

# Exotic<sup>®</sup> Compact

A NEW GENERATION GEOTHERMAL HEAT PUMP!



- large tap water capacity without the use of electric immersion heaters
- manufactured in stainless steel for added durability
- even heating distribution without irritating noises from the pipe works
- can be controlled via your Smart phone

## EXOTIC® COMPACT

*– a truly unique compact heat pump*

Exotic Compact is a compact geothermal (or ground source) heat pump with built in electric immersion heaters for increased efficiency. Energy is extracted from a pipe in a deep hole in the ground, a pipe into surface ground or sunk in a lake or river.

It is possible to purchase the Exotic Compact separately from the heat pump module. This gives you the option of adding the heat pump module at a later date to increase the efficiency of your heating system.

### UNIQUE FLEXIBILITY

The Exotic Compact heat pump forms part of Euronom's FlexiFuel range. This means that the heat pump can easily be combined with a number of other heating products within the range, such as solar water heating systems (ExoSol) and wood cassette fireplace inserts (ExoFlame). FlexiFuel gives you the option to tailor make your heating system to suit your own individual requirements.



### UNIQUE OPERATION

Exotic Compact uses a very special technique to minimise the use of the electric immersion heaters in the day to day running of the system. When controlling the water flow through the heat pump with the use of a computerised circulation pump, allowing you to control the water flow to the nearest percentage, you can extract a large continuous flow of very hot water. Exotic Compact can produce more hot water at a lower cost than any other compact heat pump currently on the market.

The electric immersion heaters are generally not required to boost the temperature other than in exceptional circumstances. As there is no tank storing hot water the risk of contracting legionnaires disease is non-existent.

Thanks to a uniquely designed mixing valve the water can be distributed through the system at a very even temperature and flow therefore avoiding the risk of irritating tapping noises coming from the heating system pipe works.

### NEW GENERATION

The Exotic Compact heat pump is one in a series of new heat pumps launched by Euronom. These heat pumps have a new, very advanced control system allowing you to control the water flow to the nearest percentage. The result is that the electric immersion heaters hardly have to be used to produce the hot water thus making this a much more economical solution.

Another benefit is that you only need to have space for the one unit and not like before a separate heat pump unit based outside and an accumulator hot water tank housed inside.

As always, Euronom produces high quality products with minimal maintenance requirements whilst at the same time being highly environmentally friendly.



# FlexiFuel

As the world is experiencing ever more volatile energy prices, Euronom has developed the FlexiFuel System, a range of products that allows the customer to choose between energy sources depending on how they fluctuate in price.

At the centre of the system is the ExoTank VPS, an advanced accumulator hot water tank, that can be connected to a range of environmentally friendly sources such as heat pumps, solar water heating systems, pellet boilers, wood boilers and wood cassettes.

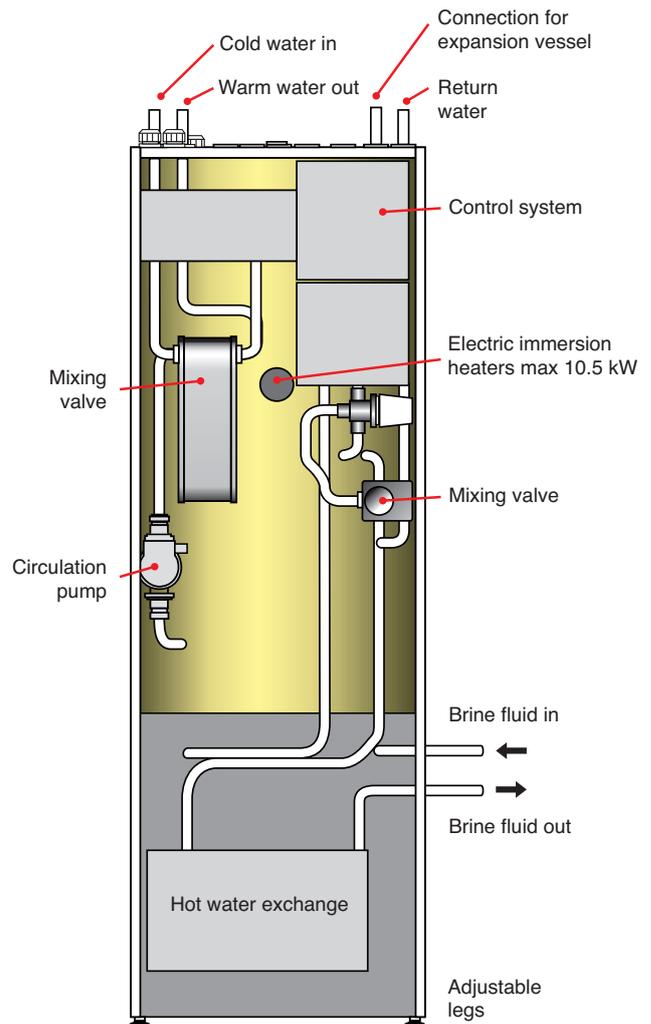
## ADVANCED CONTROL SYSTEM

Exotic Compact has a highly advanced control system with a large display, making it easy to use and to check your installations and current values. The control system can be enhanced with various add on's in the future. By using an USB cable you can easily update the program via Euronom's website [www.euronom.se](http://www.euronom.se).



*When the Swedish Energy Council recently tested the ExoTank VPX accumulator tank they found that it's hot water capacity was the best of all the tanks tested.*

***Exotic Compact uses the same technique as ExoTank VPX to extract hot water.***



## FLEXIBLE INSTALLATION

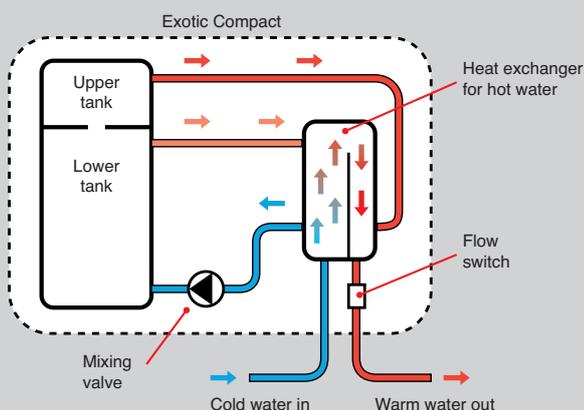
All connections to pipes, valves and vents are made outside the tank. This means that the installation is very flexible and can be made on any of the sides of the tank, above or below the tank depending upon where you have space. The brine fluid connections can be made either from the right or the left hand side.

To reduce the requirement of space during installation, the heat pump module can be disconnected and lifted into the property separately.

## HOW HOT WATER IS PRODUCED

Exotic Compact does not have a hot water tank or copper coil inside the tank to produce hot water. Instead, hot water is produced when required via a special heat exchanger. This heat exchanger uses water from both the lower part of the tank (where the temperature of the water is lower) and the upper part of the tank (where the water is always hot).

The lower part of the tank pre heats the cold water flowing in whilst the water in the upper part of the tank is used to increase the temperature to the one required. This allows you to constantly extract more hot water from the hot water circuit than from most other heat pumps.



## HIGH ENERGY EFFICIENCY

Exotic Compact is a geothermal heat pump whereby energy is extracted from a pipe in a deep hole in the ground, a pipe in surface ground or sunk into a lake or river.

Exotic Compact is equipped with a low energy, computerised circulation pump. Thanks to a specially designed mixing valve the electric immersion heaters are only used on rare occasions keeping your energy bills low.

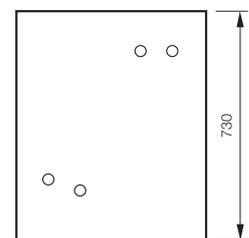
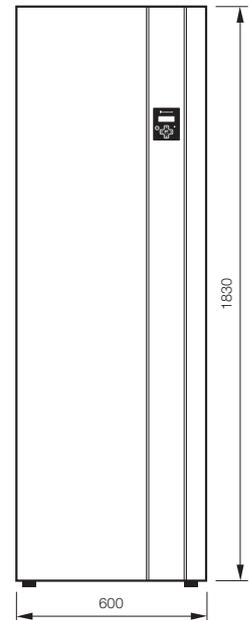
## MANUFACTURED IN SWEDEN

Sweden has considerable experience of producing heat pumps. Euronom has been making them since the 1970s. All heat pumps produced are thoroughly quality tested before leaving the factory.

The frame of the heat pump and all the screws and bolts are made of stainless steel. The individual components are made by well known and trusted suppliers. All this taken together ensures that you as the customer receives a top quality product with a long lease of life and minimum maintenance requirements.

TECHNICAL DATA EXOAIR	Model	Exotic Compact 5	Exotic Compact 8	Exotic Compact 10	Exotic Compact 12
	Part.no.	1921224	1921225	1921226	1921227
	Dimensions w x d x h	600 x 1830 x 730			
	Net Weight	250 kg	253 kg	260 kg	265 kg
	Total volume	250 l			
	Isolation	35 mm polyuretan			
	Voltage	400 V N PE			
	Immersion heater	7 steps, 1,5 kW/step. Total 10,5 kW			
	Soft start relay	Standard			
	Hot water	Double circuit sanitary water heat exchanger (security valve not needed)			
	Heat control	BIV shunt valve			
	Extra connections	3 psc. DN20 external			
	Operates as electric boiler	Yes			
Brine connection	Hose Ø28 mm (right or left connection)				
Pressure drop evaporator	1,3 kPa	2,2 kPa	3,2 kPa	4,3 kPa	
Pressure drop condenser	2,0 kPa	3,5 kPa	5,5 kPa	7,2kPa	
Refrigerant	R407C				
Fill amount	2200 g	2200 g	2400 g	2400 g	
PRESTANDA *	Model	Exotic Compact 5	Exotic Compact 8	Exotic Compact 10	Exotic Compact 12
	Heating factor 0/35	5,60 kW	7,69 kW	9,77 kW	11,25 kW
	COP 0/35	4,03	4,39	4,31	4,35
	Heating factor 0/45	5,38 kW	7,33 kW	9,28 kW	10,70 kW
	COP 0/45	3,24	3,49	3,44	3,44
	Heating factor +5/35	6,64 kW	9,17 kW	11,55 kW	13,35 kW
	COP +5/35	4,64	5,07	4,97	5,03
	Heating factor +5/45	6,30 kW	8,65 kW	10,95 kW	12,60 kW
COP +5/45	3,72	4,00	3,96	3,97	

\* All performance data acc. to EN14511 (pumps oncl), EN255 n/a



The right to technical modifications is reserved

FLIK: 9-1211-384

Euronom is a member of



Franska vägen 12 SE 393 56 Kalmar SWEDEN  
 Telephone +46 480 221 20 Telefax +46 480 870 17  
 www.euronom.se info@euronom.se

DISTRIBUTOR: