



**TECHNICAL FEATURES**

Body:	Brass
Float:	Polypropylene
Filter cartridge:	PA6
O-Ring:	EPDM-P
Max. working pressure:	150 psi (10 bar)
Temperature range:	32°F (0°C) to 230°F (110°C)
Connections:	NPT female-female
Connection on the bottom:	1/2" NPT female
Compatible media:	Water and glycole (max. 50%)

**DEAERATOR ART.2250  
INSTALLATION INSTRUCTIONS**

VF348 Edizione N°1: 04/03/2020



**WARNING: Not for potable use!**

For non-potable water application, not for plumbing systems - Only for heating and cooling systems.

**WARNING: READ THE INSTRUCTIONS MANUAL BEFORE INSTALLATION**

Before installation it is necessary to read the instructions and the labels on the product and on the packaging. Installation must be performed by qualified personnel who knows standards, local law and regulations.

**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**NOTICE:** When connecting the pipes, make sure that the threaded parts to the deaerator are not excessively stressed, because they could cause breakages with consequent water leaks. This could cause harm to people or things.

**NOTICE:** Make sure that all connections are sealed, as high temperature water can cause damage to people or things.

**NOTICE:** If the deaerator is not correctly installed and maintained according to the instructions, it may not operate properly and cause damage to the property and/or the people.

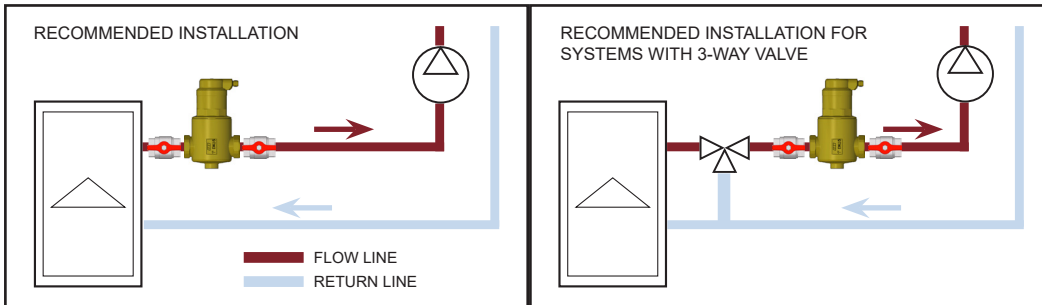
**FUNCTION**

The deaerator contains a patented filter cartridge specially designed to remove entrained air bubbles in the heating and cooling systems. The air rises to the top of the deaerator body and is then expelled through an automatic air vent.

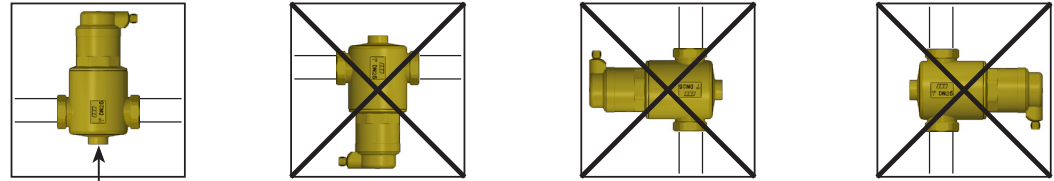
**INSTALLATION**

For heating systems, it is recommended that the deaerator be installed where water temperature is highest, on the flow line just after the boiler. Upstream / downstream shut-off valves should be provided for maintenance.

**WARNING:** For cooling systems the deaerator should be installed on the return line.



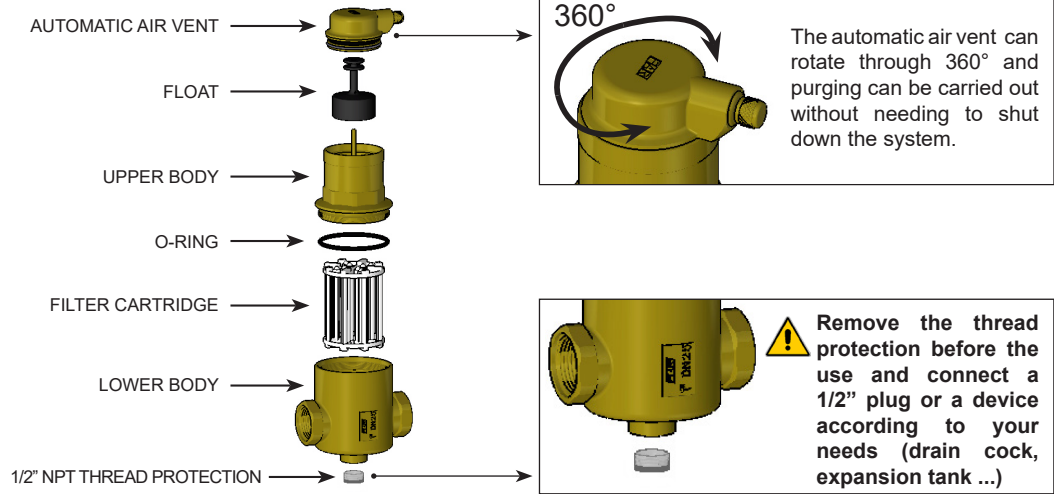
**WARNING:** For proper operation the deaerator should always be installed in a vertical position on a horizontal pipeline.



A 1/2" NPT-threaded connection is provided at the bottom of the deaerator.

**WARNING:** The inner plastic thread protection is not a closing plug!

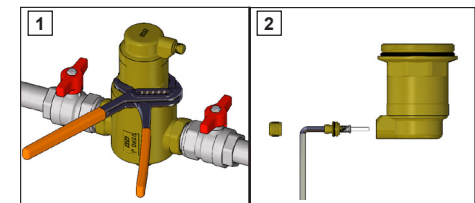
**CONSTRUCTION FEATURES**



**MAINTENANCE PROCEDURE**

Close the shut-off valves on either side of the deaerator, unscrew the upper body using an adjustable wrench (Pic.1) and take out the cartridge. Clean the cartridge and return to its position and replace the upper body. In case of leakages from the automatic air vent, remove the cap and Allen screw. The air vent can then be cleaned or replaced, if necessary.

**WARNING:** On re-assembly, make sure that the stem fits correctly to the float. Turn the upper body upside-down so that the air vent discharge is horizontal (Pic.2), then replace the Allen screw. The upper body can then be repositioned.



**RECOMMENDED FLOW RATES**

DN	3/4"	1"	1"1/4	1"1/2	2"
Q [m³/h]	1.6	2.5	4.1	6.3	9.0
Q [gpm]	7	11	18	27.5	39.6

**LEAVE THIS INSTRUCTION BOOKLET FOR THE USER**