



SpiroVent

by Spirotech

What are the benefits?

- Removes all circulating air and microbubbles
- Removes trapped air when installed at the correct location
- Reduces the need for manual venting
- Constant low pressure drop
- No unnecessary shutdown
- Connection diameters from ¾" to DN 800
- A complete range, suitable for various pressures and temperatures

SpiroVent deaerator

SpiroVent* microbubble deaerators are installed inline and continuously remove free air and microbubbles from the system fluid. A SpiroVent deaerator should always be installed at the hottest point within a system. In the case of a heating system, for example, this is the point where the water exits the boiler. In the case of a cooling system, it is in the return before the chiller unit. When installed in the correct location a SpiroVent has the capability to deaerate the entire system as it can make the water absorptive to remaining air in the system.

Why use a deaerator?

Today's highly energy-efficient heating and cooling systems offer optimal performance with air-free system water. Automatic air vents and bleeding valves cannot remove microbubbles or circulating air. Venting devices on boilers and other devices will not remove air that is present elsewhere in the system. Furthermore, presence of air is the major cause of dirt formation corrosion and related negative effects on efficiency, failure sensitivity and wear and tear.

How it works

The SpiroVent is a fully universal deaerator that works non-stop to effectively remove circulating air and microbubbles from system water. Inside the SpiroVent is the Spirotube separation element, which ensures that microbubbles are separated from the water flow, allowing them to rise up to the air chamber. The specially constructed air chamber provides sufficient volume to absorb pressure fluctuations and prevents valve contamination. This is one of the main causes of leaks. Thanks to the special construction and the solid valve seat, the leak-proof air release valve opens, releases the air and always closes perfectly. This avoids unwanted entry of air from outside the system.

*(*Other brands are available and we may choose an alternatives based on the installation requirements)*