

Air Break 65



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Field of application

The SYR Air Break type 0065 compensates negative pressure in pipe systems and prevents backsiphonage of water into the potable water system. Backsiphonage may occur in case of vacuum in the pipe system and when the latter gets in contact with water outside of this system, for instance by means of a hose. In case of vacuum, the Air Break

allows air to enter into the potable water system. The Air Break allows air to escape from a pipe only when the pipe system is not under pressure, for instance when a new pipe is being filled. When a real air vent is required, we recommend to install the automatic air vent type 0062.

Design

The SYR Air Break is a vacuum breaker without drain of dripping water. It works with a spring-loaded valve. The water pressure closes the ventilation valve, which obstructs the air inlet port. In case of negative pressure, the spring force opens the valve seat and clears the air inlet port, which prevents

backsiphonage of non potable water into the installation. The compression fittings allow an easy connection to the installation. The colour of the valve cap facilitates the distinction between cold and hot water applications: red for hot water and green for cold water.

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Materials

Housing and union made of high quality, low-lead brass alloy. Remaining components made of ageing and hot water resistant synthetic materials, ap-

proved by the German Health Office (KTW) for use with potable water.

Installation

Install in ascending pipes. It is recommended to mount the Air Break at the highest vertical point of a pipe distribution system within each floor. It is important that no stop valve can isolate the

part of the pipe in which the vacuum breaker is installed. Mount the device above the highest possible water level with a minimum distance of 150 mm to the branch pipe.

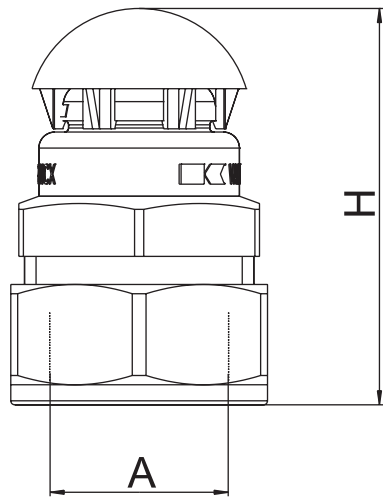
Technical data

Inlet pressure:	max. 16 bar
Connection size:	compression fittings 15 and 22 mm
Fluid:	water
Operating Temperature:	max. 60 °C
Serial-Nr.:	0065...

Maintenance

To inspect the device, isolate the water supply at the first upstream isolating valve. If the water left in the piping can still be drained, the device works. When impurities have accumulated in the device, disassemble the valve and clean it with clear water.

The integral check valve cannot be removed for safety reasons. When impurities adhering to the sealing elements cannot be removed or in case of damaged sealing elements, it is recommended to exchange the Air Break.



Nominal size	Compression fitting		
	A (mm)	15	22
Dimensions	H (mm)	46.3	147.5

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Components / Order numbers

- ①
Cap
- ②
Body
- ③
Check valve
- ④
Fitting (15 or 22 mm)

