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Amarinth expands range of API 610 OH3 & OH5 and ISO 5199 vertical inline pumps

Amarinth, a leading company specialising in the design, application and manufacture of centrifugal pumps and associated equipment to the Oil & Gas, petrochemical, LNG, chemical, industrial, power and desalination markets, has expanded its range of API 610 OH3 & OH5 and ISO 5199 vertical inline overhung single stage centrifugal pumps for use across the oil & gas industry, process and industrial duties.

Amarinth has expanded its range of single stage vertical inline overhung single stage centrifugal pumps in API 610 11th edition OH3 and OH5 standards for use in the oil and gas industry, and in ISO 5199 standard for process and industrial duties. All pumps are available in a wide variety of materials from carbon steel to exotic alloys, including NACE compliant materials, to suit any requirement and duty. Additionally, pumps can be supplied as close coupled or long coupled. Both API 610 and ISO 5199 pumps are designed to comply with ATEX specifications and furthermore will shortly conform to the new IECEx certification for centrifugal pumps as soon as the relevant audits can be conducted, which have been delayed due to the Covid-19 pandemic.

The vertical inline pumps utilise the same proven hydraulics as Amarith's horizontal pumps that are used on many of the world's most demanding pump projects. Advanced computer techniques, including 3D modelling, Finite Element Analysis and Computation Fluid Dynamics, were used to ensure the high reliability and maintainability that Amarith centrifugal pumps are renowned for.

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All pumps feature a back pull-out with metal to metal fits. API 610 OH3 and OH5 pumps are designed for 30 years (3 years uninterrupted operation) life and ISO 5199 pumps for 20 years (2 years uninterrupted operation) life.

- The Amarith F Series is a range of API 610 OH3 long coupled pumps and the Amarith G Series is a range of API 610 OH5 close coupled pumps. Both the F and G Series pumps have a standard design pressure rating of 20 bar g at 20C.
- The Amarith I Series is a range of API 610 OH3 long coupled pumps and the Amarith J Series is a range of API 610 OH5 close coupled pumps. Both the I and J Series pumps have a standard design pressure rating of 51.8 bar g at 38C.
- Finally, the Amarith K-Series comprises of ISO 5199 vertical inline close and long coupled pumps with a standard design pressure rating of 20 bar g at 20C.

Standard documentation, testing and NDT packs are offered with all API 610 and ISO 5199 vertical inline pumps.

In addition to the standard vertical inline ranges of pumps, Amarith will also design bespoke packages which can be tailored to fit exact requirements, including self-priming, increased pressure rating, mounting and drive options.

Oliver Brigginsshaw, Managing Director of Amarith, commented: “We are delighted to round out our range of vertical inline pumps for both the oil and gas markets and process and industrial use. Through our years of experience, the skill of our engineering team, and the use of modern design technologies, we are able to offer cost-effective reliable and easily maintained pumps in a broad range of materials and options on short lead times meeting the needs of our demanding customers looking for vertical inline pumps, whether in a standard or bespoke package.”

OPTIONAL PANEL or BOX ITEMS



Amarinth API 610 OH3 long coupled pump

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 centrifugal pumps and associated equipment to ISO, ANSI & API standards, primarily for the Oil & Gas, petrochemical, LNG, chemical, industrial, power and desalination markets. The company's portfolio includes:

- **Pumps:** Horizontal and vertical API 610 pumps, chemical and industrial pumps, many of which are interchangeable with the Girdlestone pump ranges, eliminating the need for expensive modifications when replacements are required.
- **Pressure Vessels:** Protect System Plan 52 and 53A and 53B sealant systems with inbuilt condition monitoring for pumps and mixers that are suitable for Safe area up to Zone I.
- **Spares & Service:** High quality, fast lead time re-engineered spare parts to improve performance and extend pump life, including many which are directly interchangeable with the Girdlestone pump ranges.
- **Packages & Modules:** Condensate Recovery Units manufactured for Spirax Sarco incorporating the innovative Ci-Nergy intelligent variable speed control system, plus bespoke packages & skids built to order.
- **Business Systems:** state-of-the-art e-commerce technologies that deliver 24/7 support enabling customers to select pumps and place orders on-line 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, Fluor and Halliburton.

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