

Data Sheet: Solamander® Hydronic Energy Hub

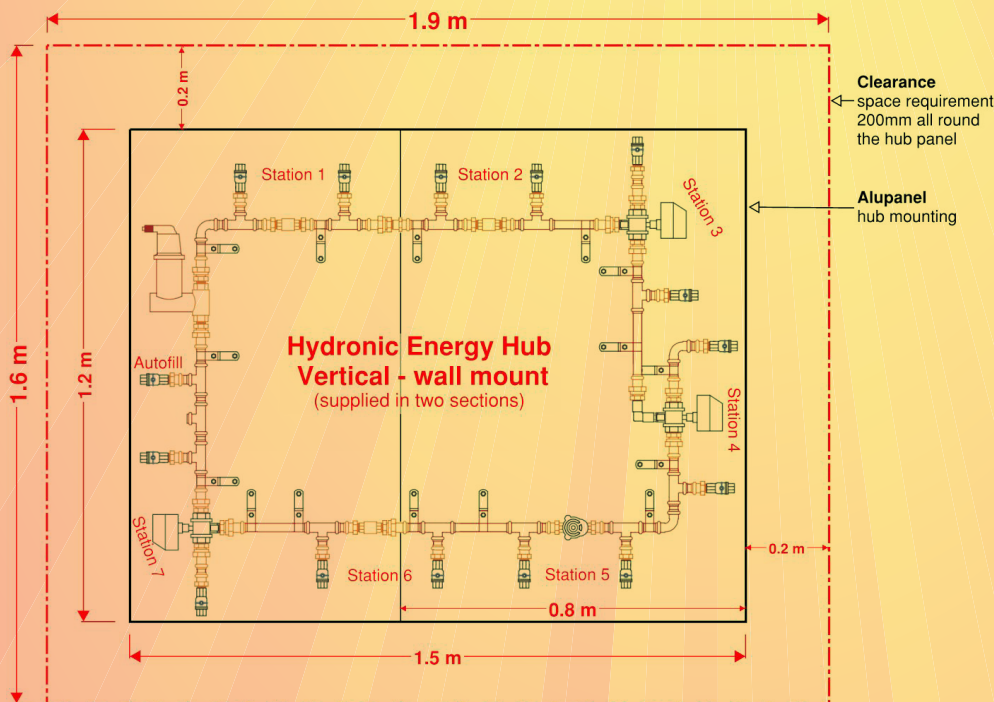
Your Intuitive Energy Solution™

Dimensional Requirements

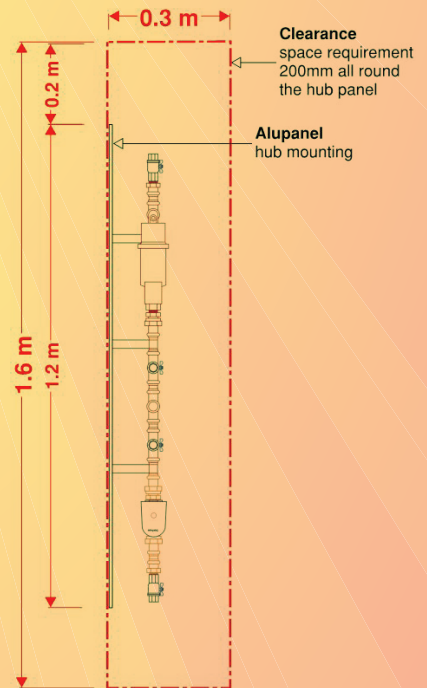
The Solamander® hub has been designed for simple installation. The hub piping is attached to an Alupanel sheet that comes in two pieces for easy installation and transportation. Pre-drilled holes are located in each corner of the hub to allow for roofing screws should it be mounted to timber. Dynabolts are available if mounting the hub to a concrete or brick surface. The two halves of the hub are connected together using 20mm unions located at the top and bottom of the hub.

Suggested mounting locations include plant room walls/ceilings, garage walls/ceilings and external walls. If boxing in the hub with joinery then access needs to be provided for maintenance purposes, which could be through a screw removable cover.

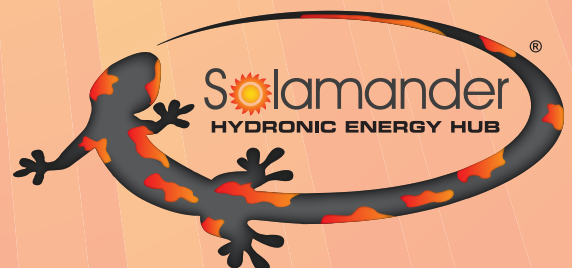
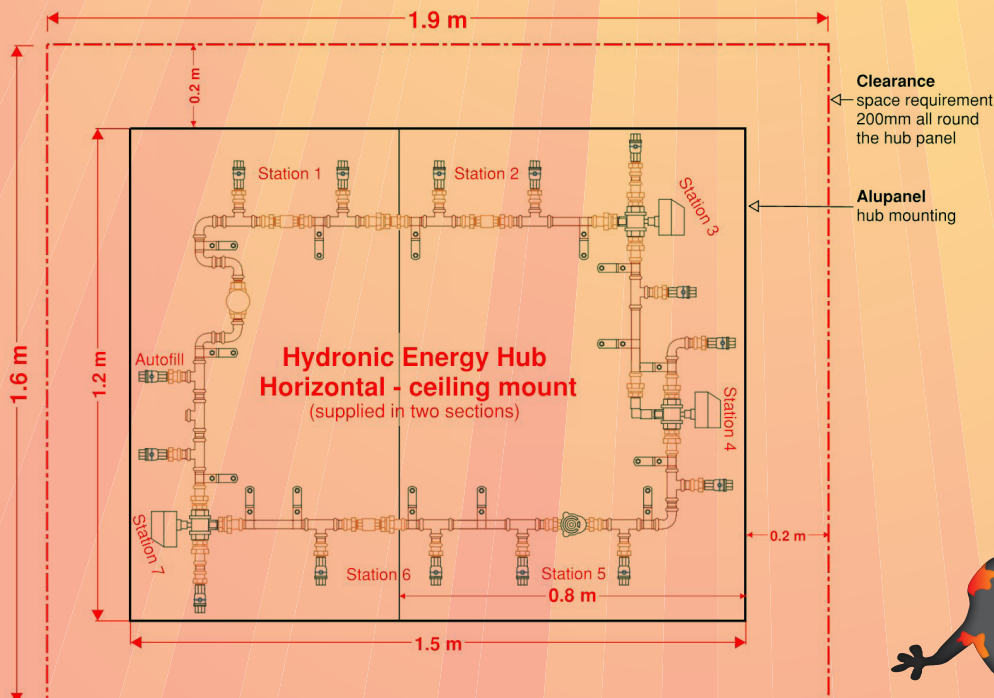
Vertical – Wall Mounted



Vertical – Wall Mounted



Horizontal – Ceiling Mounted



Hub Specification

Attributes	Details
Weight	40kgs (unfilled)
Max Pressure	3 bar
Hub Pipe	B-grade copper tube
Hub Pipe Diameter	20mm
Lagging Thickness	19mm

Hub Connections

Station #	Description	Connection
1	Solar Tubes	3/4 BSP
2	Heat Pump or Wetback	3/4 BSP
3	Gas Boiler or Heat Pump	3/4 BSP
4	DHW Tank	3/4 BSP
5	Radiator Circuits	3/4 BSP
6	Floor Heating Circuits	3/4 BSP
7	Pool Heating or Heat Dump	3/4 BSP

Parts & Dimensions

Stock Code	Description	Application	Dimensions
VS01A400H	Horizontal Mounting Hub	For wall mounting	1.6m x 1.9m x 0.3m
VS01A400V	Vertical Mounting Hub	For ceiling mounting	1.6m x 1.9m x 0.3m
VS01A200	Connection Box	For all of the system inputs and outputs	560 x 380 x 190H (mm)
VS01A300	Power Box	Power supply to all system components	250 x 200 x 100H (mm)
VS01A100	Control Box*	To house HMI touch screen incorporating the controller	240 x 205 x 130H (mm)

* HMI Touch screen can be mounted on a separate panel with its Control Box located a short distance away.

Hub Controller

Power Information:

- 230V 50Hz maximum 900VA 4A (normal operating power up to 400VA)
- Requires 10A single phase circuit
- Controller power requirement includes heat sources and uses but not heat pumps
- Heat Pumps would need their own appropriate electrical circuit supply



*Please refer to the installation manual for further information.