

Our retrofit cylinder coils are an economical way of installing solar heating into an existing heating system, without changing the cylinder. The coils are fitted into the cylinder through an existing immersion heater port.

The kit contains a screw in header, and 4m or 6m of DN12 flexible stainless steel pipe with fittings. This corrugated tube has a large surface area in contact with the water, enabling efficient heat transfer.

Installation

When fitting, the pipe is first formed into a coil of the required size and shape to fit the cylinder. This coil must be small enough in diameter to clear any existing coil if present. Note the narrow bottom loop to enable insertion through the 2¼" immersion port. When the coil is being used for a solar input, it should be made to fit as low down in the cylinder as possible.

After forming the basic shape, the ends of the tube are if necessary cut to the same length with a normal pipe cutter.

Next fit the backnuts to the tube, and fit the split circlip washers to the first corrugations. Then screw the backnuts onto the header unit, without the washers, and tighten them up to flatten the end of the tube. Remove the backnuts, fit the ½" fibre washers to the backnuts, the 2¼ " washer to the header, and refit the stainless coil to the header, tightening up the nuts fairly firmly.

The completed retro-fit coil can now be screwed into the cylinder through the immersion port. A standard UK 8 sided immersion spanner will fit the header.

The inlet and outlet pipes are then fitted to the header with standard 22mm solder or compression fittings, or 22mm push fit subject to the maximum temperature of the circuit.



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| Header material | Brass | |
| Pipe material | Stainless steel, DN12 | |
| Header fitting | 2¼ " male thread | |
| Inlet/outlet | 22mm or 15mm solder | |
| Pipe length | 4m | 6m |
| Surface area | 0.31m ² | 0.47m ² |