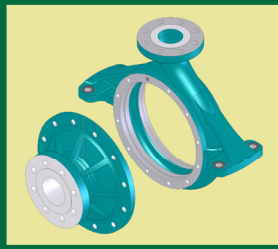




# Amarinth



The powerful new force in pumping

**PRESS INFORMATION - FOR IMMEDIATE RELEASE – 3<sup>rd</sup> April 2006**

## **Amarinth launch innovative variable speed technology CRUs which deliver a significant saving in system operating costs**

**Amarinth, a UK company specialising in the design, application and manufacture of pumps and pumping systems has announced a new range of variable speed technology condensate recovery units that deliver significant savings in the running costs of steam heating and process systems.**

Marketed as Ci-Nergy, this new range of condensate recovery units (CRUs) uses variable speed technology to deal automatically with varying levels of condensate arriving in the tank. The speed control acts as a soft start system allowing the pump to be started more frequently than fixed speed pumps. The result is that the accumulated condensate and its associated latent heat are returned back into the system much more rapidly than by using traditional fixed speed pumps with float controls. The returning condensate can be up to 10 deg C hotter, which results in savings on re-heating costs of up to £10,000 per annum.

Significant reductions of up to 75% in electricity costs are achieved by running the pump as slow as 10 Hz. The savings are exponential (often referred to as the cubed law) and so by utilising variable speed technology, the Ci-Nergy operates anywhere between 10 and 50 Hz to automatically match the level of condensate arriving in the tank. This delivers typical electricity savings of a further £1,000+ per annum per unit.

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In most cases the overall payback on the new units is between 6 and 9 months, making them an extremely cost effective upgrade to existing units.

Amarinth worked with steam specialist Spriax Sarco on the specification of the new Ci-Nergy unit. The design brief was very demanding:

- better performance and greater reliability than the competition but at a price that was competitive;
- variable speed technology;
- stainless steel tanks;
- small foot print; and
- a significantly rationalised range.

In just 18 months Amarith designed and brought the Ci-Nergy range into production. The new design concept was one of plug and play. Using just two tank and pump sizes with eight motors to handle condensate of between 500 and 35,000 kg/hour, the old range of 59 products was rationalised to just eight units.

Despite the much higher specification, by reducing the number of components the price of the new unit is less than the old one. Using Amarith's e-commerce web-based ordering system, customers can also receive delivery of a new unit in 2 weeks and spare parts within 24 hours.

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### OPTIONAL PANEL or BOX ITEMS



The new Ci-Nergy variable speed technology Condensate Recovery Unit

## **NOTES TO EDITORS:**

Founded in 2002, Amarith has harnessed the skills, creativity and passion of people who have worked in the pump industry for many years. Amarith delivers world-leading expertise in the design, application and manufacture of pumps and associated equipment to create innovative solutions that help organisations operate more efficiently and effectively.

Amarinth designs and manufactures centrifugal pumps and ancillary equipment to ISO, ANSI & API standards primarily for the industrial, chemical & petrochemical markets. Working with their customers and specialist partners, the company also designs total pumping solutions and packaged systems that can include receivers and interceptor vessels, condensate recovery units, filtration modules, instrumentation and control, valves and pipe work. Many Amarith pumps are directly interchangeable with those from the Girdlestone range, eliminating the need for expensive modifications when replacements are required.

Using state-of-the-art e-commerce technologies, Amarith delivers 24/7 support. Customers can place orders on-line through the internet and then track every stage of manufacture through to delivery, any time, anywhere in the world.

The company operates globally from its base in Rendlesham Suffolk, United Kingdom and has a customer base of world-leading companies, including BP, Shell, ExxonMobil, GlaxoSmithKline, Pfizer, Spirax Sarco, Diageo, AMEC, and Halliburton.

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