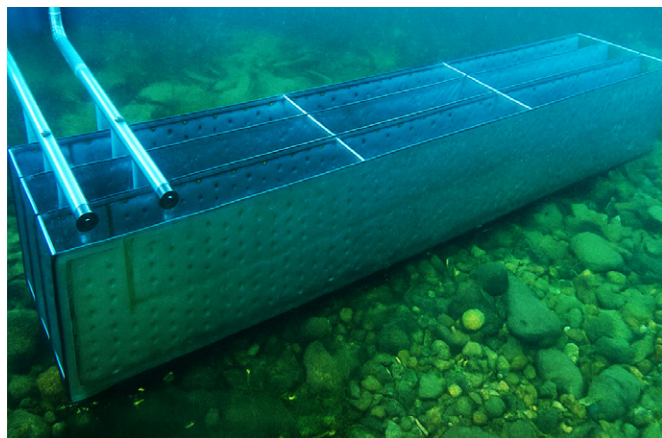


Energy Blade

Fabdec Group's Energy Blades use the natural thermal energy in lakes, rivers, and ponds, working with ground source heat pumps to provide an efficient renewable heat source year-round. By drawing from this abundant freshwater energy, the system delivers consistent heating while cutting reliance on fossil fuels.

Installation is simple: units can stand on a solid base or be hidden under jetties, landing stages, or bridges, with pipework discreetly landscaped. This lowers energy costs and emissions while giving businesses, communities, and organisations a clean, reliable, and future-proof way to meet climate goals.



Key Features:

- Renewable - harnesses natural freshwater energy
- Efficient - lowers energy costs and carbon use
- Flexible - commercial, industrial & community use
- Reliable - durable stainless steel design
- Customisable - tailored plate size & configuration

Heat Transfer Performance	
Water Conditions	Heat Transfer
Standing	8kW
Typical	15kW
Fast Flowing	20kW

Standard Specification:

- Plate configuration: 4 pillow plates
- Plate dimensions: 3,000mm x 500mm x 800mm

Alternative sizes and material grade available, ensuring every installation is designed to meet specific site conditions and performance requirements.

Technical Specifications	
Air vent fittings	3/8" Female BSP
Approx array volume	35 litres
Array height	604mm
Array width	785mm
Blade size	3,000mm x 492mm
Empty weight	85kg
Manifold fittings	1 1/2" Male BSP
Material	Stainless steel 304-2B
Nominal flow rate	1.2 litres/second
Pressure loss at design flow	25kPa (25% propylene glycol)

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