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Quick start guide EPDM Solar Heating

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General comments

Consult the full user manual on <https://beniferro.eu/solar-heating/epdm-solar-heating-kit/>:

Strickly follow all safety measures described in this quick start manual and in the full user manual.

Unpacking

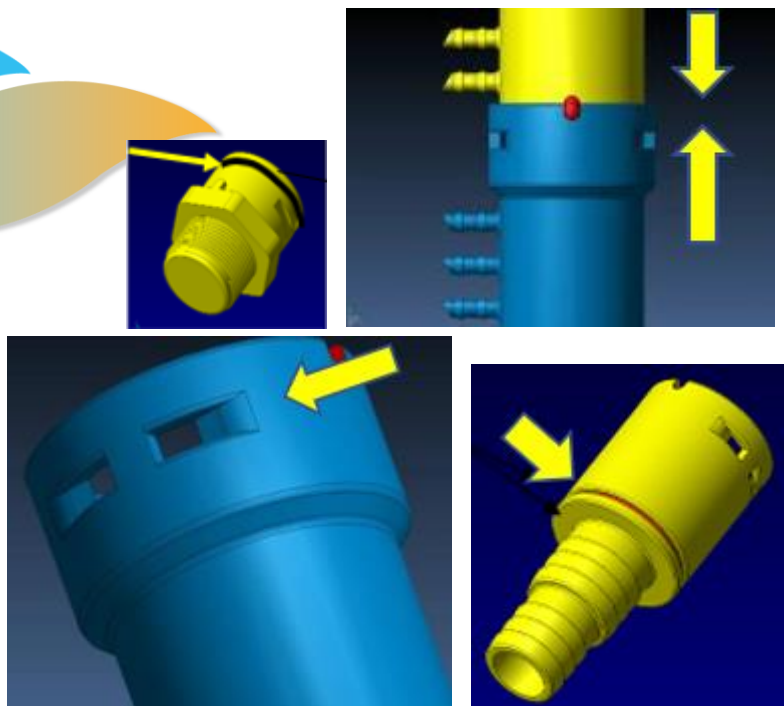
When opening the box, take care not to cut into the EPDM solar heating.

The box will contain :

3 pre-assembled EPDM heaters (length 2,3,4,5 or 6 meter) fittere with a collector at each end.
6 O-rings
10 ty-rips
2 conectors 50-38-32 mm
2 closed collector ends

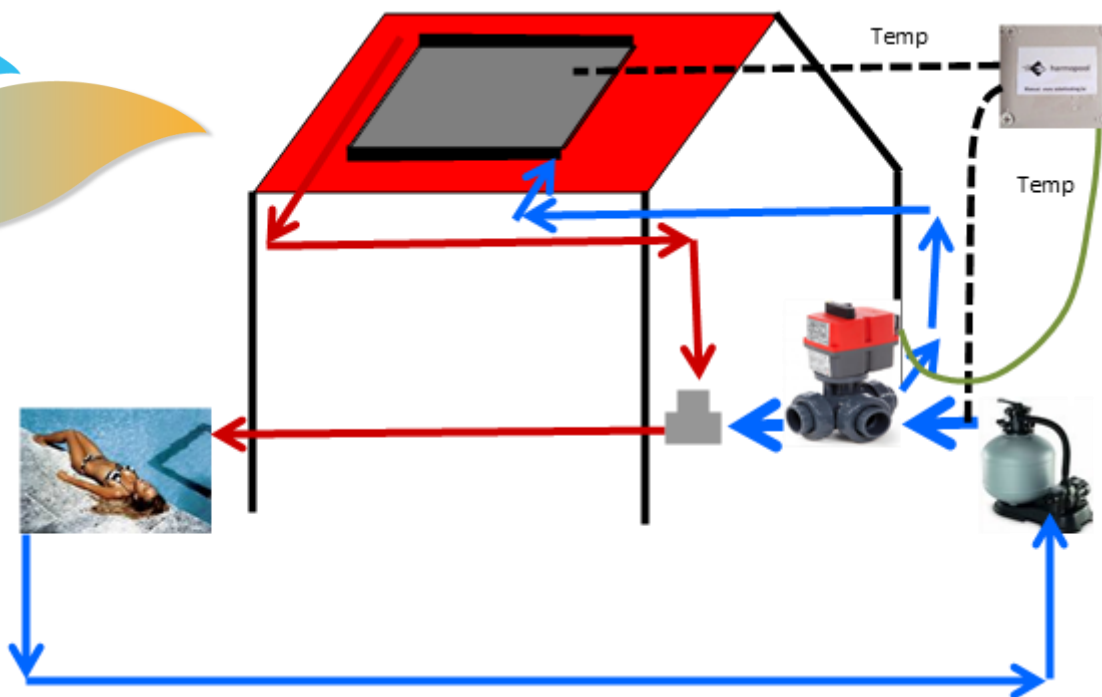
Installation

1. Put the 3 heating mats next to each other. Put the O-ring around each collector end and around the 2 closed collector ends.
2. Click the collectors into each other, and put the ty-rips through the collector
3. Cut the conectors 50-38-38 to the desired size using a metal saw. In case of 50mm cut the conector at the spot indicated on the right drawing.



4. Put the EPDM collectors at the desired place. This can be a roof, the floor etc ...
 . Make sure no sharp objects can pierce the collectors. Fix the collectors to the underground using webbing strap or special silicones all available from your dealer. When placing the mats on a roof, take all necessary safety precautions to work safely.

5. Connect the EPDM mat inlet and outlet. In case of using 50mm PVC, use PVC glue. The ideal location of the EPDM mats is just after the filter, before the heatpump. In all cases, the water treatment has to be done after the heating mats, never before. We recommend to use a (automated) 3-way valve to bypass the solar heating in case the roof temperature is colder than the pool water temperature. See the connection scheme.



Safety Precautions

- Do not put the EPDM heating in a environment higher than 60 degC
- Do not pressure higher than 1.5 bar on the EPDM heating
- Do not circulate water with pH lower than 7.2 or higher than 7.6 through the heating mats.
- Do not circulate water with free chlorine content higher than 1ppm over the heating mats.
- Do not walk over the collectors
- Use appropriate safety precautions / equipment when working in height

Winterizing

Empty the collectors before winter. EPDM rubber will not freeze, the collectors will freeze when left full with water.

Repairs

Repairs can be done easily:

- Collectors can be put on the EPDM using soap or by soaking the EPDM 10 minutes in gasoline. The EPDM will swell, and later unswell.
- Holes in the EPDM can be repaired with our repair nipples, available via your dealer
- Visit the website Beniferro.eu for detailed repair instructions

More info can be found in the complete manual.

