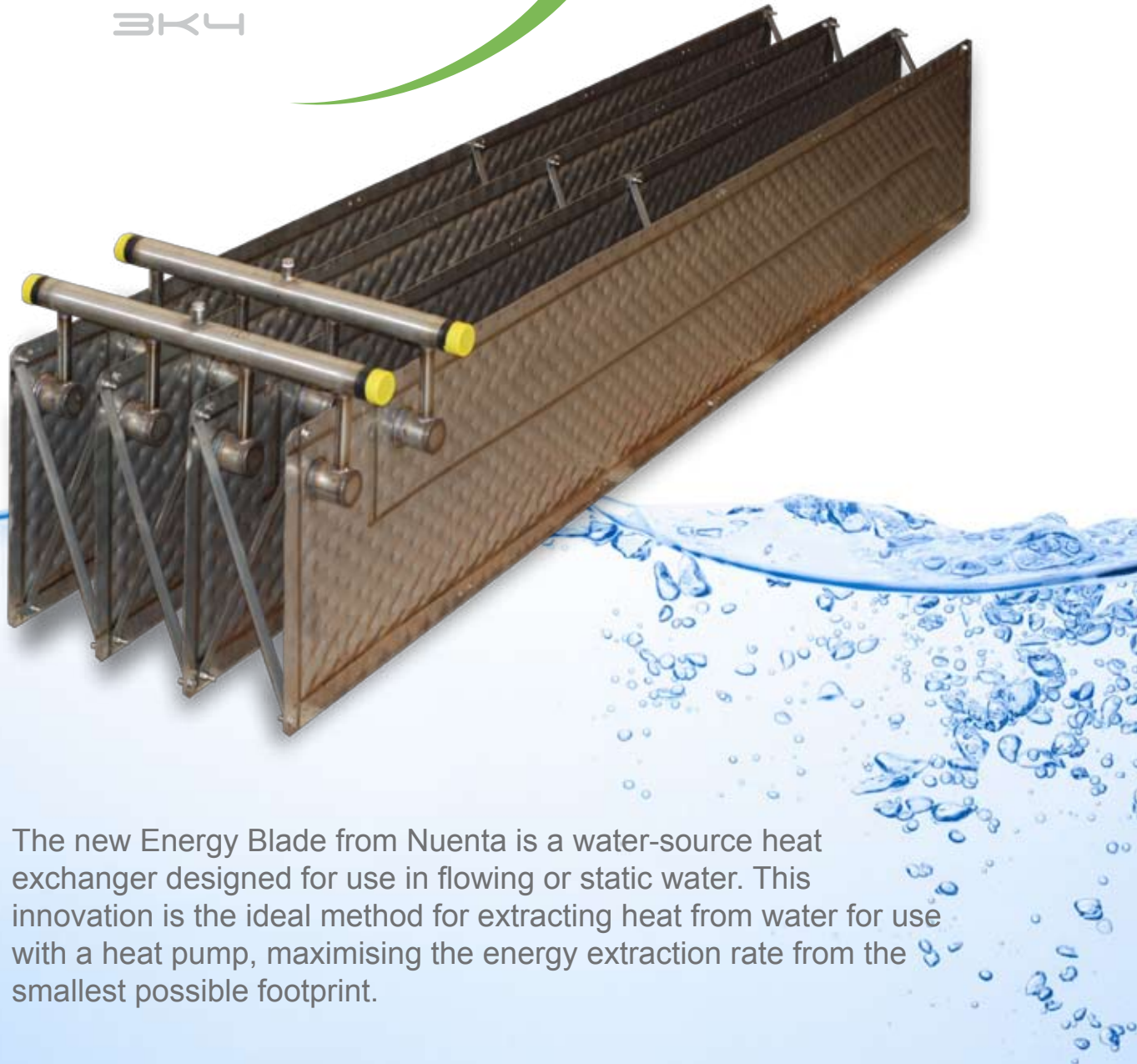


# ENERGY BLADE

BK4



The new Energy Blade from Nuenta is a water-source heat exchanger designed for use in flowing or static water. This innovation is the ideal method for extracting heat from water for use with a heat pump, maximising the energy extraction rate from the smallest possible footprint.

## Features

Blades are made up in a pre-assembled bank of four plates with an integral manifold

Each blade is approximately 3000mm x 500mm

The size of the four blade set is approximately 3000mm x 500mm x 800mm

Multiple banks of four can be connected to provide increased capacities

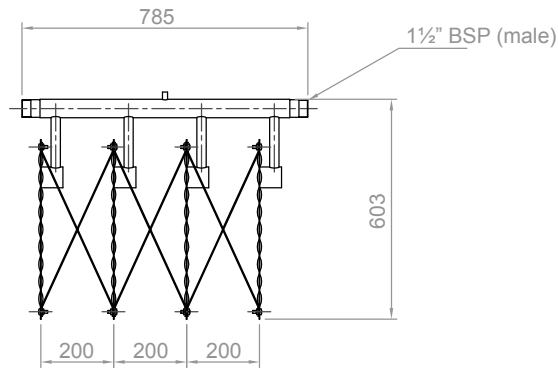
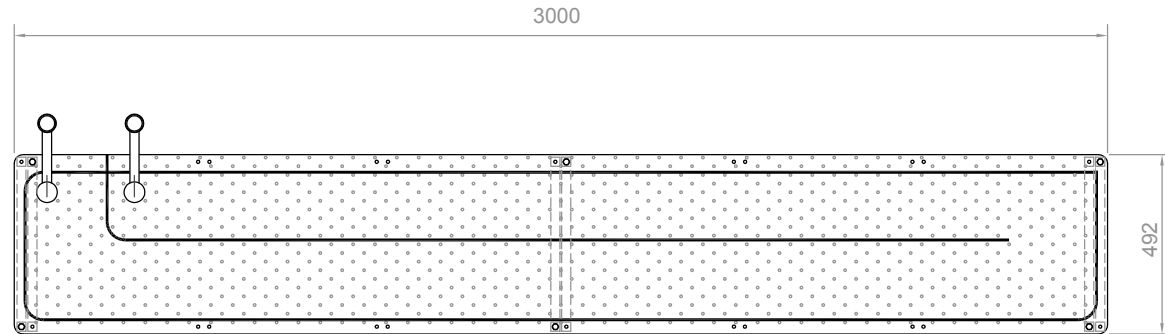
The liquid content in each Blade is approximately 5l. With the manifolds included, the volume of each bank of four Blades is approximately 35l (9l of concentrated glycol)

Energy Blades, and all components in the banks of four blades, are manufactured in ST/STL 304-2B stainless steel

Energy Blades can be compared to the more traditional submerged coiled MDPE “slinky” collectors. Slinkies are not suitable for use in running water and contain more glycol than an equivalent array of Energy Blades

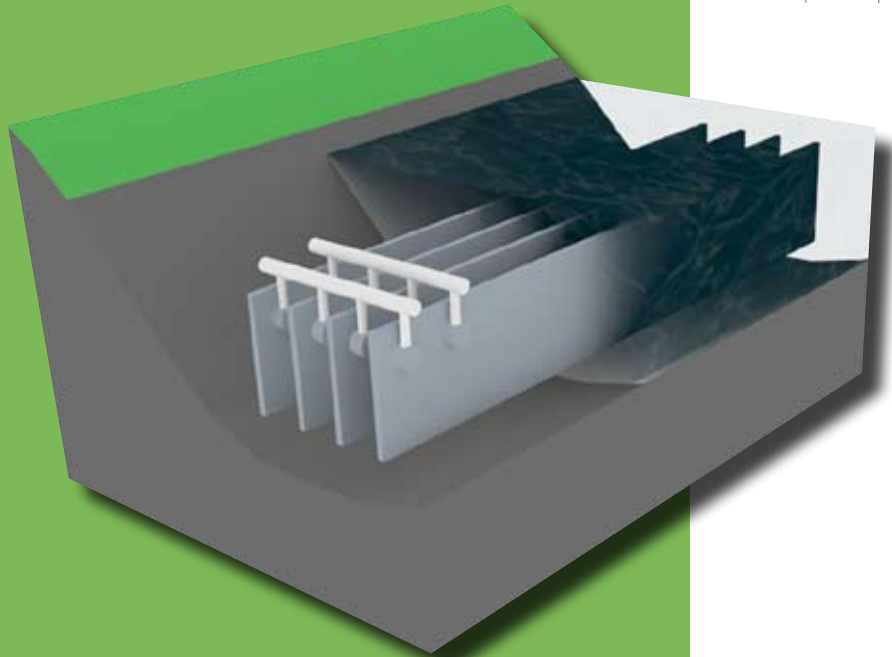
## Specification

Item	Specification
Blade size	3000mm x 492mm
Array width	785 mm
Approximate array volume	35 l
Array Height	604 mm
Manifold fittings	1 1/2" Male BSP
Air vent fittings	3/8" Female BSP
Material	Stainless steel 304-2B
Empty weight	85 kg (approx.)
Nominal flow rate	1.2 l/s
Pressure loss at design flow	25kPa (25% propylene glycol)



## Heat transfer to glycol

Water conditions	Heat transfer
Standing	8kW
Typical	15kW
Fast flowing	20kW



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