Vacuum degassing and pressurisation solutions for heating, cooling and process systems

Correct pressure throughout the system

Minimised chemical treatment

Maximised efficiency of all system components

Air levels reduced to absolute minimum

Reduced operating costs

Best used in combination with SpiroVent Superior

Reduction of malfunction and downtime

maximising performance
SpiroPress enables automatic pressure monitoring and control and provides degassed make up water. Adding a pressurisation solution to our established degassing products makes it possible to provide a total, integrated system care solution.

Today’s highly energy-efficient heating and cooling systems offer optimal performance with air-free water. Most issues within HVAC systems are closely related to air being introduced into the system as a result of pressurisation issues. A poorly designed, installed or maintained pressurisation system can lead to negative pressures around the circuit. Air is drawn in through automatic air vents, gaskets and microleaks and water may be emitted through pressure relief valves, leading to frequent refilling. The introduction of oxygen through leaks or by refilling with undegassed, mostly hard water also makes corrosion inhibitors significantly less effective.

**HYDRONIC STABILITY**

Hydronics - the use of fluid as the heat-transfer medium in heating and cooling systems - is a dynamic process. Hydronic stability means the fluid can transfer heat or cold at any location in the system, at any given time. Pressurisation is a key factor in hydronic stability.

**SPIROPRESS FILL**

- Primarily for use in smaller systems with relatively low pressures and volumes.
- The SpiroPress Fill range offers the choice of a simple mechanical auto-fill unit or a wall-hung pumped fill unit.

**SPIROPRESS CONTROL**

- For use in systems generally up to (but not limited to) 300 m³.
- The SpiroPress Control range offers a choice of 4 units to cover the pressure range from 1 bar to 16 bar.
- All units are used to provide both full vacuum degassing of the system water and essentially all make-up water is also degassed prior to entry into the system offering substantial long-term protection of the system.

**SPIROPRESS MULTICONTROL**

- For use in systems generally with large volumes and pressures and also if space is limited and traditional fixed gas cushion type vessels are difficult to accommodate.
- The SpiroPress MultiControl range offers a multitude of units to cover all system volumes and pressures up to 16 bar.
- Special units are also available upon request for systems operating at higher pressures.

**FULL RANGE OF SOLUTIONS**

SpiroPress covers a full range of solutions, from the most basic setup to the most extended, complicated system. All units are used to provide both full vacuum degassing of the system water. Make-up water is degassed prior to system entry, offering substantial long-term protection. Not just for the commissioning phase, but for the entire lifetime of the system. SpiroPress can dramatically increase performance and avoid premature failure of major system components.

[www.spirotech.com](http://www.spirotech.com)