

WE KNOW HEATING

Heat IQ have a wide range of quality heating system components from boilers through to consumables. High quality solutions for all your heating requirements.

Check out our wide range of central heating products including these control options

www.heatiq.co.nz



Touch Screen

HIQ 417 Horizontal and 418 Vertical touch screen programmable controls for UFH provide both floor and air sensing for maximum control and energy efficiency.

Dependable and easy to use at a reasonable price



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MANIFOLD RAIL SYSTEM

HEAT IQ

Installation and use



IQ INOX MANIFOLD RAILS

Please read before installing

Combined with the IQ energy saving pump station you can install manifolds with up to 13 circuits. Each circuit should not exceed 110M and the total length of all circuits from should not exceed 1000m. Your system should have a design operating temperature, between 34 and 42 degrees Temperatures higher than 47 degrees can put expansion stress on pipework which can lead to failure and floor damage.

For energy efficiency Heat IQ recommended. Floors are split into multiple control zones With programmable floor and air sensing thermostatic controls controlling flow through the manifold via Power actuators which can be fitted in place of the manual control heads (Order code HIQ 110) Bathrooms and En-suites should be independently piped and controlled to allow for off season use.

(Please also read the instructions with pump station)

Purging air from the pipe system

- 1/ make sure both air relief valves are open and all the flow setters are open one full turn and all the manual control caps are off
- 2/ while maintaining a 1 to 1.5 bar system pressure, open the control cap and circulate and vent one circuit at a time, turning off each vented circuit before moving on to the next
- 3/Once all circuits are vented re open all the control heads,

Setting flow rates

A CAD designed system will have recommended flow rate settings for each loop. If you don't have this then a general rule of thumb is to set the loops with between 1 and 2 liters per minute, the higher rate being typically being applied to the longest loops flow setters can be set as shown here.



Important

Electrical control boxes and wiring centers should be installed above the rail away from any potential water ingress

The system should be protected with an approved system inhibitor.

Never allow children to have access to this pump station or manifold. A lockable cabinet is recommended for safety

If a leak is identified contact your service agent/installer

Optional



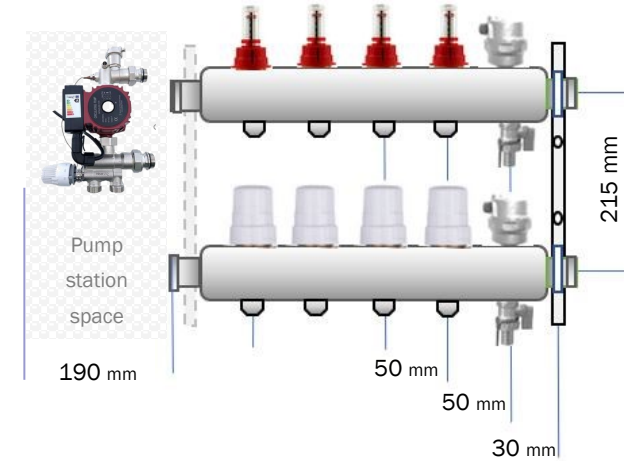
Stainless steel Manifold cabinets

- Small** Suits up to 7 ways
- Medium** Suits up to 9 ways
- Large** Suits up to 13 ways (manifold with pump station)

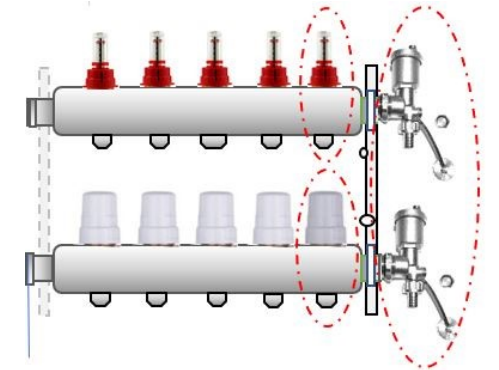
It is worth noting that most oil boiler manufactures do not recommend direct connection to floor systems. This is due to the wide flow and return temperature differential and a potential for extremely limited flow rates across the boilers heat exchanger. We recommend Hydraulic separation to mitigate the above or a buffer tank with differential temperature control for greater boiler efficiency.

Standard manifolds available as 4/6/8/10/12 way

4 way shown



Plus one kit HIQ 000 Can be used to create odd number, 5/7/9/11/13 way manifolds



Thankyou for choosing a Heat IQ manifold

Please leave this information with the manifold