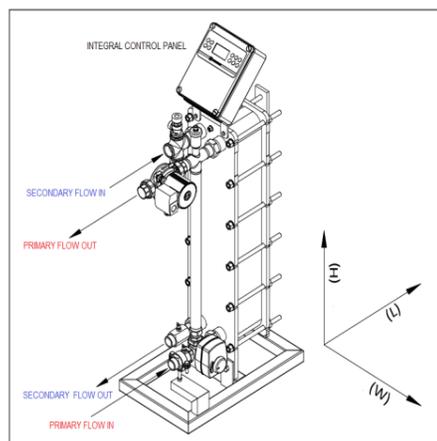


### AELTHERM – SP MODULE



The operating duty of an AELTHERM SP Swimming Pool module is calculated to ensure that it provides the correct pool water temperature and flow rate required in the most efficiently to suit your system.

Great care is taken to provide you with a high quality standalone Heat Exchanger Module that is reliable and fit for purpose. Every component part of an AELTHERM – SP module from the skid mount to all the preassembled controls, pumps and valves are tested and finished to a very high standard.

The main component part in an AELTHERM –SP module is the Plate and Gasket Heat Exchanger and frame. When the frame and plate pack are professionally fitted together with the correct primary pump, electronic regulator, temperature probes and control panel you will have the perfect integrated Swimming Pool Heating system

The AELTHERM-SP has an extremely small footprint and is very easy to install by just simply connecting the flow and return pipework to four ports and the electrical connection to the Control panel.

#### CONTROL PANEL FUNCTIONS

The standard control panel is very easy to use and comes pre wired and ready to set up for the internal weekly calendar which is programmable to the required time slot on the selected day or night each week.

There is also a facility for an anti-legionella thermal cycle for the DHW version that can also be programmed to the preferred time slot on any selected day or night each week.

There is also a facility to recall the signaling cycles and the display message in the control panel for probe failure or incompleteness of the starting cycle.

#### STANDARD “AELTHERM – SP” SWIMMING POOL WATER HEATERS

The standard range of AELTHERM SP modules start from **35 KW** units up to **300 KW** allowing a rapid heating up of the pool water.

The standard AELTHERM- SP is suitable for use with chlorinated water.

For use with salt or sea water, there is a nonstandard version with Titanium plates available.

### The AELTHERM – SP is Comprised of

The AELTHERM - SP module is comprised of:

- Electric control unit with digital regulation system (PID programmable)
- Plate and Gasket heat exchanger
- Circulation pump (primary side)
- Check valve (on the recirculation system of the secondary side) PT1000 Thermosensors

Supply voltage: **230V** frequency: **50Hz**

Design pressure: **PN10**

### The AEL TSRE06 CONTROLLER

The AEL TSRE06 Controller is very easy to use and provides efficient control of the Swimming Pool temperature.

You can simply set the minimum and maximum temperature required on setting 1 or 2 for the PT1000 sensing probe.

The Control Panel will operate inside the chosen temperature range and the regulator activates



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