

Swing check valve TYPE GR01



description:

Swing check valves allow the medium to flow just in one direction. If the flow of the medium changes the direction the check valve will close automatically.

features:

- vertical position with ascendant fluid or horizontal position
- weak head loss
- metal / metal thickness
- usable in chemical and pharmaceutical industries, petrochemical industries as well as in hydraulic installation
- ATEX

connection:
1/4" up to 2" inch

temperature:
-25°C up to +180°C

pressure:
max. 16,0 bar

design:	swing check valve
connection:	female thread BSP
body:	stainless steel 1.4408
bonnet:	stainless steel 1.4408
bonnet gasket:	PTFE
disc:	stainless steel 1.4408
stem:	stainless steel 1.4301
stem gasket:	PTFE
nominal pressure:	PN16

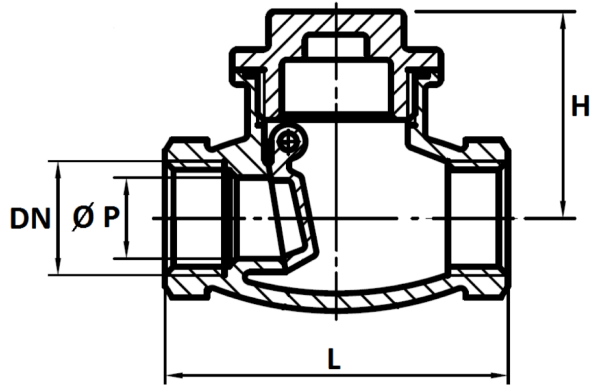
particularities:

- metal / metal thickness
- pay attention to the flow direction indicated by the arrow

standards:

- female cylindrical threaded BSP ends according to ISO 7-1 Rp
- fabrication according to ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : CE N° 0036 Risk Category III Module A2
- Pressure tests according to API 598, table 6
- ATEX Group II Category 2 GD c T2 Zone 1 & 21

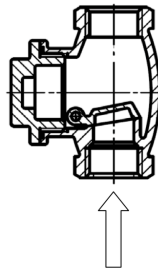
dimensions (in mm):



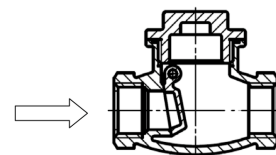
DN	Ø P	L	H	Kvs (m3/h)	weight (in kg)
1/4"	10	63	42	2,6	0.270
3/8"	12	63	42	3,1	0.264
1/2"	15	63	42	4,4	0.320
3/4"	20	78	46	6,8	0.350
1"	25	87	50	10	0.540
1 1/4"	32	100	54	17	0.810
1 1/2"	40	115	64	26	1.010
2"	50	135	71	43	1.620

installation positions:

Vertical position (ascendant fluid)



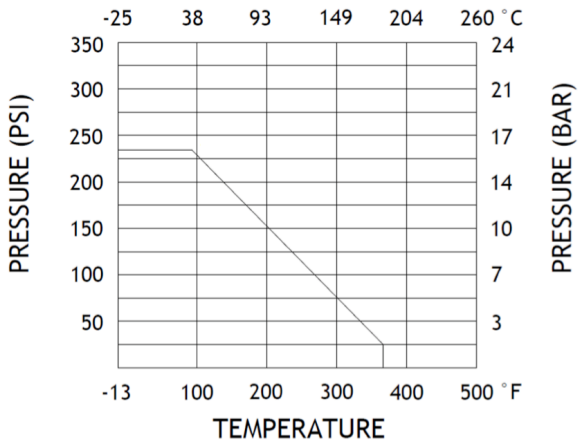
Horizontal position



Installation:

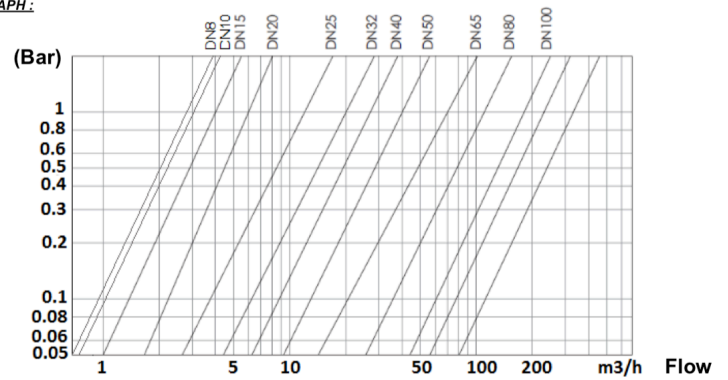
Make sure to install a minimum of 3-5 x nominal diameter of straight pipeline in front of and behind the swing check valve. Do not install the valves directly onto a pump flange. Avoid pulsation and pressure impact. Vertical throughput is allowable only if the valve can open at the top. In case of horizontal throughput, the ring screw must be at the top. Watch throughput direction (see arrow on the plate)!

pressure-temperature-graph



Head-Loss-Graph

HEAD LOSS GRAPH:



article number:

type	material	seal	size
GR01	00 – stainless steel	00 – metal	01 – 1/4" 02 – 3/8" 03 – 1/2" 04 – 3/4" 05 – 1" 06 – 1 1/4" 07 1 1/2" 08 – 2"

example no. GR01000004:

GR01	00	00	04
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article no. GR01000004

swing check valve

material: stainless steel

seal: metal

size: 3/4"

Image similar, subject change without notice.