

High-end air treatment

Proper filtration and drying aligned with system requirements and ambient conditions reduce impurities and humidity in the air systems. Sperre delivers customized packages for all compressed air solutions needed onboard the vessel, or on the plant.

Certified solutions.

The solutions obtain all purity classes according to ISO 8573-1:2010 – for both low and high pressure systems.

Why air quality is so important.

In a compressed air system there are several functions and processes that consumes compressed air. The quality of your compressed air is crucial for the performance of your solution.

“

It’s like the difference between breathing on a dusty construction site, and in the middle of a healthy forest”

— Ole Nustad, CEO Sperre

Refrigerant dryers

Refrigerant air dryers are designed to efficiently separate water from compressed air systems with pressure dew points rated at +3, +5, +7 & +10 °C in accordance to ISO8573-1. Condensed water is separated from the main compressed air stream which enables efficient and reliable operation, fast installation and simple maintenance.

In addition to this, we also deliver a wide range of cyclone separators and air filters for removal of solid particles, water and oil aerosols according to ISO8573-1. Through our expertise, we calculate dryer and filtration sizes according to your scope.



Adsorption dryers

Heatless regenerated adsorption dryers are designed for continuous separation of water vapour from compressed air thus reducing the dew point rated at -25, -40 & -70 °C (Max 16 bar) and -25, -40 & -55 °C (Max 50 bar) in accordance with ISO standards.

The adsorption dryer consists of two columns, filled with desiccant and designed to operate alternately. Adsorption takes place under pressure in the first column while the second column regenerates.

In addition to this, we also deliver a wide range of cyclone separators and air filters for removal of solid particles, water and oil aerosols in accordance with ISO8573-1.



Filters

Incorrect filtrations will impact conditions such as corrosion, piping system, pneumatic performance, valves and regulators. Ensuring proper filtration and drying will have a significant impact on your maintenance costs.

Our filtration systems are aligned with system requirements and ambient conditions, resulting in reduced impurities and humidity in the air system. We deliver filters to obtain all purity classes according to ISO 8573-1:2010 for both low and high pressure systems.



Air receivers

We supply air receivers according to standard drawings, in sizes from 30 to 3000 litres and with working pressure ranging from 7 to 30 bar. Choose between horizontal and vertical configurations, or manufactured to your specifications.

