

The "Spa Hub Pack" - Spa & Pool Controller complete with Equipment Pack.

The Spa Hub Pack is a pre-fabricated, fully assembled equipment system for commercial or heavy domestic spas and pools. It can be tailored to any project & can be configured to operate more than one spa or pool. All the components are mounted to a frame and wired to a central control panel with a 7" Touch screen. Simply position the pack, connect the plumbing & power plus any spa side touch buttons as required - It's that simple. The controller & the equipment pack are available separately or as a complete package (Shown below). Call distributors Hydros pares to discuss your requirements on **01326 371488** or visit www.hydros pares.co.uk. where you can download and fill in an enquiry form.



The Spa & Pool Hub - Controller

7" Full Colour Touch Screen
Control Panel with switch gear.
Door Interlock Isolator/Emergency isolator

Pre-Wired Control Box

This means your electrical contractor only has to run mains power to the unit.
IP 65 Rated Enclosure



Filtration

Sand Filter with Multi port valve or Cartridge Filter (option)

Pumps

Circulation/Filter Pump
Boost Pump

Heater

Electric (3 phase)
3, 6, or 9KW
(Heat exchanger optional)

Sanitising

Chlorine Feeder or Salt Chlorinator (Option shown)

Skid/Tray

Strong GRP Base
Adjustable Feet

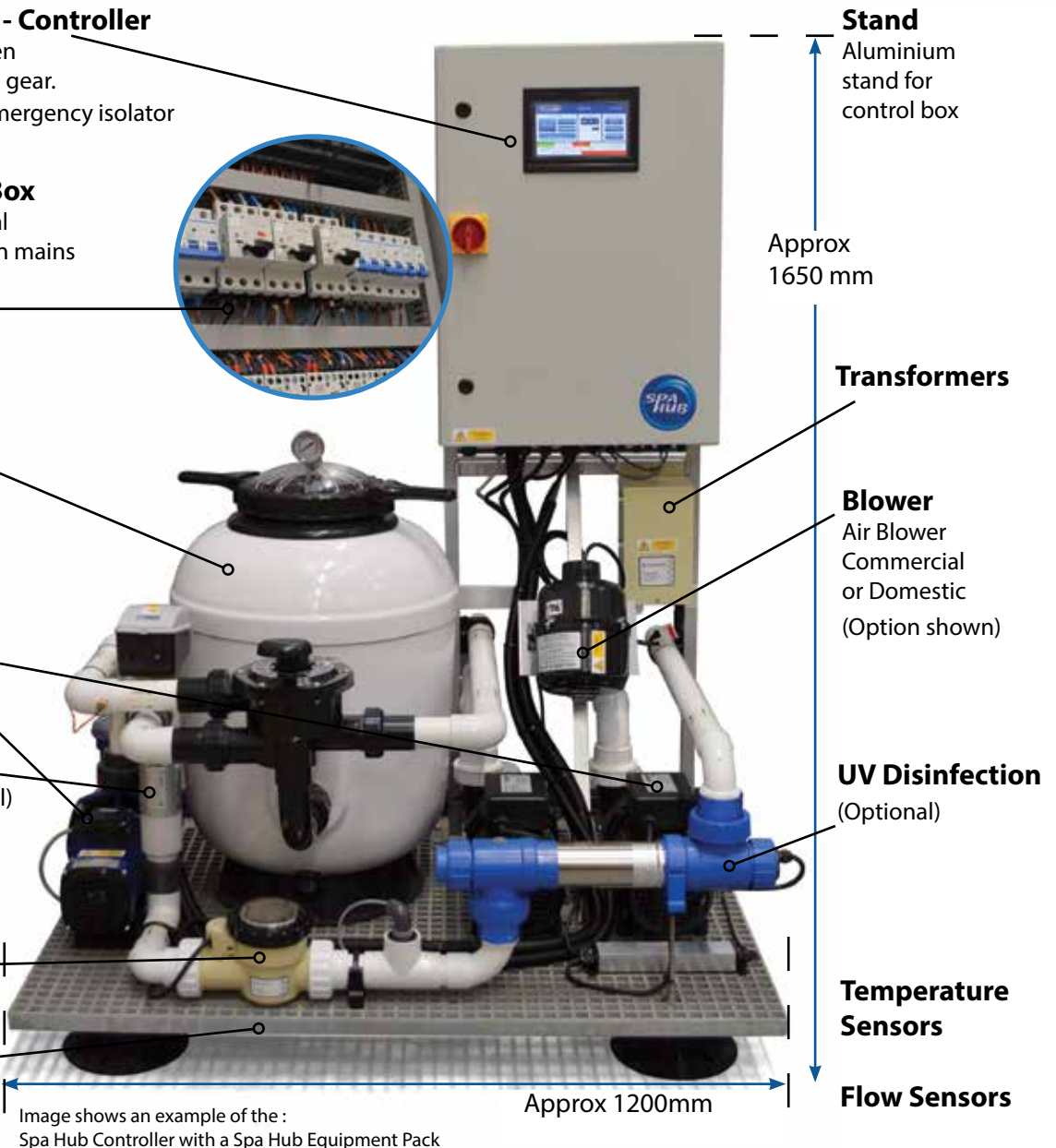


Image shows an example of the :
Spa Hub Controller with a Spa Hub Equipment Pack



Labelled outlet stubs

Easy to connect to your spa plumbing.

Flow direction labels on pipes

Remote Switches

- Spa Side
(LED Touch Buttons Optional)



Spa Hub Controller

7" Touch Screen.
3 or Single Phase.

Programmable Logic Controls:-

- Filtration
- Timers (Run & Purge)
- Pumps & Blowers
- Temperature control
- Remote Switches
- Back Wash (Manual)
- Run time Logs
- Alarms
- Balance Tank level monitor



- Output for Sanitiser
- Lighting Supply
- Other features can be included



The Spa & Pool Hub Controller is a logic driven control system for your spa and or pool, operated via a 7" touch screen mounted to the front of the control panel enclosure. Available for use with your existing spa & pool equipment or as part of a package with one of hub equipment packs. (See overleaf for complete package)

What makes the Spa & Pool Hub controller so special?

The system is designed to offer a complete plug & play solution that's really easy to install, just connect up the equipment (pumps, heaters etc) to the terminal rails in the control panel enclosure, connect electrical power and off you go.

Unlike many control solutions the spa & pool hub is supplied pre-configured for your project which means it includes all the correct rated switch gear, MCBs, Motor Starters, Contactors, isolators etc.. all pre mounted, wired and tested within an IP65 rated metal enclosure.

At the heart of the Spa & Pool Hub is a pre-programmed Logic controller and HMI interface, which unlocks a whole host of features from even the most basic set up to a more complex installation where it can power multiple spas or a spa and a pool.

How to get the best out of your Spa & Pool Hub Controller

Why pay for two systems when one will do, if you're planning / installing a new pool and a spa then the Spa & Pool Hub can operate both, in fact the pool control element is even simpler than that of the spa so adding in the pool control features is simple. Both your pool and spa can be monitored and controlled from the same single touch screen.

What we need to know in order to specify & price your Spa Hub?

The spa & pool hub controller is quite flexible, there are a number of ways it can be set up depending on the type of equipment it needs to control & therefore each hub controller is made to order. We ask customers to fill in a project enquiry form as this enables us to better understand the requirements of the project & so we can activate or disable certain features within the HMI & make sure all the necessary electrical hardware is specified and included in the control panel. Please see below the features list which includes everything that the Spa & Pool hub controller can do, you may only want a few of these features, or you might want them all.

Download an enquiry form at Hydrospares.co.uk (01326 371488) or email info@hydrospares.co.uk

What can the Pool & Spa Hub do?

Pool & Spa control systems are often built using an electromechanical approach. This means that many features are hard wired and non-user adjustable. The Spa & Pool Hub uses a Logic System so that all the timers are pre programmable within the system and fully adjustable by the operator via a simple touch screen system



List of available features:

7" Colour Touch Screen - Main Features

- 24 Hour or 7 day Clock – (User adjustable)
- Temperature Display (Current and set point)
- Temperature Control (+/- or keypad)
- Auto / Permanent or Off setting for main filtration
- Filtration Advance feature
- Back Wash / Filter Cycle (Guided manual operation)
- Remote Switches master control
- Run Timers (massage Pumps, blowers etc.)
- Purge Timers Set up
- Boost Pump 1 & 2 Link
(control both pumps from one remote switch)
- Filter pump run on time
- Heater Hysteresis Set up (setting can be adjusted)
- System Status Display (Via Home Screen or any screen when pressing Splash-Tec logo)
- Maintenance schedule setup and alarm
(indicates when a back wash or water change is due)
- Auto Fill / level control

Other Features

- Remote Switch Connections
- Multi press of remote switch lock out (stops user switching pumps on/off repeatedly if there is a lag between operation and user experience eg if plantroom is a distance away)

- Door Interlock Isolator
- Emergency isolator
- 3 Phase or Single phase (pre-determined)
- System Logs (records device operating times)
- 240v Connection - for external dosing / chemical controller
(operates when filter pump is running and isolated when not or back wash is running)
- Level control – and auto water top up (supplied with solenoid valve if requested)

System Status / Alarm indicators – Touch Screen display

- Water Level (if input is used can be jumpered out if no sensor fitted)
- Filter pump – Grey when off – Green when on
- System Flow – Grey when no flow, Green when flow, Red Alarm when there's an error
- Heater – Grey when Off – Green when on
- Sanitising – Grey when no power is supplied, Green when power supplied
- Boost Pump 1 & 2 – Grey when off – Green when on
- Blower – Grey when off – Green when on
- Lights – Grey when Off – Green when on
- Maintenance – Grey when ok, Red when maintenance is needed (e.g. back wash due)
- Overheat – Grey when Ok, Red Flashing when Overheat.

Note: Certain features will rely on the appropriate hardware being installed within the main control panel to work. If a certain feature is not required then we may disable the feature on the touch screen view to stop any confusion by the user.

Call Hydrospares now on 01326 371488 for an enquiry form or to discuss your project.

Manufactured by Splash-Tec Ltd, 5 Penrose House, Treleigh Ind Est, Redruth, Cornwall. TR16 4DE. Tel: 01326 375610 www.splash-tec.co.uk

