

HEAT PUMP | WATER HEATERS

Utility:



Large installations



Installations
DHW
domestic



DHW



Swimming
pools



Heating
support

FEATURES:

- High efficiency insulation (DIN 4753-8): rigid PU, thickness 50 mm.
- Outer lining of ABS with RAL 9006 color.
- Water tank of low-carbon steel S235JR.
- Complex corrosion protection realized by means of titanium enamel (DIN 4753-3) and anode protection (DIN 4753-6).
- Convenient inspection opening.
- Operating pressure: 10 bar
- Test pressure: 15 bar
- Maximum temperature: 60°C
- All threads are internal.
- Enables the tank to utilize an external sources of renewable energy.
- Safety valve, 8 bar. Adjustable foot for all models.
- Addition heater equipment: Electric heating element for fast heating mode.

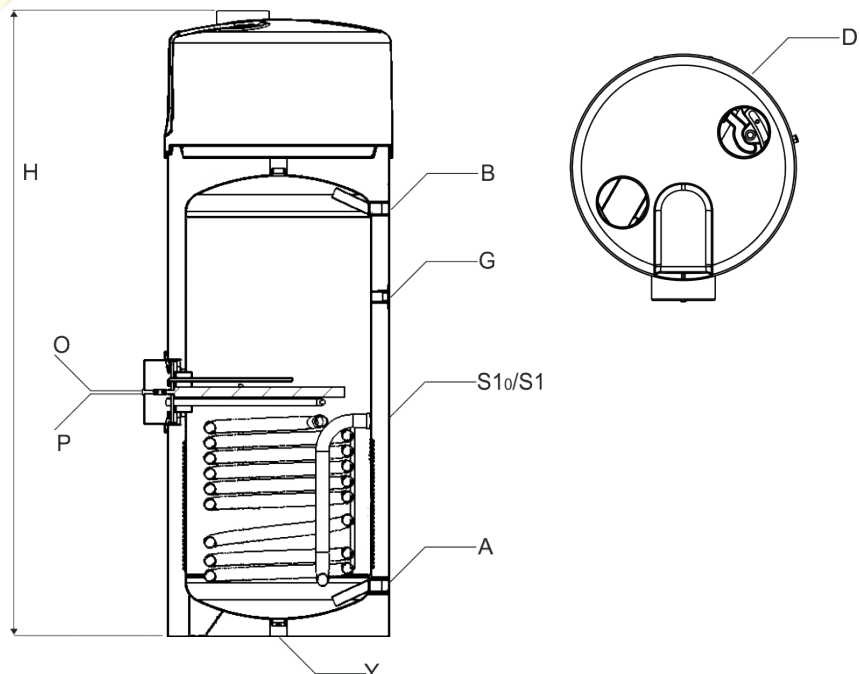


THERMODYNAMIC BOILERS

Highly efficient heat pump for domestic hot water with COP 3.4. Volume of DHW 200 and 300 liters. Models with coil for additional heat source. Electrical heater of 2kW for "Boost Mode" heating. Power supply 230V, 50Hz

HEAT PUMP TANK

TECHNICAL PARAMETERS



ACCESORIES | Solar

1- Manufacturing range:

- Coils
- Individually prefabricated hoses
- Customized connection fittings on request
- Coil capacities and partial lengths on request

2- Corrugation specification:

- Wide pitch
- Heat exchanger hose

3- Material of hose:

- Non-corroding austenitic steel to comply with DIN EN 10088-2, blank
- Standard material 1.4404 (AISI 316L)/ Differing materials on request

4- Corrugation specification:

- wide pitch
- Heat exchanger hose

5- Operating temperature range:

- 270°C to max. 600°C
(valid for the hose)

6- Quality inspection:

The corrugated stainless steel hose is inspected to comply with DIN EN ISO 10380 standard



1 Cut solar metal Flexible pipe with steel cutter pipe cutter



2 Slide on backnut and snap on the segment ring



3 Form the flange with the flat face of unscrewed fitting



4 Tighten the connection fitting with two wrenches



5 Now unscrew the connection when the flange is formed



6 Insert washer



7 Screw back together . job done



Solar Metal Flex is easy to transport



ACCESORIES SOLAR CONNEXION

ACCESORIES

ANTIFREEZE ORGANIC

Crops and animals contain natural antifreeze compounds, some of which are utilised in heat transfer fluids. The most commonly used organic antifreeze is Glycerine, also referred to as Glycerol, which is easily derived from soya, rapeseed and cattle. Ethanol and Methanol, produced organically, both have antifreeze characteristics.

More recently Betaine, derived from sugar-beet and Bio-PG, derived from corn, have become available, but supplies are limited and subsequently expensive. Efficiency wise, blending several organic products together often improves their individual performance and resistance to biological contamination, which is reflected in the formulations for Coolflow ECO2, Thermox FXC2 etc.

