

FlowMark Model Mark-II-SC Installation Operation Manual

EPA Est.#: 92852-FL-1

Record Information About Your System

Date Purchased: _____

Date Installed: _____

Serial Number: _____

Local Representative: _____

For assistance please call your local representative or call (386)453-5091

Check Contents:

Please inspect the package for the following contents and any damage that may have occurred during shipping.

1. FlowMark Controller
2. Treatment Pads
3. Cable Tie Wraps
4. PVC Pipe Cover
5. Weather Stripping
6. Installation Manual
7. Warranty Card



Power Requirement

All FlowMark Systems are fitted with a auto-switching power supply that can accept 110VAC or 220 VAC power input. Systems are supplied with a molded 110 VAC Power Cord that can be plugged in to any 110 VAC wall outlet. If you choose to run the unit on 220 VAC simply cut the male plug off the power cord and wire the three wires accordingly:

White: Hot Leg

Black: Hot Leg

Green: Ground

Choosing The Correct Treatment Location

Municipal Potable Water Treatment: Install after the water meter on the cold water inlet to the building.

Well Potable Water Treatment: Install on the pipe exiting the pressure tank.

Water Softener Pre-Treatment: Install a minimum of 5 feet ahead of the softener.

Single pass Process Treatment: Install at least 5 feet up stream of the process to be protected from scaling.

Re-Circulating Systems: Install after the circulation pump. Minimum 4 times the pipe diameter after the pump. Example: (3" pipe = minimum 12" after the pump).

*****Note:** It is always better to choose an area of laminar flow when selecting the treatment location. When possible avoid installing at elbows, T's, before pumps, etc.

*****Warning:** The FlowMark treatment pads may interfere with magnetic flow-meter operation. Maintain a minimum of 5 feet clearance from magnetic flow-meter pick-up.

3 Year Limited Warranty:

ELECTRONIC CONTROLLER: FlowMark Water Treatment, LLC warrants this water treatment device to the original purchaser against defective parts and workmanship for a period of (3) three years from the end user purchase date according to the following schedule: The Electronic Water Treatment Device will be repaired or replaced (at our option) free of charge during the full 3 year term.

EXCLUSION: This warranty does not apply to lightning damage, flood damage, abuse or improper installation. This warranty is limited to repair or replacement and does not include consequential damage or installation expenses and is in lieu of any and all other warranties, either expressed or implied. This warranty gives you specific rights and you may have other rights which vary from state to state.

NOTE: Warranty void if holes are drilled into the FlowMark enclosure.

Warranty void if signal cables are shortened or lengthened without factory approval.

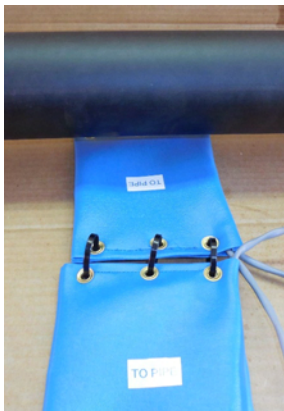
Warranty void if induction pad material is cut or opened for any reason.

Installing Your FlowMark Treatment Pads:

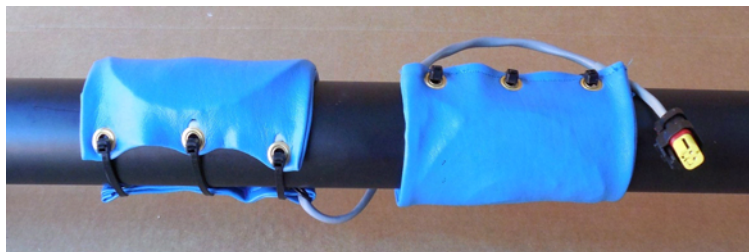
The treatment pads can be installed on horizontal or vertical piping.

Two treatment pads are included with this model FlowMark system. The dimensions of the pads are too large to use an opposing install on 2" pipe but may be installed opposing each other on 3" pipe. Position the pads with the sides marked "To Pipe" toward the pipe for either opposing or offset style installation.

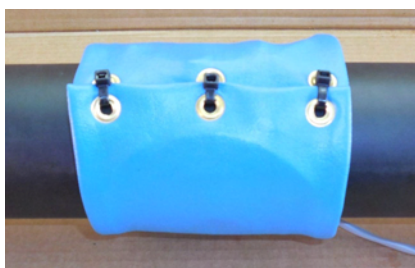
1. Form the shape of the treatment pad to the pipe shape by squeezing the pad with both hands into the position you have selected
2. Use cable ties provided to secure the pads to the pipe. Do not over tighten ties.



Labels Face Toward Pipe



2" pipe install



3" pipe install

Installing the Pipe Cover:

The white PVC pipe cover with the FlowMark label is included to provide a finished look to the installation.

1. Hold the pipe cover up to the area where the treatment pads have been installed and mark the pipe where the ends will be.
2. Install one piece of weather stripping around the pipe inside the lines just marked on the pipe.
3. Open the pipe cover and install it over your treatment pad installation with the label facing you.
4. Remove adhesive strip from the pipe cover to seal the installation.

Note: It may be difficult to hold the pipe cover open using two hands due to the strong memory of the product. A second person helping will make it much easier.



Install Weather Stripping Same Length as Pipe Cover



Tighten Pipe Cover for Snug Fit, Remove Tape and then Seal



Finished Reaction Pad and Pipe Cover Install

Mounting the Control Panel:

Choose a solid wall for mounting the control panel within 10 feet of the treatment pad location.

Use lag bolts or tap cons and secure four mounting brackets to the wall.



Connecting and Powering the Unit:

Connect the signal cable to the treatment pad installation by inserting the male connector into the female connector. Push together until a click is heard to lock the connector.

Be sure to neatly route the signal cable between the Controller and the Treatment Pads to avoid damage.

Plug the FlowMark Controller into a 110 VAC outlet and observe the yellow and blue lights.

YELLOW LIGHT ON= Power to the Controller

BLUE LIGHT ON = Treatment Active.

Trouble Shooting

Both Yellow and Blue Lights OFF... Check GFI or Circuit Breaker and reset.

Yellow Light ON and Blue Light OFF... Check signal cable connection or find damage to signal cable and repair.

Things to Look For:

In addition to preventing mineral scale formation the FlowMark system may cause existing mineral scale to loosen over time and fall off. Strainers or screens in the system could become blocked due to accumulation of this loosened material. Check strainers and screens bi-monthly during the first two months of operation and clean as necessary. Flushing water heater tanks and other vessels in the system will also help rid loosened scale and prevent clogging.