

VACUUM BREAKER VK 70 –VK 71

MAIN CHARACTERISTICS

The vacuum breaker VK is an accessory allowing the admission of air in the pipings when the conditions of functioning gets in depression. The vacuum then created prevents the normal flow of the fluid and puts in danger the safety of the installation. The vacuum breaker is particularly recommended on steam pipes (To avoid the vacuum created during the stop of the installation and the condensation of the steam) As well as on steam heat exchangers (Passage in the vacuum during an instable thermal exchange). This device exists in brass and in stainless steel.



AVAILABLE MODELS

VK 70 : G 1/2" brass PN16

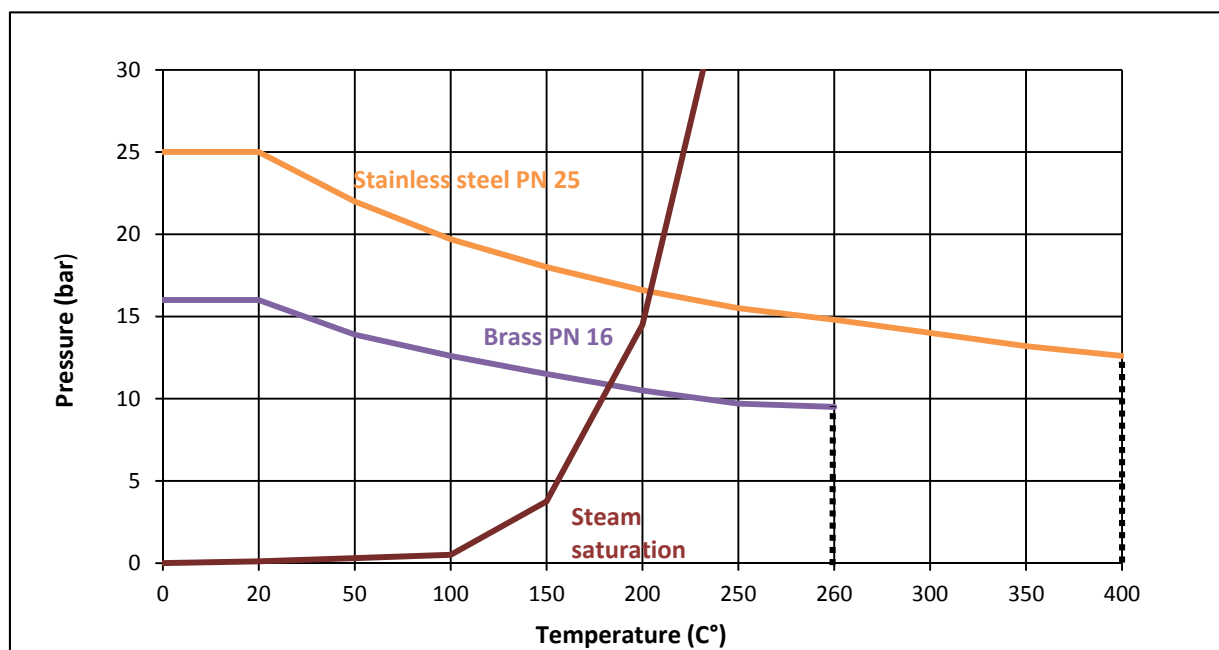
VK 71 : G 1/2" stainless steel PN25

Air intaked : G 1/8"

BSP Screwed end connections.

LIMITS OF USE

MODELS	VK 70	VK 71
Max allowed fluid pressure : PS	16 bar	25 bar
Max allowed fluids temperature TS :	+0 °C / +260 °C	+0 °C / +400 °C
Use on saturated steam	11 bar / +185 °C	16 bar / +205°C



Modifications reserved



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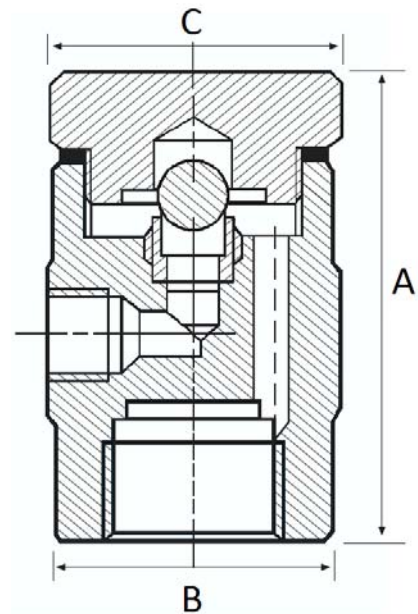
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REGULATIONS AND STANDARDS OF CONSTRUCTION

Item	Standard
Pressure equipment directive 97/23	G 1/2" : A3 § 3 excluded
Materials of brass	EN 1503-4
Materials of stainless steel	EN 1503-1
BSP theard	ISO 228

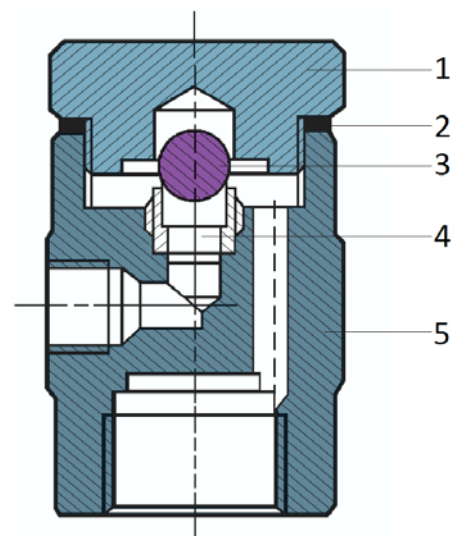
DIMENSIONS (mm) AND WEIGHT (kg)

TYPE	DN	A	B	C	Weight (Kg)
VK 70	1/2"	55	34	39	0,4
VK 71	1/2"	55	34	39	0,4




CONSTRUCTION

N°	Item	Material (VK 70)	Material (VK 71)
1	Cover	Brass CW 614N	Stainless steel 304
2	Gasket	Stainless steel 304	Stainless steel 304
3	Valve	Stainless steel 304	Stainless steel 304
4	Valve seat	Stainless steel 304	Stainless steel 304
5	Body	Brass CW 614N	Stainless steel 304

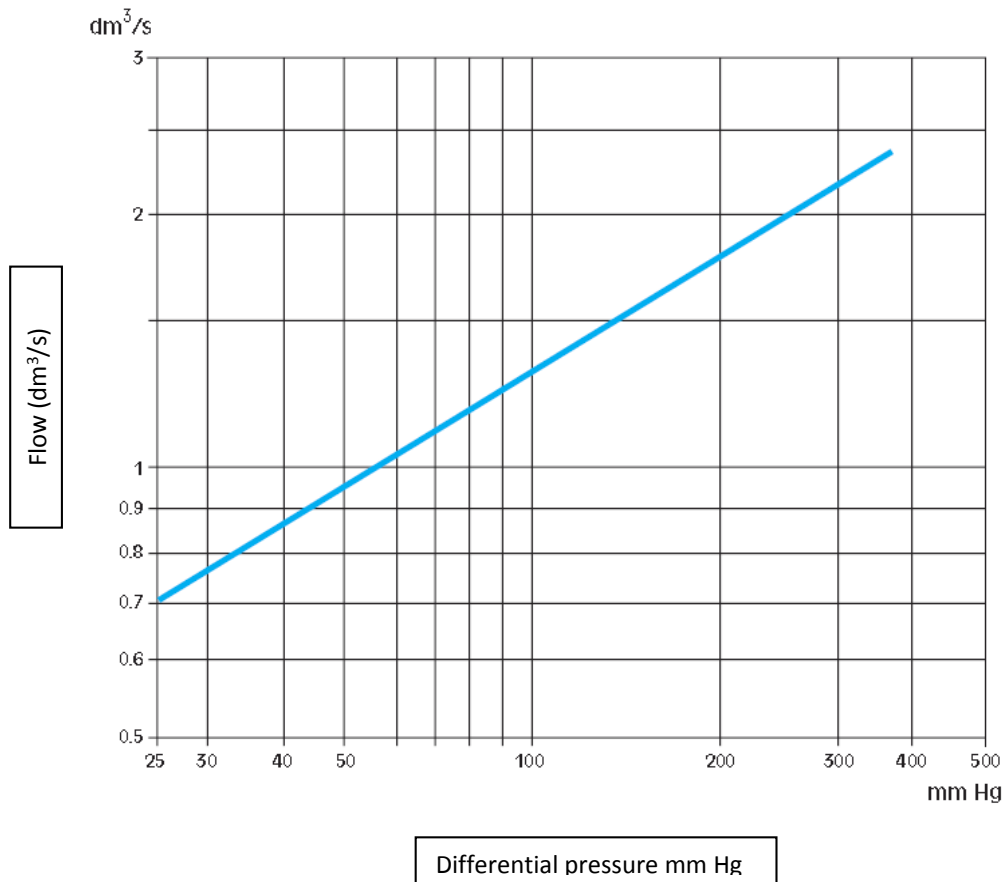


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FLOWRATE (Dm3 /s)



INSTALLATION

The vacuum breaker VK must be installed in vertical position in pricking on the piping or the device to be protected.

MOUNTING

- 1 - Before any installation, split the flow of the upstream fluid.
- 2 - Depressurize and drain away the pipe and wait for its cooling at room temperature.
- 3 - Plan a piping of pricking 1/2 " on the pipe or the tank to be equipped.
- 4 - Screw the vacuum breaker on this piping by using an adapted gasket.
- 5 - In the case of an aggressive atmosphere, the admission of air maybe deported by means of a pipe to link on the tapping 1/8 ".


MAINTENANCE

Device without maintenance.

OPTION

NPT screwed end connections.

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