

Application story



ORC Systems

Location	France	Hydra-Cell model	G10XKBEHFECC / G25IKBEHFECC
Type of application	ORC Systems	Flow rate	G10 Up to 30 l/min (8 gpm) / G25 Up to 76 l/min (20 gpm)
Liquid	HFC	Pressure	8 - 20 bar (116 - 290 psi)
Application details	Established in 2009, The Enogia Company based in Marseille, France develops, produces, and maintains ORC skids and turbines from 5kWe to 100kWe. The Organic Rankine cycle (ORC) is named for its use of an organic, high molecular mass fluid with a liquid-vapor phase change, or boiling point, occurring at a lower temperature than the water-steam phase change. The fluid allows Rankine cycle heat recovery from lower temperature sources such as biomass combustion, industrial waste heat, geothermal heat, solar ponds etc. Hydra-Cell G10 & G25 pumps have been extensively tested by Enogia, however the major reason for choosing these pumps is the small footprint that they offer. With its unique seal-less design, the Hydra-cell pumps are used for recirculation of HFC liquid in a thermodynamic system.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell pumps offer the smallest foot print when compared to other.		

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