

Avoiding inadvertent chlorine gas dosing

Vacuum breaker



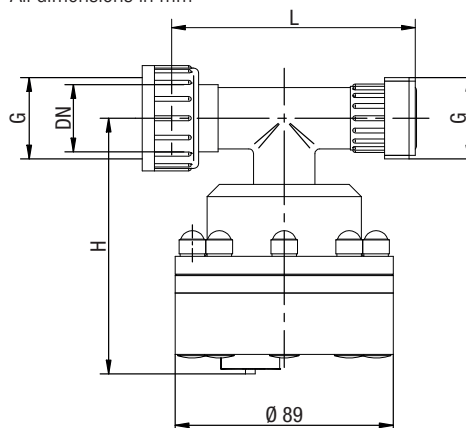
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Chlorinators working in accordance with DIN 19606 operate under a vacuum generated by an injector. The motive water required is provided either by a motive water pump or from a pressurised water pipe. The vacuum breaker is used when the system causes a negative pressure at the injector of more than 0.1 bar, even when the motive water supply is switched off. This negative pressure can be caused by a geodesic height difference to the chlorine solution introduction or a negative pressure in the main line.

The vacuum breaker is setup in the same manner as an injector non-return valve. The opening negative pressure amounts to only 0.05 bar (compared to 0.1 bar with an injector non-return valve). This causes the vacuum breaker to let air enter the pipe line before chlorine is sucked in unintentionally.

Dimensions

All dimensions in mm



Technical data

Vacuum breaker		
Max. water pressure	bar	16
Max. temperature	°C	35
Materials		PVC / FPM
Ejector connection	Ejector type A, AH, B, E	DN15
	Ejector Type BH	DN20
	Ejector type C, F	DN32
Injector vacuum	bar	0.05

Ejector type	DN	G	H	L
A, AH, B, E	15	1	102	100
BH	20	1 1/4	108	117
C, F	32	2	114	116