

DISC CHECK VALVE CVT-90

Pmax: 63bar | Threaded | 1/4" – 2"

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" – 2"

Connection threaded, female BSP

Disc check valve with spring

Short length

PTFE seat filled with 15% glass fiber

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 also for liquids and gas of Group 1 :

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

- 1"1/4-2" : Risk Category II, CE 0035 marking

Female BSPP internal parallel thread according to ISO 228-1

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

Certificate 3.1 on request

WORKING CONDITIONS

Maximum Working Pressure: 63 bar / Steam: max 14 bar

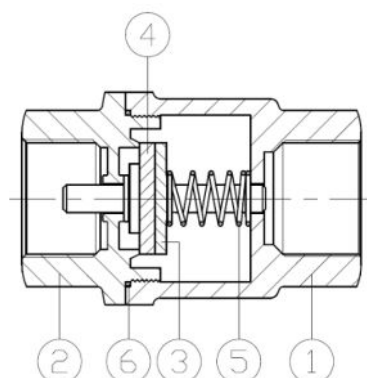
Working Temperature:- 20°C / +200°C.

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CONSTRUCTION

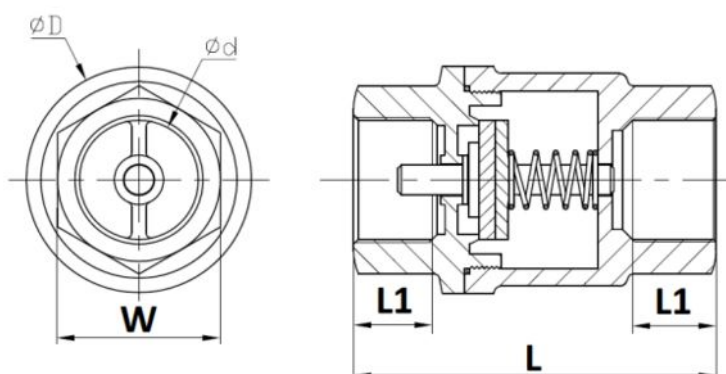
item	Part	Material
1	Body	EN 1.4408
2	Bonnet	EN 1.4408
3	Disc	EN 1.4408
4	Gasket	PTFE filled with 15% glass fiber
5	Spring	AISI 316
6	Body gasket	PTFE filled with 15% glass fiber
Id marking		CVT90-xxx.177R7 PN63



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	L1	W	Weight (Kg)
1/4"	10	34.3	58.7	12.5	22	0.18
3/8"	10	34.3	58.7	12.5	22	0.18
1/2"	15	34.3	58.7	12.5	26	0.19
3/4"	20	46	72.9	16	33	0.4
1"	25	54	88.9	20	39	0.63
1" 1/4	32	62.5	106.2	22	49	1
1" 1/2	40	73.5	126.5	22	55	1.5
2"	50	90.5	127	23	69	2.2

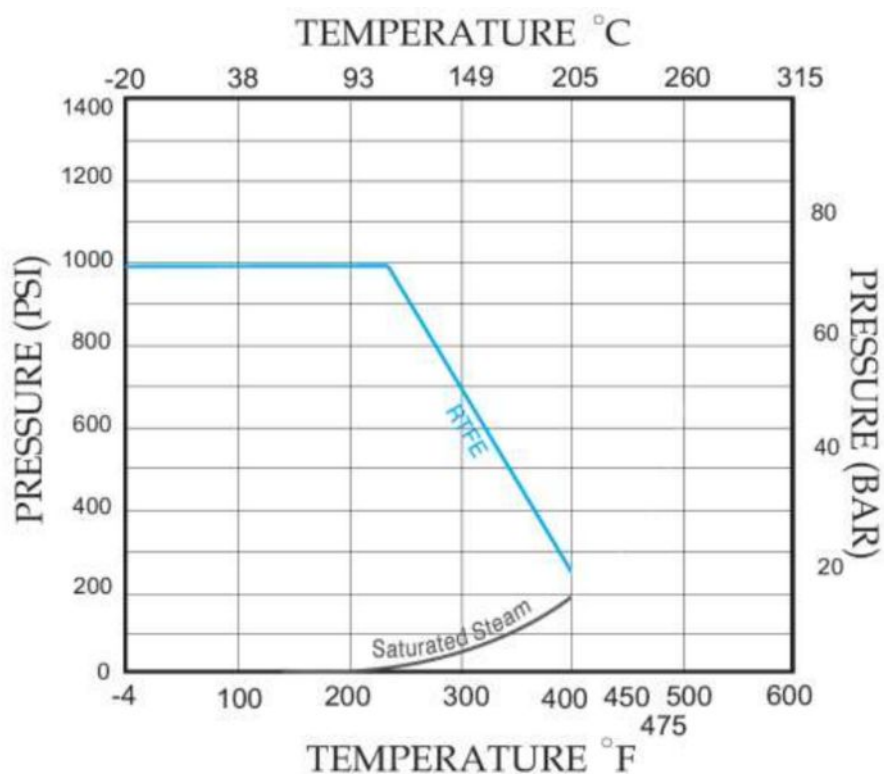
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OPENING PRESSURE (in mbar)

DN	↑	↓	→
8	20	19	20
10	20	19	20
15	21	20	21
20	21	20	21
25	22	21	22
32	23	22	24
40	24	22	24
50	25	23	25

PRESSURE / TEMPERATURE GRAPH



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FLOW COEFFICIENT Kvs (m³/h)

DN	1/4"	3/8"	1/2"	3/4"	1"	1" 1/4	1" 1/2	2"
Kvs (m3/h)	2.6	2.6	3.8	5.1	8	10.3	12.8	16

HEAD LOSS GRAPH

