

Waterproof Manifold cabinet

Wunda waterproof manifold cabinets are available in 2 versions - recessed and surface mounted and are designed for use with our Wunda Premium temperature control pumpset that has both flow and return on the right hand end of the manifold.

To protect the manifold and wiring centre the cabinet features an inner spray shield and pipe entry holes that are sealed with rubber boots. These ensure that any leaks are contained within the cabinet and exit via the internal drain off via a suitable outlet.

Wunda hard wired or wireless wiring centres can be housed in the upper part of the waterproof cabinet (on models that have a separate upper compartment for electrics).

Wiring access is gained via knock-out holes in the cabinet. All cabinets are manufactured in powder coated stell plate and supplied complete with locking door, water spray shield, rubber innlet boots, manifold mounting bars and bolts.



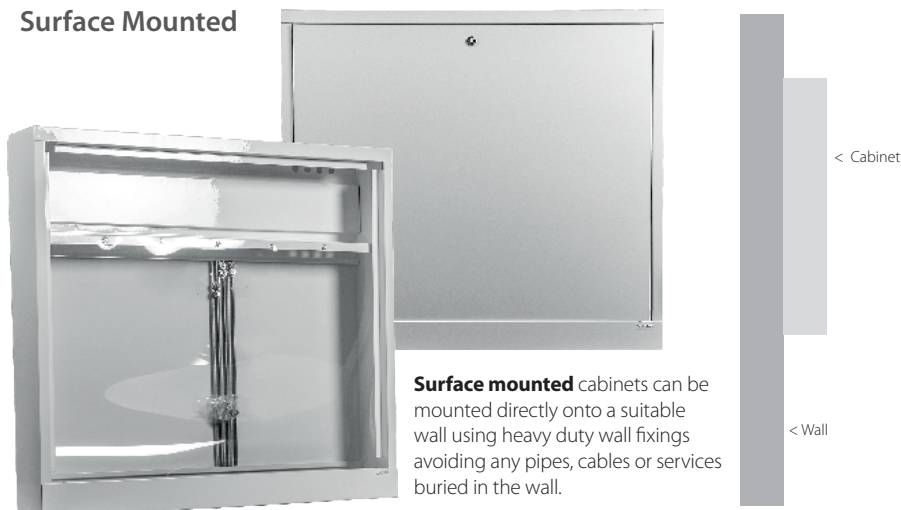
Manifold and wiring box shown for illustration purposes only

You will need:

- Heavy duty wall fixings
- Tools
- Drill
- Spirit level
- Tape measure

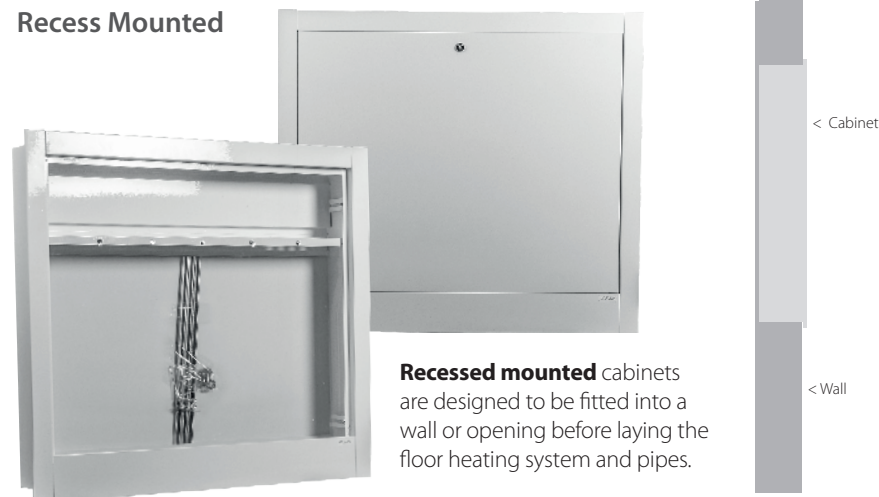
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Surface Mounted



Surface mounted cabinets can be mounted directly onto a suitable wall using heavy duty wall fixings avoiding any pipes, cables or services buried in the wall.

Recess Mounted



Recessed mounted cabinets are designed to be fitted into a wall or opening before laying the floor heating system and pipes.

Mounting the Cabinet

Fixing holes will need to be drilled through back of cabinet, choose a suitable location and fixings. Drill appropriate size hole for fixings used.

Surface mounted cabinets can be mounted directly onto a suitable wall using heavy duty wall fixings avoiding any pipes, cables or services buried in the wall.

Mount the cabinet base a **minimum** of 240mm above floor level this will allow room to access the pipe entry boots from below (**pic A**) The outer cabinet can be removed whilst fitting the main body of the cabinet.

Recessed mounted cabinets are designed to be fitted into a wall or opening before laying the floor heating system and pipes.

Recessed cabinets have a depth adjustable fascia (**pic B**) with a **minimum depth of 120mm** - this must be taken into account when selecting a suitable location for the cabinet. The fascia panel can be removed whilst fitting the main body of the cabinet.

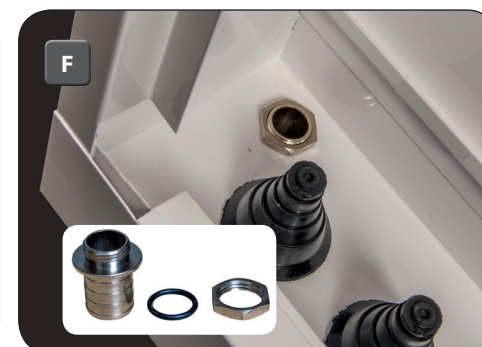
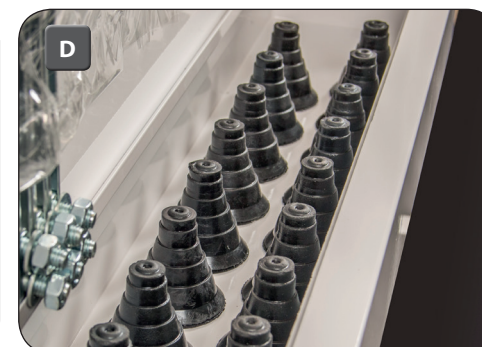
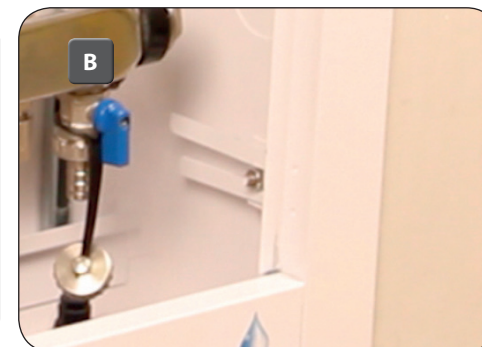
All pipe work for flow, return and floor heating loops are designed to be connected and enter via the rubber boots, (**pic C**) from below the cabinet.

All access holes must be fitted with the rubber boots supplied. (**pic D**) Adjust the opening in the boots to suit the pipe dimensions, trim with scissors (**pic E**).

Fit drain off fitting into the base of the cabinet (**pic F**) and connect to a suitable internal or external drain off point.

Take care when mounting the cabinet and ensure the cabinet is correctly located and secured using suitable fixings. (fixings not supplied)

A good tip is to lubricate the cut opening of the rubber boot with a silicone spray - before sliding pipes thorough.



Installing Manifold and pumpset

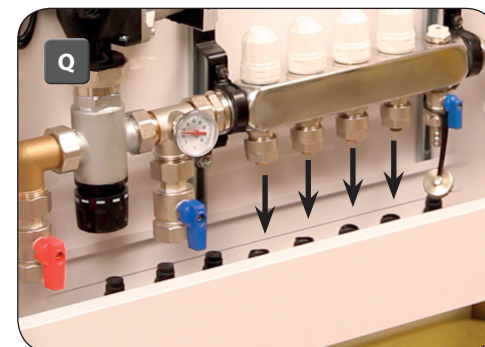
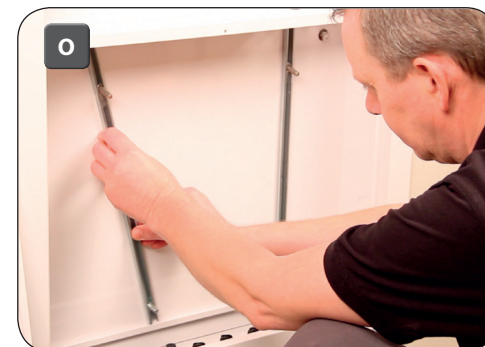
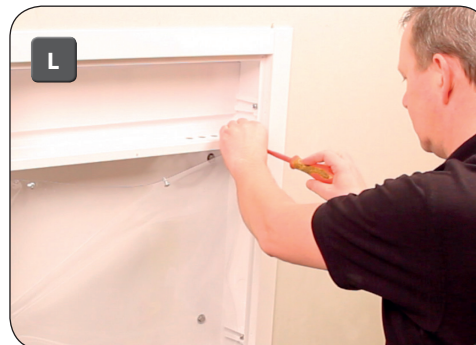
In order to install the manifold and pump-set remove the water spray shield, retain the screws and shield these will be re-fitted after manifold is fully installed (**pic L**). Identify and put to one side the floor heating pipe retaining bar (**Pic M**).

It is advisable to assemble the pump-set onto the manifold and adjust the manifold brackets before installing into the cabinet.

Locate the 2 manifold mounting bars, slide 2 mounting bolts head first into the mounting bar (**pic N**), a good tip is to put tape across the bar and hold the bolts in position. Slide the mounting bars into the upper and lower channels on the back wall of the cabinet (**pic O**). Space the bars roughly the same distance apart as the manifold brackets.

Offer up the manifold and pump-set assembly onto the mounting bars in the cabinet, passing the 4 mounting bolts through the 4 holes in the manifold brackets, using the washers and nuts tighten all 4 nuts. (**pic P**). keep the manifold set level and towards the top of the mounting bars, leave enough room to access and adjust the flow gauges.

Slide the complete pump-set and manifold assembly horizontally so that the flow and return feeds are directly above their corresponding rubber boots. (**pic Q**)



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Connecting floor heating pipes

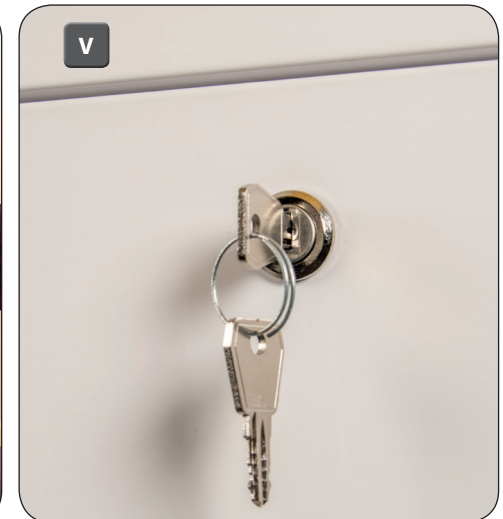
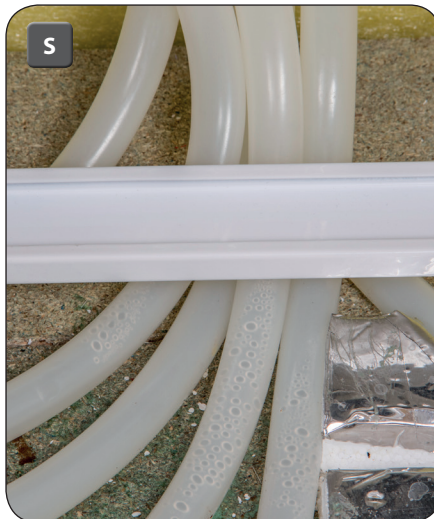
When laying floor heating pipes allow extra pipe at the manifold for fitting and adjustment, take care not to kink the pipes when feeding the pipes under and into the cabinet.

If required the pipe retaining bar should be fitted with all floor heating pipes passing underneath the bar (**pic R**).

Fitting the bar will help ensure that the pipes remain behind the front of the cabinet (**pic S**), the closer to the floor that the cabinet has been installed will restrict the amount of free play/movement in the pipe below the cabinet.

Once all assembly and manifold commissioning is complete (**pic T**) re-install the water spray shield and screws (**pic U**). Re-fit and adjust the fascia depth (recessed cabinets) re-fit door and secure with the door lock (**pic V**).

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Water proof cabinet dimensions

Recessed Cabinet (Housing Dimensions*)

Description	Manifold size	Height	Width	Depth
Small Cabinet	2-4 ports	712mm	604mm	120mm
Medium Cabinet	5-9 ports	712mm	804mm	120mm
Large Cabinet	10-12 ports	712mm	967mm	120mm

Recessed Cabinet (Dimensions Including Fascia*)

Description	Manifold size	Height	Width	Depth
Small Cabinet	2-4 ports	755mm	655mm	125mm
Medium Cabinet	5-9 ports	755mm	855mm	125mm
Large Cabinet	10-12 ports	755mm	1015mm	125mm

Surface Mounted Cabinet Dimensions*

Description	Manifold size	Height	Width	Depth
Small Cabinet	2-4 port	724mm	610mm	125mm
Medium Cabinet	5-9 ports	724mm	810mm	125mm
Large Cabinet	10-12 ports	724mm	970mm	125mm



*All dimensions stated are external

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