



BioStim, LLC
 111 Staffel
 Boerne, TX 78006
 Phone (800) 338-8812
 www.biostim.com



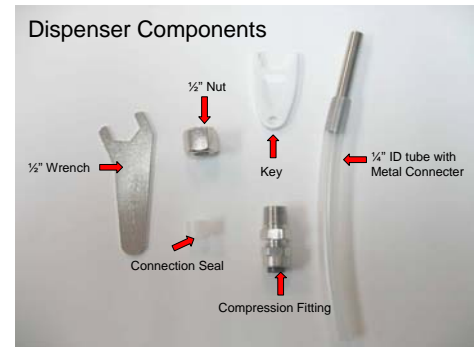
KBMD MICRODRIP™

(Patent Pending)

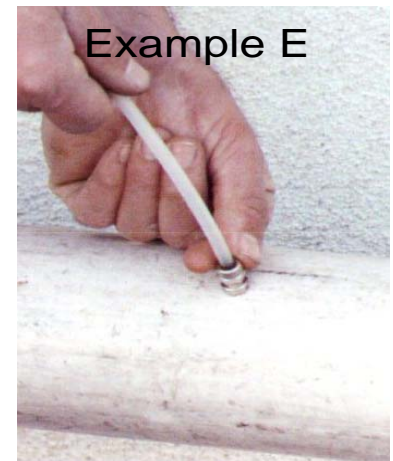
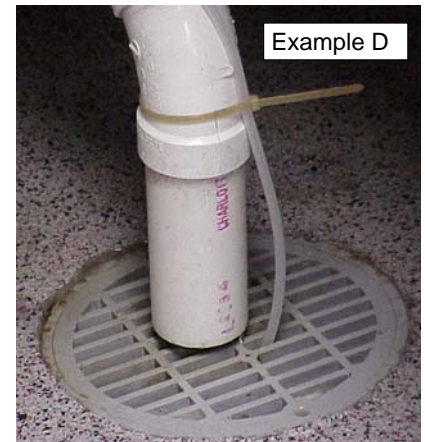
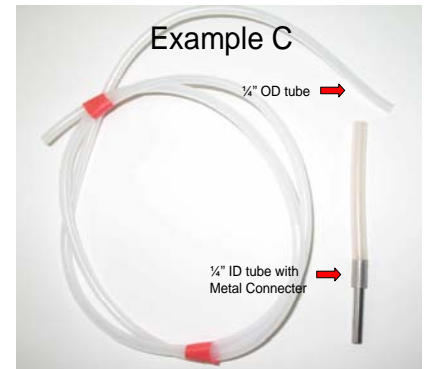
For use in food service facility drain lines, professionally serviced residential drain lines, and other appropriate drain lines. The *MicroDrip* injects one dose every 15 minutes to provide a consistent microbial coating of the treated drain line to maximize microbial effectiveness. For use with the *MicroDrip Dispenser* (dispenser is 4 3/4" wide x 8 1/2" high x 3 1/2" deep).

Instructions:

1. Mount the *MicroDrip Dispenser*. (Leave 5" of clearance to open door)
 - Open door with key (attached to back of dispenser).
 - Use mounting hole(s) to mark spot for drilling.
 - Drill 3/16" hole(s). Note: use a ceramic drill bit on tile.
 - Insert wall anchors.
 - Screw dispenser to wall.
2. Install the drip tube.
 - Attach the drip tube to the dispenser.
 - a) Place 1/2" nut over metal connector.
 - b) Push connection seal over metal connector (Example A)
 - c) Push metal connector into bottom of dispenser completely (Example B)
 - d) Tighten with 1/2" wrench.
 - Cut soft 1/4" ID tube in half to prevent line from kinking.
 - Push 1/4" OD into 1/4" ID tube leaving approx. 1". (Example C)
 - Determine the length of 1/4" OD tubing needed and cut tube.
 - Airgap drain installation. (Example D)
 - a) Run drip tube directly into floor drain and secure to drain cover with plastic zip fastener.
 - b) To ensure tube is not a trip hazard, secure tube to floor with duct tape.
 - Standard drain line installation. (Example E or see installation video)
 - a) Identify the injection point. It is best to inject after the P-trap on this type of installation.
 - b) Drill a 5/16" hole into the drain line at a downward angle.
 - c) Using a 1/8" NPT tap, thread the hole with a socket wrench.
 - d) Using an open end wrench, screw in the base of the feeder line compression fitting.
 - e) Slide the compression cap over the drip tube.
 - f) Fit the tube into the fitting base, slide the compression cap down the tube and hand tighten.
 - g) Using a crescent or open end wrench, hold the fitting base. Using another wrench, tighten fitting enough so that the tube will not be pulled out of the compression cap.
 - h) Use plastic zip fasteners to secure drip tube to pipe, ensure that the tube is clear of the floor and not attached to a hot water pipe.
 - Anchor the drip tube.
 - a) Drill holes and insert wall anchors with P clips.
 - b) Run drip tube through P clips and screw into position.
3. Operating the dispenser.
 - Open the dispenser using key provided.
 - Place ON/OFF switch to OFF position.
 - Insert 2 C-Cell alkaline batteries.



- Fill *MicroDrip* cartridge. (DO NOT add water until ready to install: cartridge may leak)
 - a) Remove adhesive tab from top of cartridge—Keep adhesive tab for step c).
 - b) Fill with tepid tap water.
 - c) Replace adhesive tab.
 - d) Gently shake cartridge to dissolve microbial formula.
 - Insert *MicroDrip* cartridge into dispenser by aligning the actuator tip inside the dispensing tube.
 - Position the collar of the cartridge into the bracket of the dispenser (Example F). Gently press into place.
 - Turn ON/OFF switch to ON. Pump will activate within 10 seconds.
 - Close cover.
 - Dispenser will operate per specified cycle 24/7.
 - Replace *MicroDrip* cartridge monthly.
4. Monthly Service (Changing Cartridges)
- Fill *MicroDrip* refill cartridge. (DO NOT add water until ready to install: cartridge may leak)
 - a) Remove adhesive tab from top of cartridge—Keep adhesive tab for step c).
 - b) Fill with tepid tap water.
 - c) Replace adhesive tab.
 - d) Gently shake cartridge to dissolve microbial formula.
 - Turn dispenser ON/OFF switch to OFF.
 - a) Before changing cartridge, pinch ¼" ID tube to prevent all material in tube from releasing to drain.
 - b) Place the cartridge into the dispenser by aligning the actuator tip inside the dispensing tube.
 - c) Position the collar of the cartridge into the bracket of the dispenser. Gently press into place.
 - d) Turn dispenser ON/OFF switch to ON.
5. As with all injection systems it is recommended that the tubing be monitored for buildup and replaced as needed.



Placement Considerations:

To avoid water damage and possible malfunction, the *MicroDrip* units should be installed outside splash zones. In order for the *MicroDrip* units to achieve optimal results, they should be installed in drain lines with consistent water flow to enhance the delivery of the microbial formula. Since *MicroDrip Drain Line Formula* is so heavily concentrated, the amount dispersed every 15 minutes does not contain enough water to travel down the line via gravity alone. Additional force is applied with natural water use, which increases the treatment area.

When installing *MicroDrip* units in three-compartment sinks, ideal placement depends on the main concern. If foul odors in the indoor grease interceptor are the main cause of concern, install the *MicroDrip* before the indoor grease interceptor. If buildup in drain lines is the main cause of concern, the *MicroDrip* should be installed after the indoor grease interceptor. If both the interceptor and the drain lines are significant concerns, install the *MicroDrip* after the interceptor, and supplement the three-compartment sink drain with a monthly *Drain Relief Pill*. Follow the standard *Drain Relief Pill* instructions.

The *MicroDrip* should also be installed either before or after the p-trap to treat other grease sources such as: food preparation sinks, garbage disposals, and dishwashers with water temperatures below 140 degrees. Water temperatures above 140 degrees will keep the line clear for 10 ft and do not require treatment.

More information available at www.microdrip.com and www.biostim.com.
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