



Electronic Water Conditioner

A convenient and simple to install water conditioner for the control of limescale in commercial premises

Models : These instructions cover the following two models:

1. Model No. LW10
2. Model No. LW20

Introduction

The Liff Wrappa is best installed on the Incoming mains, on pipe work supplying a particular area or appliance or on the secondary return to a calorifier.

The unit is fitted with a Test Button (red), which acts as an audible indicator for testing the electronic circuitry. Simple press the buttons to activate the audio sounder. Releasing the button will silence the audio output, leaving the unit operating as normal. The Unit is also fitted with a Volt Free lead (red & Black) for connecting to a BMS panel (power on / off status)

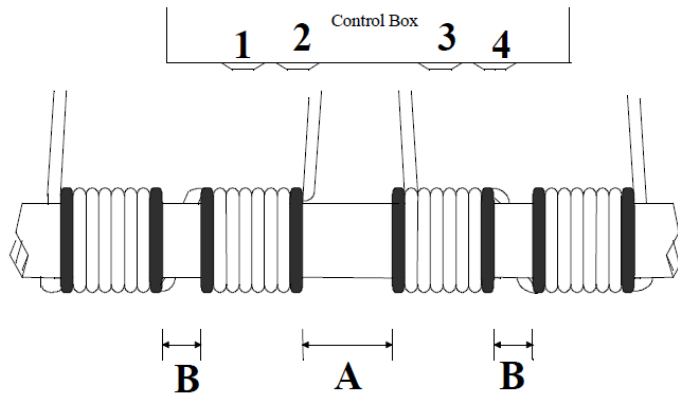
Main Benefits

- Capable of handing high flow rates.
- No plumbing or downtime
- Low running costs
- Maintenance free
- Fits pipework sizes from 76 - 108mm
- Can remove existing scale
- Fits on hot and cold water pipes
- Suitable for all pipework materials
- Water remains potable
- Non intrusive

Contents

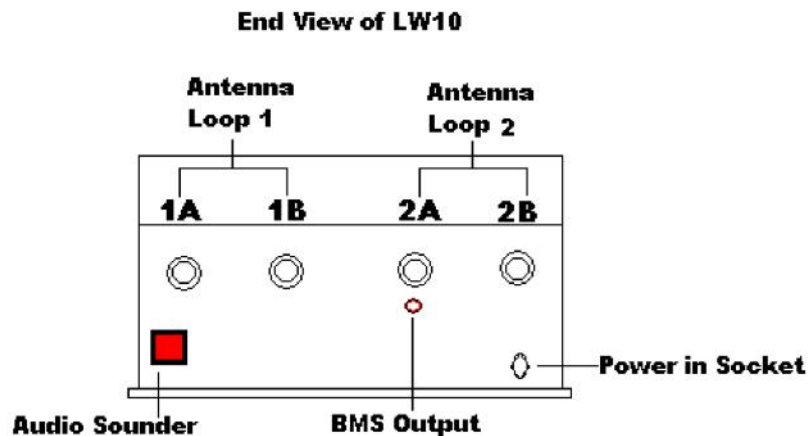
- Electronic control box
- 2 x antenna leads
- 2 cable ties

Section 1: Installing the Antenna leads



To install the unit follow the instructions below:

1. Establish the pipe size; 76mm - 108mm
2. Wrap this antenna lead around the pipe as per the photograph above (6 turns of wire)
3. Distance 'A' needs to be approximately 30mm; distance 'B' needs to be approximately 10mm
4. Take one of the white leads and insert one of the plugs into the control box socket marked **1A** on the Antenna loop 1 as shown below.
5. Using the cable ties supplied, secure the leads in place
6. Insert the opposite end of the lead into the control box socket marked **1B** on the Antenna loop 1.
7. Take the remaining white Lead and insert one of the plugs into the control box socket marked **2A** on the antenna loop 2
8. Repeat steps 4 to 6 inserting the lead into socket **2B** on the antenna loop



Section 2: Installing the Control Box

8. Fix the Wrappa control box in a suitable position within the required distance from the pipe. (It may be easier to complete this by first removing the white leads having marked out an appropriate position for the control box).
9. The Transformer is to be inserted into the socket provided on the control box and plugged into a fused 5amp switched plug socket supplying a single phase, 230v and 50hz supply.
10. Switch on the power.
11. Program the unit to the pipe size as follows (NB the program button is located at the point indicated by the arrow labelled “program Select Button” on the front face of the Wrappa).

Press the button once for 76mm (1 light)

Press the button four times for 108mm (4 lights)

Section 3: Operational Notes.

Note:

- Leave the unit switched on at all times.
- When the unit is in service the lights will flash in a rotary manner, this indicates that the unit is functioning correctly.
- In the event of an electrical fault, only one light will be illuminated in which case the unit should be switched off.
- Following a power cut, the settings made by the user will be maintained when the power is restored.
- Install in accordance with all appropriate building, water and electrical regulations.
- The LW20 is designed for indoor use only. This unit must not be submerged in water and must be installed in a dry environment.
- The LW20 needs to be installed to a 5 amp fused, 230v (50hz) supply.
- The spur must incorporate a switch to enable maintenance or repair of the equipment.
- The plug must be connected to a supply with a means of disconnection, which must incorporate a gap of at least 3mm.
- • When the unit is connected to the power supply, a switched method of isolating the unit (double pole fused switch) must be accessible to the user

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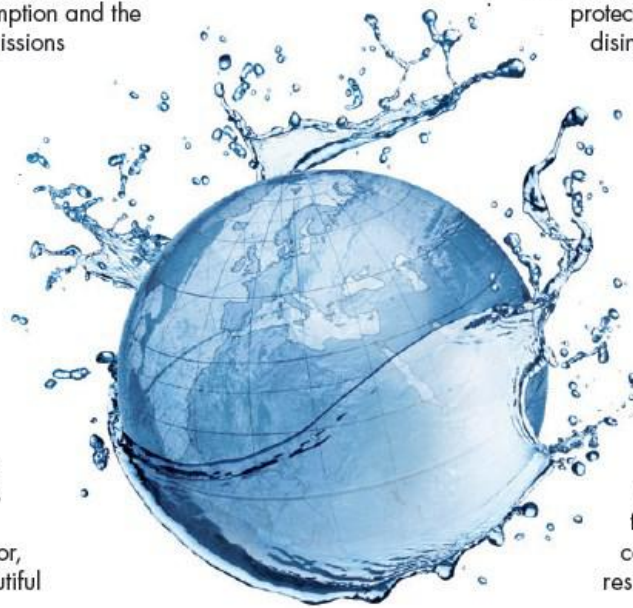
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Using state-of-the-art methods, our Research & Development teams are constantly working on new processes and materials to create products which are both ecological and economical. Collectively, the BWT group work towards reducing products' energy consumption and the resulting minimisation of CO2 emissions for a more sustainable future. BWT UK operate in a wide variety of different sectors, meaning that you are never far from a company or building using a BWT product. BWT helps fulfil the water treatment requirements for homes, offices, buildings, schools, industry, hospitals and catering and hospitality facilities.

With a high build quality, BWT continue to prove their superiority in providing all your water needs, whether it is providing ultrapure water for the pharmaceutical sector, luxury water for the home or beautiful

drinking water. BWT makes products that treat water, making it safer, cleaner and more pleasant to enjoy.

BWT's wide-ranging innovations guarantee maximum safety, hygiene and health in the daily use of water – our precious elixir of life. Innovations include SEPTRON® - the world's first electrodeionisation module (EDI), manganese oxide activation (MDA) – a method for effective manganese removal, AQA total bipolar technology for chemical-free limescale protection, SANISAL – the world's first disinfectant regeneration salt for water softening systems, and the new, revolutionary Mg2+ technology which improves the taste of filtered water, coffee and tea.



BWT – For You and Planet Blue - our overall mission is to encapsulate the philosophy of working as ecologically, economically and socially responsible as possible, and providing our customers and partners with the best products, systems, technologies and services in all areas of water treatment whilst making a valuable contribution in preserving global resources of our blue planet.

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