



# HYDRANTS

## INSTALLATION INSTRUCTIONS FOR HYDRANT M-ESH175

Prepare trench for water-supply line. Below hydrant location, prepare hole to trench depth and large enough for a person to work. Lay water-supply line into trench, allowing extra line length to be trimmed during hook-up. If required, lay in drain line also.

Install hydrant fully assembled as shipped. Position hydrant at desired location. Brace hydrant by laying two boards across hole and under hydrant base, one on either side. To ensure plumb installation, place a bubble level against hydrant and adjust bracing boards until unit is plumb.

Purge water-supply line to remove any in-line debris. Connect water-supply line, trimming line length as necessary. Wrap bottom drain opening with filter fabric and place a minimum of three cubic feet (0.085 cubic meters) of large round rock under drain opening. Check local codes. Local soil conditions may require more rock for drainage and/or a modified French drain or dry well. Drain water should not be allowed to "puddle" under the hydrant bottom connection.

Back-fill trench and hole. Compact back-filled earth. Remove bracing boards.

If concrete slab is desired, prepare hole surrounding hydrant to accommodate concrete slab. Spread and compact gravel as necessary. Pour concrete up to bottom of hydrant base. Finish concrete as necessary.

## MAINTENANCE INSTRUCTIONS

All normal maintenance is done from above grade. Washers should normally be replaced annually. Remove smaller top cover and shut off hydrant. Remove handle and large cover. Unscrew and remove nozzle from stirrup and tee, taking care to catch slide. Take hold of stirrup and tee, and raise supply line assembly out of outer housing.

At bottom of supply-line assembly, unscrew packing ring from valve body and remove ring washer and cup washer. Remove seat-washer screw and seat washer. Replace seat washer. Replace cup and ring washers, and screw packing ring into valve body. **DO NOT OVERTIGHTEN.** A small amount of food-grade lubricant applied to the new washers will ease reassembly.

Lower supply-line assembly into housing. As stirrup and tee approaches top of housing, lower assembly carefully to ensure that valve body seats properly over valve stem.

Ensure that opening in tee is oriented toward opening in housing. Apply pipe joint compound to threaded end of nozzle, insert through slide and opening in housing, and screw nozzle into tee. Tighten nozzle, making certain that nozzle outlet is oriented downward. Do not over-tighten nozzle locknut or binding will occur.

Install spring over stirrup and tee, and replace top over spring. Fasten cover screws. Replace handle, making certain that nub on handle engages stirrup properly.

