

Efficient, effective technology

Warm, saturated compressed air enters an air to air heat exchanger where it is cooled by cold, dry compressed air passing by in the opposite direction. The temperature of this partially cooled air is finally reduced to the required pressure dew point on entering the refrigerant/air heat exchanger. The resulting condensate is separated by a service-free water separator WET-X, and expelled with no loss of compressed air via an electronic condensate drain.

Operational security well into the 21st century

Compressed air must be dry

Compressed air is one of the most important sources of energy within industry today. Insufficient treatment of this air leads to the build-up of aggressive condensate, which not only causes havoc in pipework and pressure vessels but can lead to expensive downtime and paralysis of production processes.

Eliminate the problem.

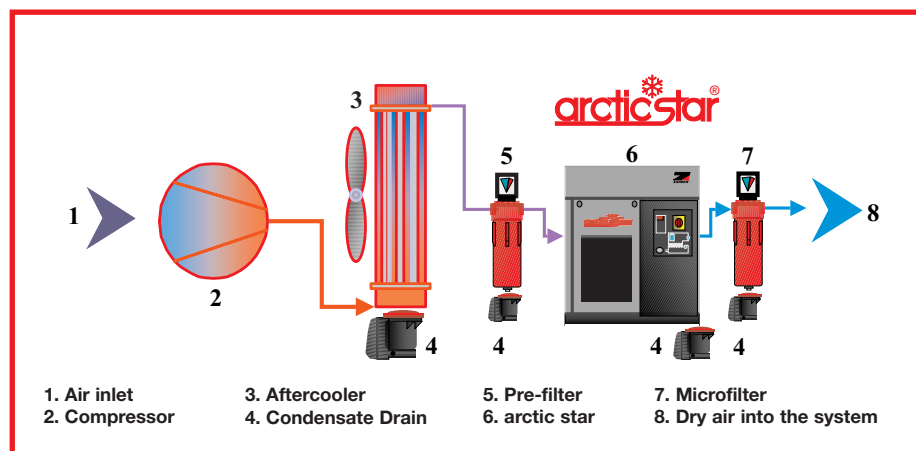
The new *arctic star* refrigeration dryer range treats compressed

air efficiently, meeting the user needs and eliminating the problems associated with wet, untreated air in compressed air systems.

Compressed air systems in the 21st century will have to measure up to the ever increasing demands for better quality and more efficiently produced products. When fitted with ZANDER high-performance filtration, the *arctic star* represents a performance package capable of meeting and surpassing these demands.



Micro-processor from model AS 0660 controls with integrated alarm function



An arctic-star is born !

Our latest refrigeration dryer generation draws on many years of experience, representing a well thought-out and proven concept, with particular emphasis being placed on environmental issues, a compact design, low running costs and operational safety.

User benefits

- Constant pressure dew point of + 3°C for guaranteed compressed air quality.
- Capillary injection for maximum operational security
- Compact full-size heat exchanger. Copes with overload conditions.
- Integrated WET-X Condensate separator, designed to cope even with overload created by compressor separator failure.
- Scroll-Refrigerant compressor - reduced power consumption. No crankcase heater required, so instant start up from model AS 0660.
- Modern Full-Size heat exchanger design results in a lower pressure differential-saving energy input.
- Compact design - Small footprint enables ease of installation and full use of the available floor-space being up to 30 % smaller and lighter.
- Tailor made guarantee packages.
- Environmentally friendly *arctic star* dryers only utilise recognised environmentally friendly refrigerants. R 407 c as standard, available worldwide.
- Reduced refrigerant requirement - up to 65 % less refrigerant requirement. Our contribution to environmental protection!
- Cycle Control - ensures that the dryer never freezes, maintaining constant operational security.



You can rely on our experience !

With the introduction of the *arctic star* range we are building on 35 years of experience in compressed air treatment. This fact, coupled with our strict adherence to quality assurance issues, underlined by ISO 9001, is a pre-requisite for remaining at the forefront of innovative product technology.

We constantly endeavour to provide you, the customer, with the best advice and service to guarantee the most efficient and effective operation of our products.

The new *arctic star* range incorporates the most up-to-date technology and efficient use of materials. Its modular design and use of well-proven proprietary components ensure long service life and world-wide availability. Thanks to the unique design of the heat exchanger, the dryers are not considered to be pressure vessels.

Economical Drying

Low operating costs, modern design and up to 65 % less refrigerant, are surely enough reason to consider the *arctic star* refrigeration dryer range when making a decision on your next dryer purchase requirement!

26 models with flow rates from 25 m³/h (15cfm) to 5.400 m³/h (3.178 cfm) covers the majority of compressor installations. The *arctic star* dryers are part of a complete product range of refrigerant air dryers. We can supply larger sizes and dryers to work at pressures up to 45 bar.