

CRM Series Biotrap™ Applicator Model 403

INSTALLATION INSTRUCTIONS

GENERAL:

Model 403 Automatic Wick Applicator provides uncomplicated chemical dosing and comprehensive monitoring for sewer drains when installed per manufacturer's recommendations. Fastening techniques used to secure the appliance to existing plumbing will be discussed in detail in a following paragraph. For now, please acquaint yourself with the proper orientation of the installed device. See Figure 1.

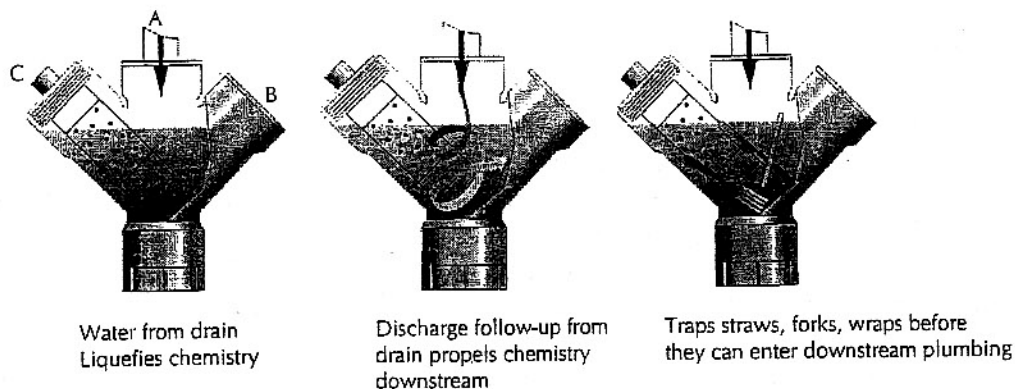


Figure 1.

As depicted, discharge from the sink enters the top of the Biotrap series at Point A and exits at Point B. Installed in the upright position, the Biotrap is designed to hold approximately 48 ounces of water once discharge from sink stops. This retained water is used to liquify more chemical from the chemical probe (Point C) through capillary action.

IMPORTANT: Never position this device under sinks used for sanitation. Displacing the retained water with pure sanitizer destroys the chemical process and efficiency of the appliance. Always position Biotrap applicators beneath wash or rinse basins.

Many plumbing constrictions are caused by wraps, towels, etc. Installed underneath the sink in lieu of the traditional "pea trap," the Biotrap captures these materials before they reach vulnerable downstream lines. Removal of this material is facilitated by simply removing the probe assembly and extracting any foreign materials from unit.

SPECIFIC PLUMBING RECOMMENDATIONS

1. The Biotrap applicator is constructed for 2" plumbing. Because some locations employ 1½" plumbing, two adaptors are enclosed with each unit. If the facility is equipped with 1½" plumbing, affix these adaptors into the inlet and outlet (Points A and B) with approved PVC adhesive prior to positioning unit under sink basin. Cut two PVC short nipples and install these into 1½" adaptors.
2. Next, disconnect existing "pea trap" or, using a saw, cut out discharge line from sink basin allowing Biotrap to sit firmly on the floor. See Figure 2 for detailed dimensional information.

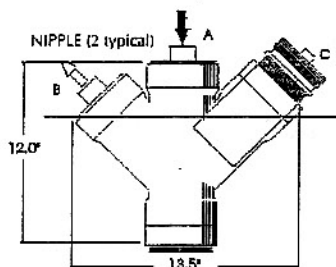


Figure 2.

3. Using flexible couplings, connect Biotrap inlet with sink basin discharge line (Point A) and (Point B). Be sure to tighten hose clamps around the flexible fittings to create a watertight seal. NOTE: If possible, always make connection to downstream plumbing (Point B) on the same level or beneath the level of the Biotrap discharge port. This will minimize water retention in the unit and guard against spillage when the probe assembly is removed for recharging.

CHEMICAL CHARGING

The Biotrap series uses prepackaged chemical inserts (product code #SB40). These chemical charges are packed 16 per container and are sealed individually in water soluble film. The chemical probe assembly is shipped loose in the box with the body of the unit. Notice the 2" pipe cap that fits over probe end. Remove this cap by grasping the probe assembly with one hand, and with the other hand in a twisting motion, pull off pipe cap. With cap removed, a single chemical insert can be placed inside the probe. Replace pipe cap. The probe assembly is charged and ready to thread into the "Y" body of the unit.

Each chemical insert is designed to provide 30 days' dosing for a water stream equipped with a 1,000 gallon waste trap. At the end of the 30-day period, the operator may find residual chemistry inside the probe. This material is simply inert, non-active carrier that has been exhausted. Rinse probe free of the residual and insert new chemical charge. To insure uniform chemical release, always wash gray blanket that wraps around probe body. This will help eliminate wick "blinding" caused by materials collected from the stream. Wash with soap or detergent and rinse. Rewrap around probe assembly and secure with elastic bands. Rethread assembly into Biotrap "Y" body. A green tag is shipped with each unit. This tag is printed with a twelve-month calendar. To insure the appliance is receiving regular maintenance, always punch the month service occurred.

Chemical neutralization of the waste occurs in the large waste trap. After repeated charging of the system with SB40, water within the waste trap will become more acidic. This can slow chemical action. The manufacturer recommends that once a quarter, an application of sodium bicarbonate (baking soda) be administered to keep waste trap pH at or near neutral to facilitate maximum chemical efficiency. Three to four pounds sodium bicarbonate mixed with two gallons of tap water will be required for the typical 1,000 gallon system. Call your WMT representative for additional information.

WMT

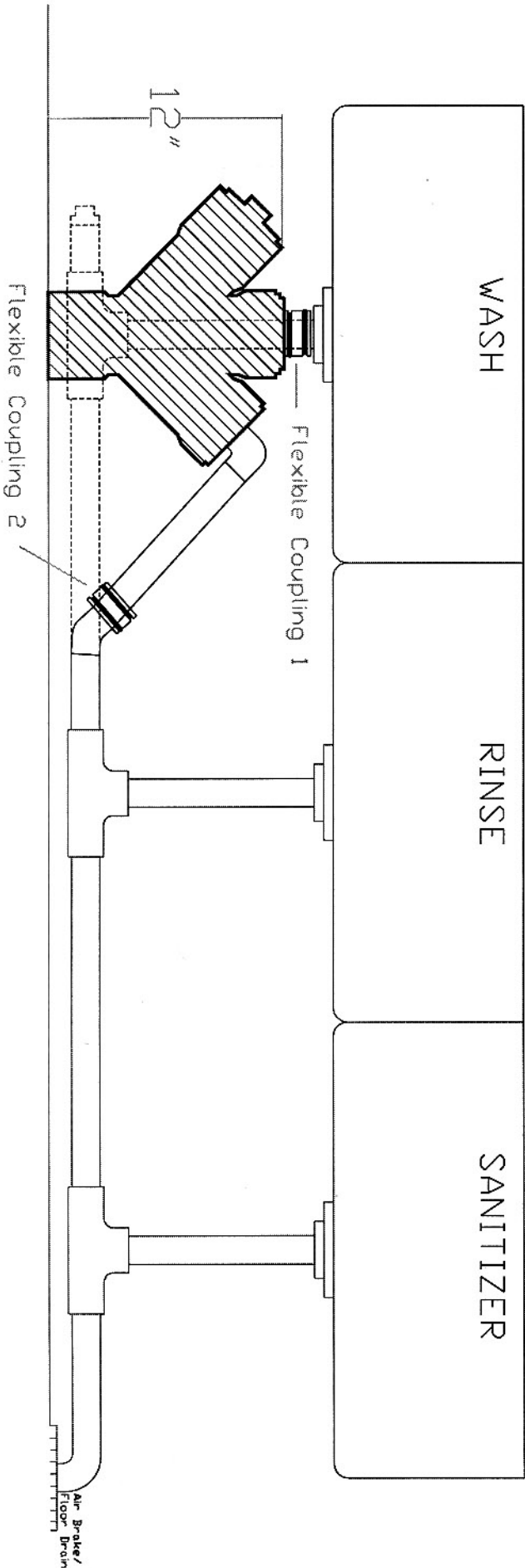
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Undersink CRM Installation

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