



## O & M document for Auto. Air Valve type Tubra-Fix

Product: Automatisk air separator type Tubra – Fix.  
Manufacturer: Gebr. Tuxhorn GmbH & Co K.G.  
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Quality: Astec AS works by guidelines of the Quality System ISO 9002

### Product Description.

Application: For automatic air separation of the heating and cooling systems

Product Description: Automatic air separator valve type Tubra-Fix, is made of brass with a float valve in polypropylene. The automatic air separator valve has built-in check valve to prevent intake of air at any pressure.  
Connection with 3 / 8 "external thread

Astec AS always delivers with a 3 / 8 "ball valve for mounting between the automatic air separator valve and pipe socket.

Media: Water, water w / glycol mixture

Pressure and temp.: Max. Working pressure 10 bar  
Max. Working temperature + 120 ° C

Function: When the valve body is about half filled with the fluid will float in its upper position and the automatic air separator valve remains closed. When the air is separated in the piping system or for example in a micro bubble separator this rise through the automatic air separator valve and lie down on top. Eventually it will collect as much air in the float will be pressed (the fall) down. The arm that hangs in the float drops down and opens the automatic air separator valve. Because of the pressure in the air is squeezed out. When air is evacuated exceeds the float up in the top position and the automatic air separator valve rods.

If the system get a under pressure is the automatic air separator valve equipped with built-in check valve to prevent intake of air.



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- Installation:** The automatic air separator valve type Tubra-Fix should always be mounted vertically, and the automatic air separator valve is where air can collect. Always install the supplied ball valve first, make sure it is closed. Then unscrew the automatic air separator valve in place. Open the shutoff valve and the system is in operation.
- Disassembly:** Turn off the shutoff valve between the automatic air separator valve and pipe socket and then screw the automatic air separator valve out. If the glycol in the system shall be treated as hazardous waste. Drain the bag out, and remove the automatic air separator valve type Tubra-Fix. Remember we are working with water (hot) under pressure

### HSE. (Health, Safety and Environment).

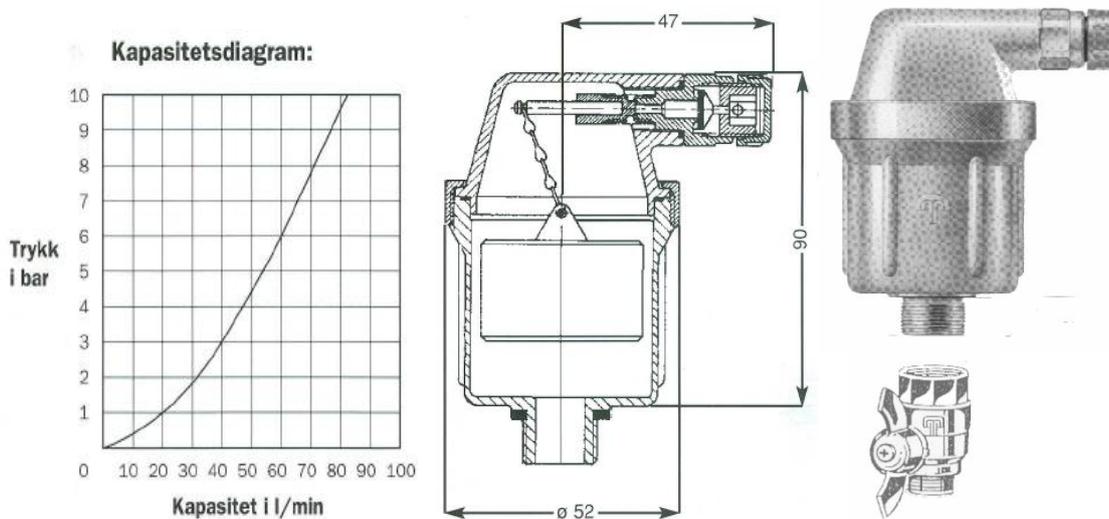
- Fire Hazard:** There is no fire hazard of the product
- Health:** There are no health by prescribed use of the product
- Environment:** The surrounding environment can not be damaged by proper installation and indicated use of the product

### Operation and Maintenance.

- Operation:** By visual inspection of the pipe network to check that the the automatic air separator valve not subjected to external loads that can damage or prevent the automatic air separator valve function.
- Services:** The removal of the automatic air separator valve or by pressure testing of the system, the ball valve between the air separator valve and the pipe is closed. The float chamber can be cleaned by loosening the cap nut and lifting the top lid of the valve. Be careful that the float does not charge to control the arm to the valve.  
The automatic air separator valve opened by turning off / loosen the orange plastic cap.  
The valve seat can be screwed out gently with a 6 mm Allen key. Make sure the rubber washer (valve) put in place after cleaning.
- If a part is defective, the entire cylinder head with valve and float  
Must be replaced
- Maintenance:** Astec 's automatic air separator valve type Tubra-Fix is normal maintenance.

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### Technical data, dimensions



#### Technical data:

NRF number: 856 71 13

Connection: R 3 / 8 °

Material: Brass

Working pressure: Max 10 bar.

Temperature: Max 120 °C

Media: Water, Water with non-aggressive glycol interference

Comes with ball-valve.