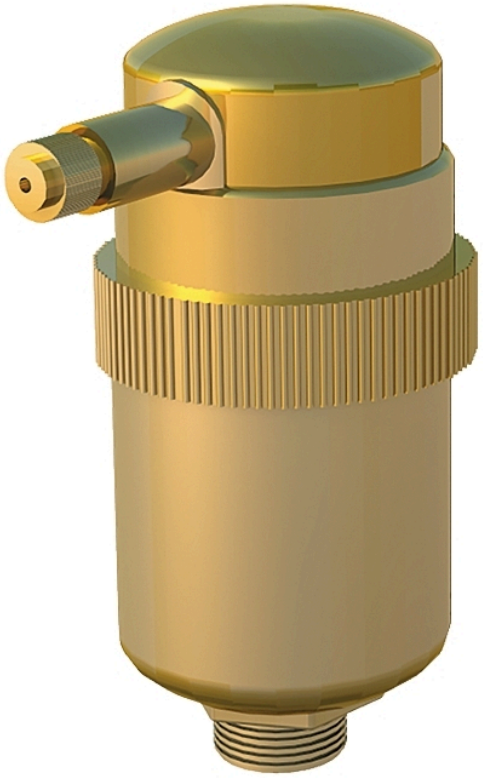
# Air separator AT 8050B



resideo

# Product information

Automatic air vent with dirt-protected mechanism.

| | |
|---|---|
| **Dimension range (DN)** | 10 - 15 |
| **PN** | 10 |
| **Temperature (°C)** | 0 - 150 |
| **Main material** | Brass |

## Area of use

For automatic air separation of heating and cooling systems where the fluid is water. Can be mounted in systems with a mix of water/glycol, if control and oversight is increased. The valve should not be used in systems with a mix of water/salts. Can also be used i sun heating systems with an operational temperature up 150 °C.

## Tender text

**PSF.1412 Automatic air deflectors.**
Automatic air separator AT 8050B... in brass, PN10, 150 °C with dirt protection. Provided with a shut-off valve AT 3640-...

## Quality assurance

AFS 2023:5, 8 paragraf
Should not be CE-marked.
**Product marking:** The valve is marked with dimension, max. operation pressure, max operation temperature, article number and the name of the manufacturer.

## Energy and environment declaration

**Product Bvb:** Avoided
**Product BVB ID:** 49017
**SundaHus:** C-
**Subject to notification under REACH**
**Reach date:** 9/23/2024 11:58:00 AM

| Item number | SCIP number |
|---|---|
| 8050B10 | ad4abb52-3fcb-4ceb-ba6c-8e0a371a8cad |
| 8050B15 | 06626202-46a6-4b87-b5c3-afe09c6478fe |

| Pos | Component | Material |
|---|---|---|

## Measurements and weight

**Dimension range (DN):** 10 - 15

## Function and design

When airbubbles flows in to the float chamber the fluid level is decreased and the float sinks. When the float, which is connected to the separation mechanism through a downlink, has reached a certain level, a gap between seat and pin in the is formed in the separation valve. This makes it so that the air can flow out freely. When the float rises, caused by the water level rising again, the mechanism will close.

The separation valve's outer part has an external thread on which a cap is mounted. It has a soft seal that makes it so that the automatic separation can be shut off, when the cap is turned clockwise. The cap, which has slotted holes, must therefore be twisted two turns from closed position, for the automatic air separation to work.

## Technical data

**Main material:** Brass
**Main material code:** Brass (CuZn39Pb3) (CW614N) (2.0401), Brass (CuZn40Pb2) (CW617N) (2.0402)
**Included materials:** Brass
**Included material code:** Brass (CuZn39Pb3) (CW614N) (2.0401), Brass (CuZn40Pb2) (CW617N) (2.0402)
**Temperature (°C):** 0 - 150
**PN:** 10
**Connection:** External thread ISO 228-1 (G, BSPP)
**ETIM classification:** EC010117 - De-aerator (automatic)
**BK04 code:** 20710 Automatic valves
**Comment to colour:** Brass untreated

## Installation and maintenance

Mounted on high points or in other places where free air can be found. For correct function the separator should be mounted vertically with the connection downward. Note, during installation, that this must be reachable for control and cleaning. To really guarantee accessibility a ball valve like AT 3640 should be mounted before the separator as a shut off valve. During operational problems this valve can be closed and the air separator can be dissassembled, cleaned, and reassembled without interfering with the rest of the facility.

For a secure operation and function the separator should be regularly controlled. With the recommended shut-off valve 3640 before the separator this will be done easily, without creating disturbances in the other parts of the system. Even if the automatic separator is of the highest quality, it's not possible to 100% guarantee a completely problem-free operation. The problem is usually caused by contaminations in the system or cooling. No spare parts is available. If operational problems occur, despite cleaning, the entire air separator needs to be replaced.

The company's management system
is certified by DNV
ISO 9001 • ISO 14001

# Get into the flow

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