

Heatsavr

Installation Notes - Automatic Dosing System with Peristaltic Pump

To be read in conjunction with the system operating manual

The Heatsavr dosing system is a reliable, accurate and convenient way to ensure Heatsavr is added to the pool on a regular daily basis. Each dosing unit is programmable to provide the optimum dose of Heatsavr and at a scheduled time most suitable for the pool concerned.

If required, dosing units can be pre-programmed before despatch.

For full programming details see operating manual.

Contents of Kit:

- Dosing unit with built in programmer
- Wall mounting plate
- Rawplugs and screws for mounting plate
- Stainless steel Injector ($\frac{1}{8}$ " BSP) with in-built non return valve.
- Suction and delivery tubes
- Bottle cap adapter and suction device
- Operating Manual

Additional items with commercial kit:

- Suction line strainer end fitting.
- Suction line weight
- Reservoir air valve
- Rubber bung
- 25 litre day and bund tanks



3 Dosing units serving 3 separate pools in Leisure complex, all fed from same day tank

Tools required:

- $\frac{11}{32}$ " Drill bit
- $\frac{1}{8}$ " BSP Tap

Injection point: The first thing to establish when installing a system is the location of the injector. This should be situated in the return pipe of the pool filtration system, downstream of the filter and at least 200 mm from any other chemical injection points.

BEFORE FITTING THE INJECTOR TURN OFF THE MAIN FILTRATION PUMP AND ISOLATE PIPEWORK IF POSSIBLE.

Drill the pool return pipe in the chosen location (ideally on a fitting where there is greater wall thickness).

Carefully tap the drilled hole and then screw in the injector using PTFE tape to ensure a good seal.

Dosing Unit: This should be sited away from any other pool chemicals, away from foot traffic and as close as possible to the Heatsavr injection point.

Do not locate outdoors or close to open flames or electrical heating elements.

Mount on a firm vertical surface as shown in the operating manual.

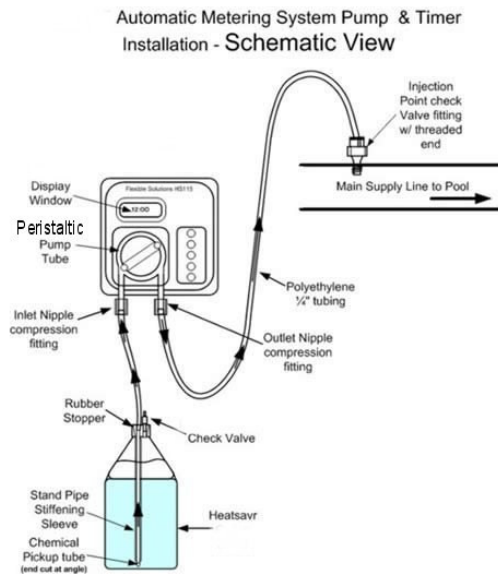
Ideally maximum lift from base of Heatsavr reservoir to pump and/or injection point should not exceed 2 metres. The standard length of delivery tube supplied with the kit is 3 metres, although additional tube is available for longer runs. If particularly long runs or higher pump pressures are required then an alternative diaphragm pump may be more suitable. Please consult Heatsaver Ltd. for advice.

Electrical: The dosing unit is supplied complete with a flying lead, and should be fitted with a standard 13 amp plug incorporating a 3 amp fuse.

If not sited sufficiently close to an existing 13 amp socket it will be necessary to arrange for an appropriate socket or fused spur to be installed.

Reservoir: For domestic and commercial pools with surface areas up to 150 m² the 4 litre containers in which Heatsavr is supplied can also be used as the reservoir. This should be stood in a plastic bucket or similar to act as a bund. For pools above 150m² a 25 litre day tank and bund is normally used.

Suction plumbing:



Connect one end of an appropriate length of the soft clear plastic tube supplied on to the suction side of the pump. **Standard Unit** - Connect the other end to the nipple on the bottle cap adaptor. Insert the suction tube into the 4 litre container and then screw on the cap adaptor. **Commercial system with 25 litre day tank** - Pass the other end through one of the holes in the rubber bung and draw sufficient tube through so that it will reach the bottom of the tank. Feed the weight over the end of the tube and attach the strainer end fitting.

Fit the air release valve into the other hole in the rubber bung and fit the bung firmly into the top of the reservoir. Ensure that the valve is fitted the correct way round to allow air to enter the reservoir.

Delivery plumbing: Connect one end of an appropriate length of the opaque plastic tube to the connector on the delivery side of the pump and the other end to the connector on the injector.

Priming: To ensure an accurate first time dose the pump and tubes require priming in order to purge out the air. This can be achieved by simultaneously pressing and holding down the up and down buttons on the dosing unit all the air in the tube has been expelled.

Programming: If not supplied pre-programmed please refer to the Heatsavr Dosing Unit Programming Sheet for setting up the clock and adjusting the dosage rate and time.

Liquid Storage: Store in original container below 40°C and above 5⁰ C in a separate place to other stored chemicals. Keep container tightly closed. Storage area should be under cover away from direct sunlight. Store away from sources of heat or ignition.

Health and Safety: Ensure that appropriate Health and Safety signs are displayed adjacent to the Heatsavr pump reservoir and the Heatsavr storage area.

Ensure that all operators have copies of and read the Material Safety Data Sheet and Heatsavr Standard Operating and Handling Procedures

Maintenance: Dosing set tube should be replaced annually.

Check time and dosing rates periodically to ensure correct operation.