

SPIROTOP®



SPIROTOP® | AUTOMATIC AIR VENTS
FOR HEATING, COOLING
AND PROCESS SYSTEMS



SPIRO  **TECH**
FOR BETTER PERFORMANCE

DOMESTIC | COMMERCIAL | INDUSTRY



Top quality should be at the highest points as well

Air and other gases collect at the highest point within a system. However, a system will often have several highest points. Trapped air can obstruct the flow at these points or even stop it altogether. If gases are not removed, or are not removed sufficiently, it can lead to commissioning problems, frequent manual venting, deteriorating pump performance and so on. Eventually, this will cause damage to expensive system components and lead to system and process malfunctions or even total failure, things which can be avoided if tackled individually but which need to be followed up immediately.



Standard design

SpiroTop automatic air vents are designed to remove free air and trapped air bubbles quickly and effectively. If a system has to be drained, the SpiroTop ensures fast and reliable venting.

The SpiroTop is the reliable and worry-free solution ideal for:

- filling and venting systems;
- making and keeping the high points in pipe systems air-free;
- preventing air pockets from forming.



High-pressure/high-temperature design

Benefits of SpiroTop

The combination of the characteristics listed below ensures that the automatic SpiroTop will not leak during its very long life:

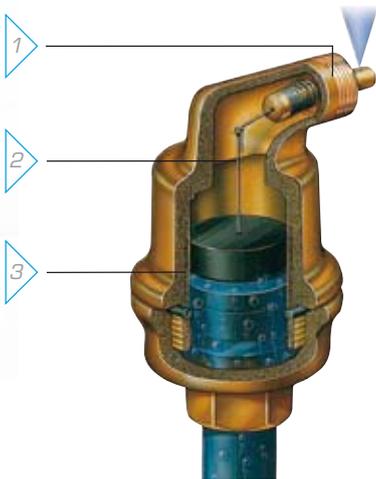
- The special valve construction means that the valve closes completely.
- The special valve seat has a very long life expectancy.
- The robust floats are made of solid plastic so cannot rupture.
- The significant gap between the valve and the water (at least 40 mm) prevents valve contamination which is one of the main causes of leaks.
- The 1/2" connection prevents the pipette effect.
- A complete range, suitable for various pressures and temperatures.
- Three-year guarantee.



Stainless steel design

Total solutions

Spirotech offers an extensive range of total solutions for HVAC and process systems: accessories, additives and advice to ensure optimum efficiency and guarantee the quality of the system fluid. These products and services reduce faults, wear and maintenance as well as improve system performance and lower energy consumption. And what is more, these total solutions provide major benefits and save time during the design, installation, start-up and commissioning of systems.

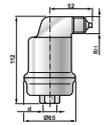


1. The automatic air vent is guaranteed not to leak and cannot be closed. The SpiroTop comes with a thread for connecting a vent pipe as standard.
2. Specially constructed air chamber prevents floating dirt from reaching the valve and provides sufficient volume to absorb pressure fluctuations.
3. The solid construction guarantees a very long life.

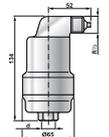
The SpiroTop should be mounted at the highest point of the system and at any points where air pockets may occur. The SpiroTop is to be installed vertically with the connection at the bottom.

| Type | d | Material | Float material | Max. operating pressure | Max. temperature | Article number |
|--------------------|------|----------|----------------|-------------------------|------------------|----------------|
| SpiroTop | G½ | Brass | PP | 10 bar | 110°C | AB050 |
| SpiroTop HT | G½ | Brass | TPX | 10 bar | 180°C | AB050/002 |
| SpiroTop HT | G½ | Brass | AISI 316 | 10 bar | 180°C | AB050/007 |
| SpiroTop Solar | G½ | Brass | TPX | 10 bar | 180°C | AB050/008 |
| SpiroTop HT/HP | G½ | Brass | TPX | 25 bar | 150°C | AB050/025 |
| SpiroTop HP | G½ | Brass | PP | 16 bar | 110°C | AB050/030 |
| SpiroTop HT | NPT½ | AISI 316 | TPX | 10 bar | 200°C | AB050/AR002 |
| SpiroTop HT SST | G½ | AISI 316 | TPX | 10 bar | 180°C | AB050/R002 |
| SpiroTop HT/HP SST | G½ | AISI 316 | TPX | 25 bar | 200°C | AB050/R004 |
| SpiroTop HT SST | G½ | AISI 316 | AISI 316 | 10 bar | 180°C | AB050/R007 |

Other materials, pressures and temperatures are available on request.



10 bar



16 and 25 bar

For a completely air-free system, you need to install SpiroVent deaerators or vacuum degassers as well as SpiroTop air vents.

SpiroTop air vents are suitable for water and water/glycol mixtures (max. 50%). They can be used in combination with locally approved chemical additives and inhibitors that are compatible with the materials applied within the system. Not suitable for drinking water installations.

The standard SpiroTop is suitable for a temperature range of 0 to 110 °C and for an operating pressure of 0 to 10 bar. The SpiroTop housing is made of brass. The connection is a ½" female thread. Other materials, pressures and temperatures are available on request.



Custom-made solutions and OEM applications

Spirotech offers not only standard products. If necessary, we work with customers to produce custom-made solutions. These are based on users' specific requirements. If desired, these can also be supplied as OEM products.

Solar applications

Spirotech also offers an extensive range of air vents and deaerators for solar applications.

Digital support

Product data sheets, standard specification texts, line drawings, CAD symbols, project descriptions, etc. are available via our website.

Separate literature is available which contains detailed product information. You can also find this information on our website.



Spirotech: accessories, additives and advice

Spirotech designs and produces innovative total solutions for conditioning fluids in HVAC and process systems. Our products and services reduce faults and wear, less maintenance is required, performance is improved and energy consumption is reduced.

Spirotech is deservedly regarded as the only real specialist in the world. Leading manufacturers of system components recommend Spirotech products on account of their high standard of quality and the company's vision on product development and process improvement.

Thanks to a very extensive international network of suppliers, users all over the world enjoy the benefits of our products and services every day.

Spirotech is a Spiro Enterprises company.



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