

FlowMark Model Mark-III-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. Coil Cable Extension
4. Cable Tie Wraps
5. PVC Pipe Cover
6. Weather Stripping
7. Installation Manual

Power Requirement

All FlowMark Systems are fitted with a auto-switching power supply that can accept 100 to 240 VAC power input. Systems are supplied with a molded 120 VAC Power Cord that can be plugged in to any 120 VAC wall outlet. If you choose to hard wire the unit 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.

Installing Your FlowMark Treatment Pads on 6 Inch Pipe:

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

Two treatment pads are included with this model FlowMark system.

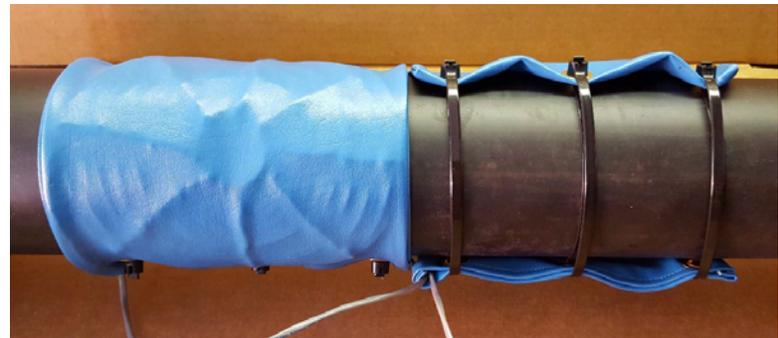
1. One side of each Treatment Pad is marked "To Pipe". This side should be placed toward the pipe to be treated.
2. The Treatment Pads should be installed opposing each other by connecting the grommets of one pad to the grommets of the other pad as seen in the photo below.
3. Form the shape of the treatment pad to the pipe shape by squeezing the pad with both hands into the position you have selected.
4. Insert cable ties through the grommets at each end of the pad.
5. Gradually tighten the cable ties to hold the treatment pad firmly in place. Do not over tighten the cable ties.



Install Treatment Pads Opposing Each Other with labels "To Pipe" facing the pipe.

Installing the Treatment Pads on 4" Pipe Application

The treatment pads are too large to form a tight fit on 4" pipe. Follow the photo instructions below for 4" pipe diameter off-set pad installation.



Install the pads side by side with "TO PIPE" label facing the pipe.

Installing the Pipe Cover:

The white PVC pipe cover with the FlowMark label is included to provide a finished look to the installation and to protect the pads from ultraviolet light exposure.

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: You may experience difficulty installing the pipe cover. A second person holding the cover tightly in place helps as the other person removes the adhesive strip and seals the installation.



Install treatment pads opposing each other using 6 cable ties provided. Mark the pipe and install weather stripping.

Install pipe cover and tighten into place. Remove adhesive strip and secure installation.



Finished treatment pad and cover installation.

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 connectors 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.

Turn ON the circuit breaker switch inside the controller and observe the 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.