

SWING CHECK VALVE CST20

Pmax: 16bar | Threaded | 1/4" – 2"

SWING CHECK VALVE FEMALE BSP



APPLICATION

Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation and water, also for liquids or gas of group 1

FEATURES

Stainless steel swing check valve female BSP metal seat, Compatible with explosive atmosphere,

GENERAL CHARACTERISTICS

Range from 1/4" – 2"

Connection threaded, female cylindrical BSP

Swing check valve non spring type

Weak head loss

Metal / metal tightness

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/EU: For liquids or Gas of Group 1:

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

- 1"1/4-2" : Risk category I, CE marking - Notified body : CE 0036

Threaded cylindrical female BSP ends according to ISO 7-1 Rp

ATEX Group II Category 2 GD c T2 Zone 1 & 21 Zone 2 & 22 (optional marking)

Certificate 3.1 on request

WORKING CONDITIONS

Maximum Working Pressure: 16 Bar

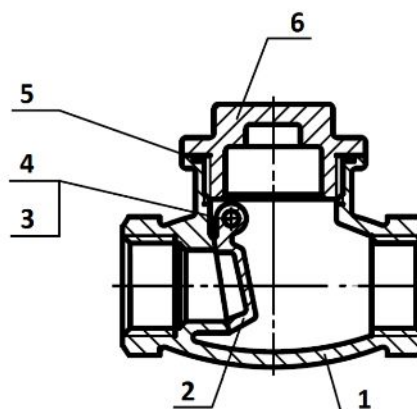
Working Temperature:- 25°C / +180°C.

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CONSTRUCTION

item	Part	Material
1	Body	ASTM A351 CF8M
2	Disc	ASTM A351 CF8M
3	Stem	AISI 316
4	Stem gasket	PTFE
5	Bonnet gasket	PTFE
6	Bonnet	ASTM A351 CF8M
Id marking		CST20-xxx.177Z7 PN16

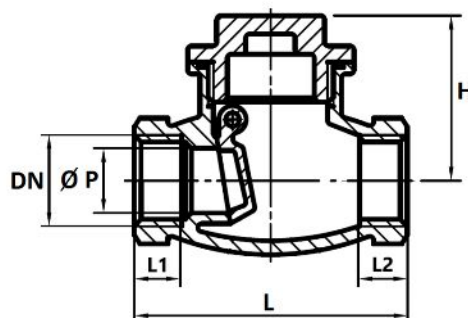


xxx – dimension type f.g. 1/2" = 015, 1 1/4" = 032

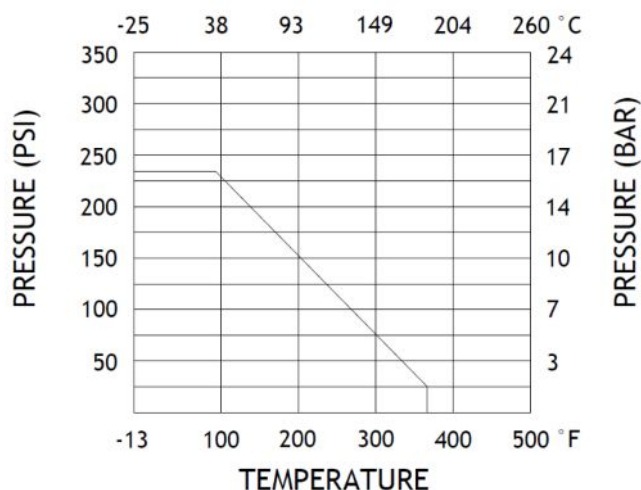
NOTE! „id marking” is not complete. In case of fully id please send the inquiry to email: info@mixflow.com.pl

Overall dimensions [mm]

Dim	Ø P	L	L1	L2	H	Weight (Kg)
1/4"	10	63	13	12.5	42	0.27
3/8"	12	63	13	12.5	42	0.26
1/2"	15	63	14	12.5	42	0.23
3/4"	20	78	16	16	46	0.35
1"	25	87	17.5	18	50	0.54
1" 1/4	32	100	18	18	54	0.81
1" 1/2	40	115	22	19	64	1.01
2"	50	135	24	20	71	1.62



PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED)



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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 (m ³ /h)	2.6	3.1	4.4	6.8	10	17	26	43

HEAD LOSS GRAPH

