1	Bonnet	EN 1.4408
2	Gasket	PTFE
3	Disc	EN 1.4408
4	Body	EN 1.4408
5	Spring	AISI 316
Id marking		CVT91-xxx.177Z7 PN63

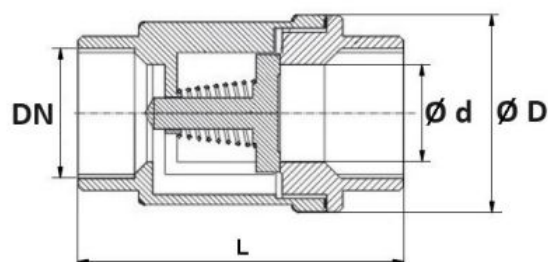


xxx – dimension type f.g. 1/2" = 015, 1"1/4 = 032

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

Overall dimensions [mm]

Dim	Ø d	Ø D	L	Weight (Kg)
1/4"	8	30.5	53	0.17
3/8"	10	30.5	53	0.15
1/2"	15	37	56	0.21
3/4"	20	42	63	0.29
1"	25	48	74	0.4
1" 1/4	30	58	81	0.65
1" 1/2	38	70	91	0.98
2"	47	82	97	1.4
2" 1/2	61	102.5	118	2.63
3"	75	120	138	4.08
4"	94	150	158	7.05



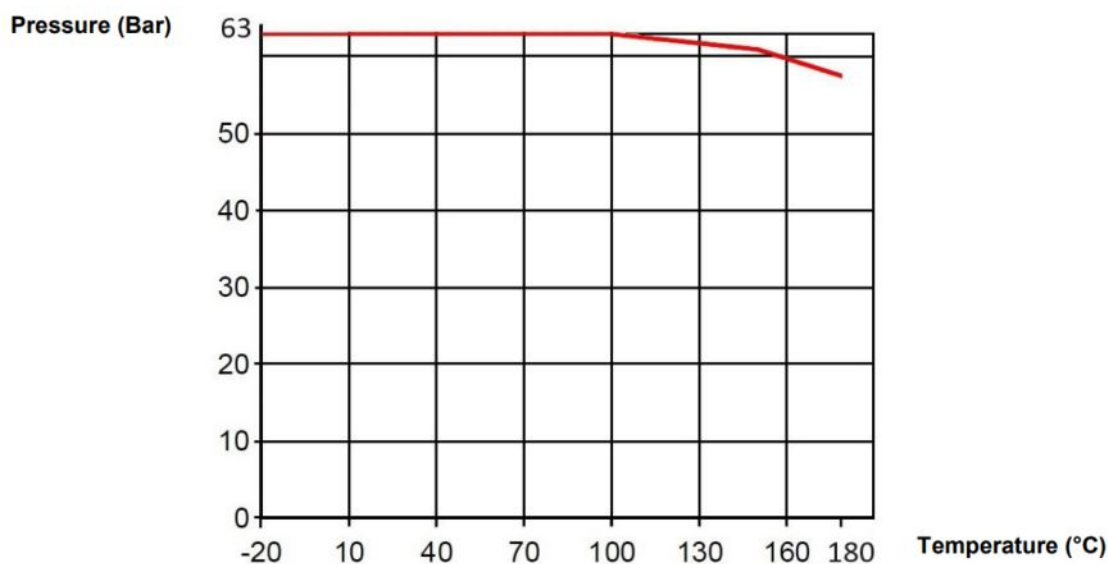
OPENING PRESSURE (in mbar)

DN	1/4"	3/8"	1/2"	3/4"	1"	1" 1/4	1" 1/2	2"	2" 1/2	3"	4"
(mbar)	80/90	60/70	55/65	50/60	45/50	35/40	25/30		20/25		

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PRESSURE / TEMPERATURE GRAPH



FLOW COEFFICIENT Kvs (m³/h)

DN	1/4"	3/8"	1/2"	3/4"	1"	1" 1/4	1" 1/2	2"	2" 1/2	3"	4"
Kvs (m³/h)	0.18	1.11	3.3	7.1	12.7	14.1	22.5	31.5	54	75	110

