

Designed to introduce Micromet Treatment for controlling lime scale formation, corrosion or red iron staining in well-water systems. Holds three pounds of Micromet and can treat up to 300 gallons of water per day for corrosion and red iron water and up to 600 gallons per day when lime scale is the problem.

## Features

- Can handle flow rates up to 8 gpm
- Equipped with 3/4" FPT connections
- Built in pressure relief valve
- Low pressure drop - 2.5 psi at 5 gpm and 6 psi at 10 gpm
- No tools required for recharging
- Holds up to 3 lbs. (48 ounces) of Micromet Crystals

## Micromet Crystals

A slowly soluble food-grade polyphosphate that is effective in controlling corrosion, inhibiting lime scale formation and stabilizing dissolved iron to eliminate "red water." Micromet Crystals dissolve at the rate of about 25% per month. The initial charge should be 1 lb. of Micromet per 100 gallons of water used per day for corrosion and red iron control and 1 lb. per every 200 gallons of water for scale control. Feeder must be recharged to its original fill level each month. Product is NSF certified.

## Where to install the Feeder

To prevent red iron water with Micromet Crystals, the Feeder should be installed before the pressure tank. On deep well pump installations there should be a check valve in the main line between the feeder and the pump. To inhibit lime scale or control corrosion, the Feeder should be installed on the cold water inlet line to the equipment to be treated. If put before a water heater, place far enough away so no hot water will back up into the feeder. Flow should be up through feeder.

## Instructions for Installing

1. Feeder should be installed in a convenient position where it may be refilled easily.
2. The feeder should be connected on a bypass as shown in Figure 1. On pump installations there should be a check valve at "D" in main line before feeder.

## Water Treatment

### No. 4M Micromet Feeder



3. A valve must be placed between the feeder inlet and outlet connections at "A" to force a portion of the water through the feeder to carry the Micromet Treatment into the system.
4. Valves at "B" and "C" are necessary to shut off the feeder when recharging or draining.
5. After installation is complete and tested for leaks, close valves "B" and "C". Depress pressure relief valve, relieving pressure from feeder. Disconnect body from feeder head and pour out water.
6. Fill body with recommended amount of Micromet. Screw body back onto feeder head, making sure it is snug to head: **do not over tighten**. Be sure the "O" ring as well as head are clean and free of any crystals or phosphate dust.
7. Partially open valves at "B" and "C" allowing water to fill sump, depress pressure relief valve allowing air to be purged from feeder.
8. With feeder full of water, open wide both valves at "B" and "C".
9. With the water turned on so it is being used at the maximum rate, valve "A" should be partially closed until a fairly good flow of water is obtained up through the feeder. Proper flow is obtained when there is a small movement of crystals at the top of the Micromet bed.

## Instructions for Refilling

1. Close both valves "B" and "C".
2. Depress pressure relief valve, relieving pressure from feeder. Disconnect body and pour out remaining water. Add recommended amount of crystals (25% of initial charge if using Micromet Crystals) (discard all crystals and replace with new crystals if using 6R Micromet). Screw body back onto feeder head making sure it is snug to head; **do not over tighten**. Once again, insure threads and "O" ring are clean.
3. Partially open valves at "B" and "C" allowing water to fill body; depress pressure relief valve allowing air to be purged from the feeder. Repeat steps #8 and #9 from installation instructions above.
4. Check feeder occasionally while water is passing through line to make sure that proper flow is obtained up through the bed of Micromet.
5. Some waters, especially well waters, may tend to clog the bed of Micromet. Thus it is highly desirable to loosen the Micromet each time the feeder is recharged. This should be done by stirring the whole bed of Micromet with a clean spoon or similar sanitary instrument.

## Important Notes

Do not install feeder where water temperature is over 100°F or where hot water may back up the feeder.

Do not install where pressure is over 100 psi.

Do not use this feeder to feed other chemicals.

Feeder should be protected from freezing and from hot sun.

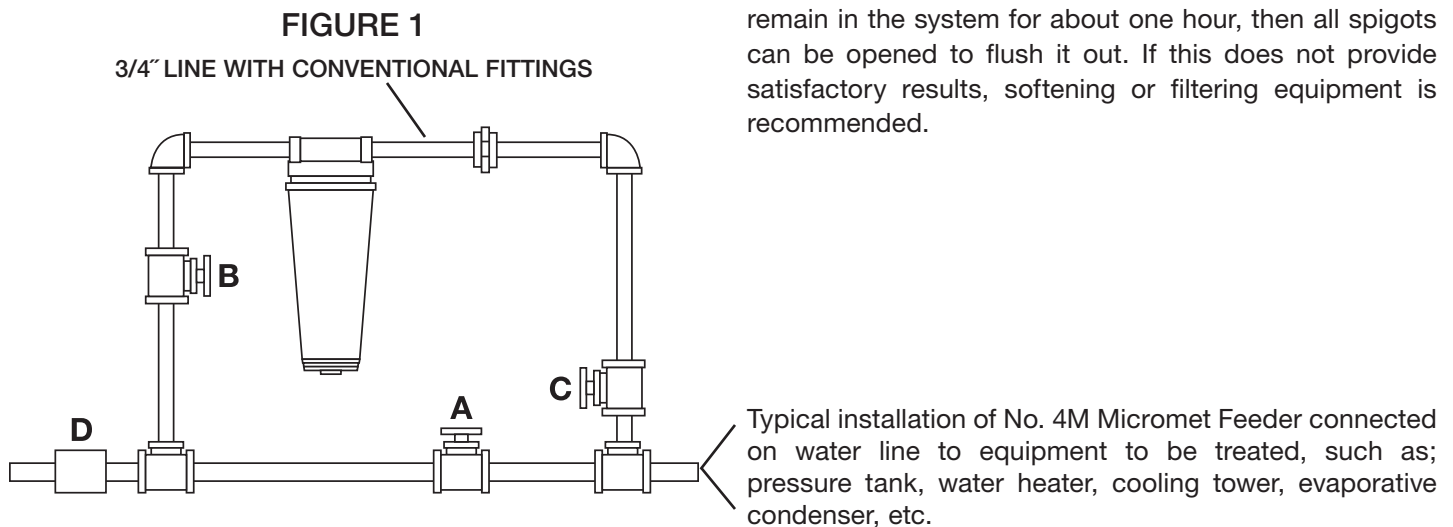
When leaving premises for a few days or when feeder is not in use, drain all water from unit.

Keep threads clean at sump and lid connection. Lid is equipped with a pressure relief valve. Open valve when ever feeder is shut off and close only after feeder is turned on and all air is out of feeder.

To prevent red water feeder must be installed *before* pressure tank.

When iron bacteria are present, you cannot expect to get completely satisfactory results with Micromet Treatment. For best results the iron should be removed from the water. The presence of iron bacteria is indicated when there is a slimy red growth on the inside of the commode flush tank.

Should iron bacteria be discovered after the Micromet feeder is installed it may be helpful to chlorinate the system periodically. This is done by putting about a 1/2 cup of laundry bleach containing about 5% hypochlorite, available at any grocery store, into the feeder once a month or so and opening all spigots one at a time until a faint odor of chlorine is detected. The chlorine should remain in the system for about one hour, then all spigots can be opened to flush it out. If this does not provide satisfactory results, softening or filtering equipment is recommended.



A - CONTROL VALVE

B & C - SHUTOFF VALVE

D - CHECK VALVE (NECESSARY ONLY ON DEEP WELL PUMP INSTALLATIONS)

