

EnergoAqua Eco

Water Supplied Radiant Heating



Use the **EnergoAqua Eco** radiant panels for a trouble and maintenance free heating system, offering minimal running costs and an even and comfortable indoor climate. The **EnergoAqua Eco** is a highly developed product, designed to be economical, safe and comfortable.

EnergoAqua Eco is ideal for use in manufacturing facilities, warehouses, sport and tennis halls or similar applications and is equally suitable for new-builds and refurbishments.

How does it work?

A water supplied radiant heating system emits a gentle low temperature radiant heat to surfaces and objects in a room. These surfaces, in turn, heats the surrounding air and create a draft-free and comfortable room climate.

With radiant heating, you also get a higher operating temperature, which makes it possible to lower the air temperature in the room and thus also the total energy consumption. Energy savings of up to 20-25% are not uncommon.

The ceiling mount frees valuable floor and wall spaces, while the heating system is protected from contact and damages. An excellent choice for industrial halls, warehouses, workshops and also tennis and sports halls etc.

Composition and Function

EnergAqua Eco, **EAE**, consists of four parts: the reflective plate, water carrying pipes, insulation and connection/header pipe. CE marked and manufactured in accordance with EN 14037.

The panel compromises of a special profile 0.6 mm metal sheet pressed into the optimal shape, 40 mm thick mineral wool topped with aluminium foil and ½" or ¾" steel pipes. Maximum working pressure 6 Bar.

The surface plate encapsulates the steel pipes maximising the contact surface leading to a highly efficient radiant panel.

The warm water which circulates through the pipes conducts heat to the surface plate, warming the underside of the panel. The increased temperature of the panel enables radiant heat being emitted to cooler surfaces in the room.

Technical Specification

Length: EAE is available in two lengths, 4 m or 6 m. Several panels can be inter-connected to a maximum length of 80 m.

Width: EAE is available in eight different widths from 300 mm to 1200 mm.

Connections: Panel connections are made via headers, female threaded Ø1" or Ø1¼".

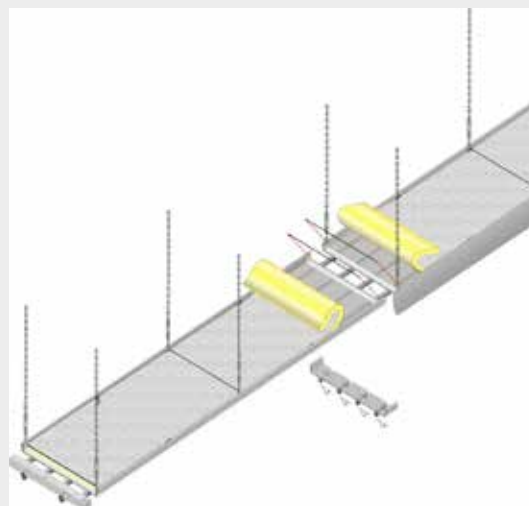
Inter-connections: A panel run, longer than 6 m, can be made by combining a connection panel and an end panel together with a number of intermediate panels. All panels are jointed by using press-fittings or compression couplings. The panels can also be jointed by welding as option.

Suspension: EAE should be installed free hanging from the ceiling using optional suspension systems, such as chain or wire.

Further information regarding thermal outputs, flow rates, pressure drops and connection options along with accessories and controls can be obtained from our technical manual.



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Quick Facts

Lengths:	4000 mm or 6000 mm
Widths:	From 300 mm to 1200 mm
Mounting height:	Up to 30 m
Finish, color:	RAL9016 (White)
Weight/m excl water:	From 4.7 kg to 25.5 kg
Weight/m incl water:	From 5.23 kg to 29.41 kg

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