



CompAir delivers flow on demand with launch of energy-efficient L11-18 VS range

CompAir has extended its portfolio of variable speed compressors with the launch of seven new models, to offer a comprehensive range of energy efficient rotary screw machines from 11kW to 250kW.

Energy-efficiency has been considered at every stage of the design of the new L11VS to L18VS range to ensure that the machines can meet the wide variation in air demand necessary in modern processes. Each compressor features a variable speed drive that helps to minimise energy use, as the unit produces the right volume of air required by the factory network at all times.

A compressor with a greater range of volume output is generally more cost efficient to operate as the machine will automatically adjust, or 'turndown' its flow rate to the most economic level. Therefore, each machine in the new range is engineered to offer excellent performance, with a volume flow turndown that is considered to be up to 17% greater than other comparable compressors.

With a compressor that has a limited flow range, the machine will typically go in to off load mode when it reaches its minimum flow. This is both inefficient and costly as the compressor continues to run, thereby consuming energy, with no output. In addition, the motor will be forced to stop and restart, putting additional wear on components and increasing overall cost of ownership through increased maintenance and energy consumption.

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In contrast, CompAir's L11 VS machine for example, can continue running at as little as 10% flow at 7 bar pressure, for maximum flexibility of operation and greater control over air usage.

The range is available in two frame sizes with a low noise level from 65-70 dB(A). This allows the compressor to be sited at the point of use, saving time and cost as there is no need to house the unit in a separate room or install additional pipework.

Each unit is supplied with the AirSmart controller. This provides an easy-to-read plain text display and simple controls that enable users to monitor important compressor parameters and carry out diagnostic checks such as oil life expectancy and energy usage.

CompAir also offers a wide range of optional extras, allowing users to tailor the compressor installation to suit requirements. These can include a built-in dryer, which does not increase the overall package dimensions. With the dew point controlled by AirSmart, this removes the need for a separate dryer control system, to save installation cost.

Other options include an electronic condensate drain, an air receiver sized to match the compressor dimensions and a communications module. This can control up to eight variable-speed compressors simultaneously and set the operating point at the most energy efficient load.

Every compressor in the range is supplied with CompAir's Assure extended warranty. This warranty is based on the number of operating hours rather than a standard yearly-based approach and is provided free of charge up to 24,000 hours with each new machine, with the option to extend the cover to 44,000 hours.

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