



Atlas Copco

A complete solution for food grade compressed air

SF+ oil-free scroll compressor

For food and beverage producers, clean air is essential to ensure product safety and compliance with regulations. Using food grade compressed air equipment that meets ISO 8573-1:2010 Class 0 standards is the best way to achieve this.

Whether it's cleaning, packaging, or processing, maintaining consistent air quality is crucial. A versatile "oil-free" scroll air compressor is the perfect solution.

In this leaflet, discover how a compact scroll compressor can meet all your needs with efficiency and reliability.

Key of uses in food & beverage

- Cleaning and drying
- Processing and production
- Sterilization and freshness
- Packaging and sealing

A versatile scroll air compressor solution

Scroll compressors are ideal for food-grade compressed air as they operate without oil, eliminating contamination risks. Their unique design ensures no friction, with one scroll rotating around a stationary one to compress air efficiently. Using an oil-free compressor is also the only way to meet ISO 8573-1:2010 Class 0 standards for air purity.

- **Compact & Quiet:**
 - Space-saving design with integrated refrigerant or desiccant dryer
 - Operates at noise levels as low as 52 dB(A) for improved working conditions
- **High Efficiency:**
 - Equipped with IE3 motor for optimal performance
 - Variable Flow Technology (larger models) adjusts operation based on demand, reducing energy waste
 - Elektronikon® Touch controller for intuitive operation
- **Reliable & Smart**
 - **SMARTLINK** remote monitoring ensures smooth operation and easy maintenance
 - Available in various sizes to meet your production needs

Perfect for Food & Beverage Applications

The SF+ series delivers clean, oil-free air with advanced control and monitoring, making it a reliable and energy-efficient solution for food and beverage production.



Piston vs scroll compressor

While small oil-free piston compressors are available, they tend to consume more energy. This is due to their simple design which needs to be completely stopped regularly for a cool down period. Piston machines can also be louder to operate. Despite the lower investment cost of piston equipment, you'll likely save on total cost of ownership with a scroll machine.

Of course, what machine you decide to use is up to your setup and requirements. That said, our SF+ range is capable of meeting all the applications listed above. In addition, its compact design fits most facilities.



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