



> EFFICIENCY
AND ECONOMY
COMBINED>

ANTARES

High efficiency tandem
technology refrigeration
and adsorption dryer



> COMPRESSED AIR TREATMENT
REDEFINED>



ENGINEERING YOUR SUCCESS.

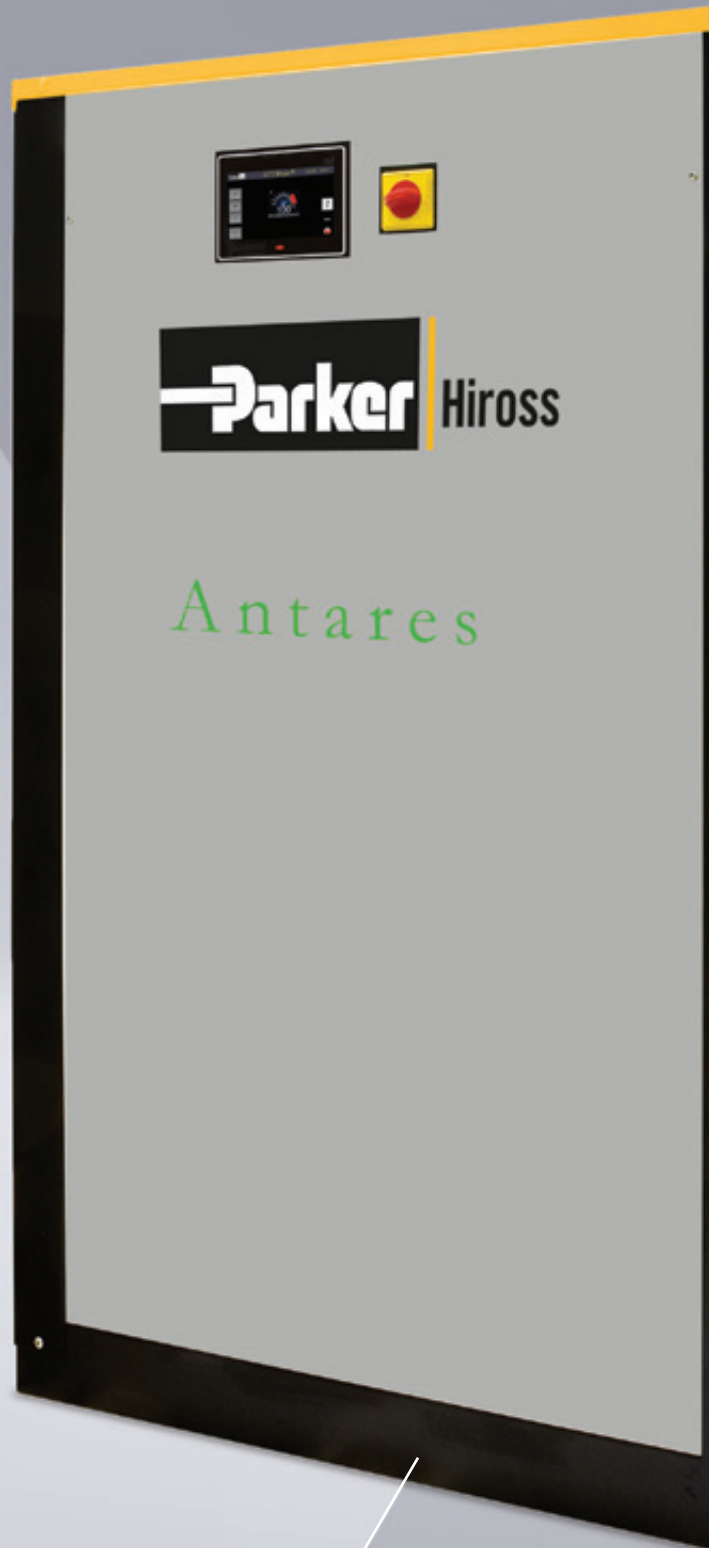
> FLEXIBILITY AND PROFITABILITY COMBINED >

Highly efficient and highly effective, the Parker Hiross Antares hybrid dryer integrates the principles of refrigeration and adsorption into a single compact compressed air treatment package for a more flexible, low maintenance, economic drying solution.

The Antares series offers an innovative family of compressed air hybrid dryers from 2.5 to 34m³/min with optional add-ons enabling each system to be tailored to specific operational requirements. Combined with low energy consumption, this unique adaptability allows Antares tandem technology to deliver a cost-effective solution across a wide range of industrial and processing applications – from food and beverage to pharmaceuticals, to material forming and handling.

High quality air, low lifetime cost

Backed by Parker engineering excellence, you can trust Antares hybrid dryers to efficiently and consistently deliver high quality compressed air. Compared to non-hybrid drying solutions, tandem technology operates at a lower lifetime cost to customers; with superior energy efficiency, high flexibility and low maintenance requirements allowing a return on investment in less than 2 years.



Parker | Hiross

**FOCUSED ON
REFRIGERATION
AND COOLING**



High efficiency

Parker Hiross Antares series dryers have been engineered to optimise energy efficiency, with less purge air consumption, less overall power consumption and stable outlet pressure dewpoints. This unique combination of refrigeration and adsorption techniques delivers a reduction in energy consumption of up to 60% compared with traditional heatless desiccant dryers, resulting in approximately 15% more clean, dry air downstream.



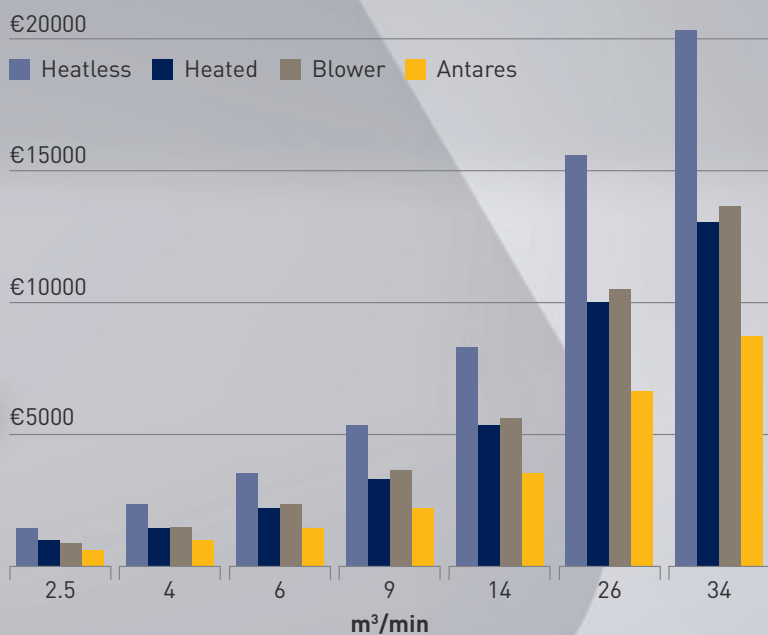
High flexibility to meet changing needs

Energy saving technology (EST) is incorporated into every Antares dryer, ensuring efficient delivery of high quality air, even at low consumption levels. With the addition of an optional by-pass feature, Antares series dryers are fully equipped to meet seasonal demands, easily adjusting to changes in dewpoint requirements.

Low maintenance

Parker Hiross Antares hybrid dryers have been engineered for lower maintenance, longer operational life and reduced downtime. Less desiccant is required to fill the compact desiccant vessels, making refill less costly; and a longer desiccant lifetime means extended service intervals, reduced maintenance costs and increased operational uptime.

Annual energy operating cost



Data assumes nominal conditions, 6000 operating hours per year, 0.12€/kWh utility rate, compressor generation efficiency of 5.5 kW/m³/min.

ACCURACY AND RELIABILITY COMBINED

1 Energy saving technology (EST)

A standard feature on all models, it automatically adapts dryer operation to the ambient inlet conditions and compressed air demand, ensuring optimum energy consumption and full utilisation of the desiccant material.

2 ISO12500 validated pre and post filters

Three integrated high performance filters ensure high process safety; located prior to the refrigeration circuit, and pre and post adsorption stage.

3 Integral condensate drain

Ensuring higher system efficiency as no compressed air is wasted. Integral timed condensate drain as standard on models ATT025-090; integral electronic capacitive condensate drain as standard on models ATT140-340 (external capacitive drain available as optional upgrade for models ATT025-090).



Parker Hiross

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OPTIONAL EXTRAS

4 By-pass for seasonal operation (Models ATT060-340)

Enabling the Antares to save additional energy by meeting dewpoints above zero in summer using only the fridge section, and below zero in winter using the tandem configuration.

5 7" colour touchscreen display (Models ATT140-340)

Keeping you fully informed and in control of dryer operations and regeneration phases.

6 Ambient temperature probe (Models ATT060-340)

For accurate dewpoint suppression and/or automatic activation of seasonal by-pass.

7 ModBus communication interface

Providing optimum system reliability and ease of use.



› CONFIDENCE AND AFFORDABILITY COMBINED ›

Antares tandem technology gives you maximum control over your compressed air treatment system at a lower total cost of ownership than traditional heatless desiccant dryers. It's an efficient and effective combination of refrigeration and adsorption, so you can be confident of delivering quality air with economy – improving the productivity and profitability of your business.

High efficiency

Offering up to 60% less energy consumption than traditional heatless desiccant dryers, resulting in approximately 15% more clean, dry air downstream.

High flexibility

The dewpoint is easily adjustable between 3°C and -70°C with no physical changes to the dryer.

Low maintenance

With extended service intervals, reduced maintenance costs and increased uptime.





› WHAT NEXT?

Discover how Parker's Antares tandem technology could enhance your productivity and efficiency.

Visit parker.com/antares

› COMPRESSED AIR TREATMENT
REDEFINED ›

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