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

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Amarinth API 610 OH3 long coupled pump. (Image source: Amarinth)

Amarinth has expanded its range of API 610 OH3 and OH5 and ISO 5199 vertical inline overhung single stage centrifugal pumps for use across the oil and gas industry, 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 Amarinth'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 Amarinth centrifugal pumps are renowned for.

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

- The Amarinth F Series is a range of API 610 OH3 long coupled pumps and the Amarinth 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 Amarinth I Series is a range of API 610 OH3 long coupled pumps and the Amarinth 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 Amarinth 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.

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

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