



HYDRANTS

Post Hydrant

MODEL M-175

3/4" FREEZE RESISTANT,
COMPRESSION-TYPE POST HYDRANT

STANDARD FEATURES

Model M-175 delivers year-round service outside or in unheated buildings. To provide freeze resistant functionality, the control valve is located below the frost line. The spring-loaded handle raises and lowers the internal supply line assembly, controlling the valve. The internal supply column is evacuated through drainage ports in the bottom. The hydrant must be operated fully "on."

SUGGESTED SPECIFICATIONS

Hydrant shall be Murdock-Super Secur model M-175. Unit shall be capable of year-round use in freezing weather.

Unit shall extend below grade level so that centerline of supply inlet is positioned at or below frost line. Inlet shall have union connection.

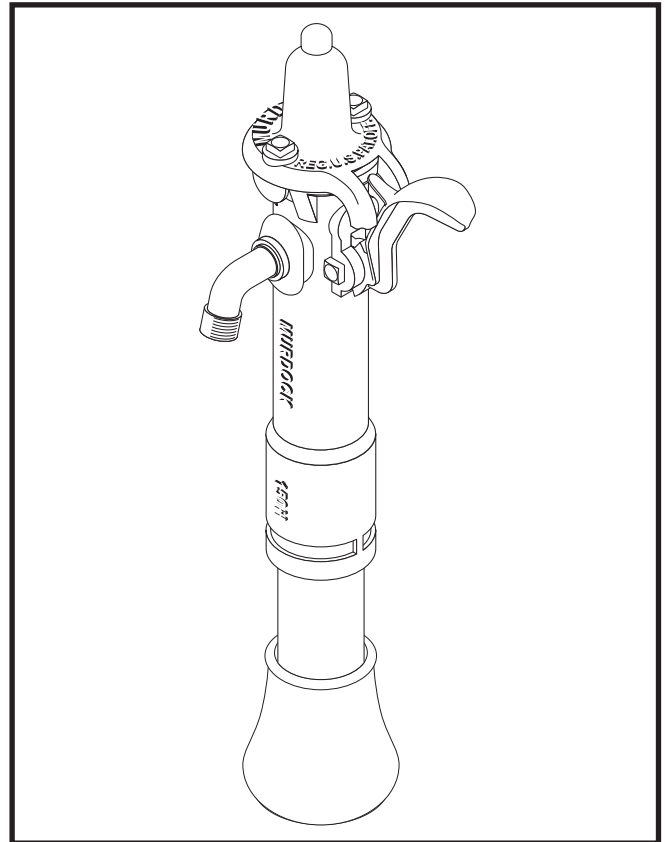
Water shall be gravity-evacuated from inner supply column when valve is shut off.

Valve shall be operated by lever handle spring-loaded for closure. Stock, top and base shall be fabricated of heavy, one-piece iron castings finished with a heavy grade of oil-based green enamel. Handle shall be an aluminum-bronze casting.

Inner supply assembly shall incorporate solid-brass castings. All solid-brass castings shall conform to ASTM standards B61 and B62. Lead-free castings are used in all waterways.

Outer casing and inner supply line shall be galvanized-steel pipe, finished with a heavy grade of oil based green enamel.

Nozzle shall be solid brass casting, threaded for 3/4" hose connection.



☐ **Standard Model:** M-175

DEPTH OF BURY (additional costs may be incurred)

- | | |
|---|---|
| <input type="checkbox"/> 2 ft. (61 cm) | <input type="checkbox"/> 5 ft. (152.4 cm) |
| <input type="checkbox"/> 3 ft. (91.4 cm) | <input type="checkbox"/> 6 ft. (182.9 cm) |
| <input type="checkbox"/> 4 ft. (121.9 cm) | <input type="checkbox"/> Other |

OPTIONS (additional costs may be incurred)

- | | |
|--------------------------------|---|
| <input type="checkbox"/> - BFH | Double ball check valve and vacuum breaker* |
| <input type="checkbox"/> - VB | Vacuum breaker |
| <input type="checkbox"/> - R01 | Shut off valve with plate* |
| <input type="checkbox"/> | Plain end spout |
| <input type="checkbox"/> | Sewer drain connection |

* See separate option sheets

Please visit www.murdockmfg.com
for most current specifications.

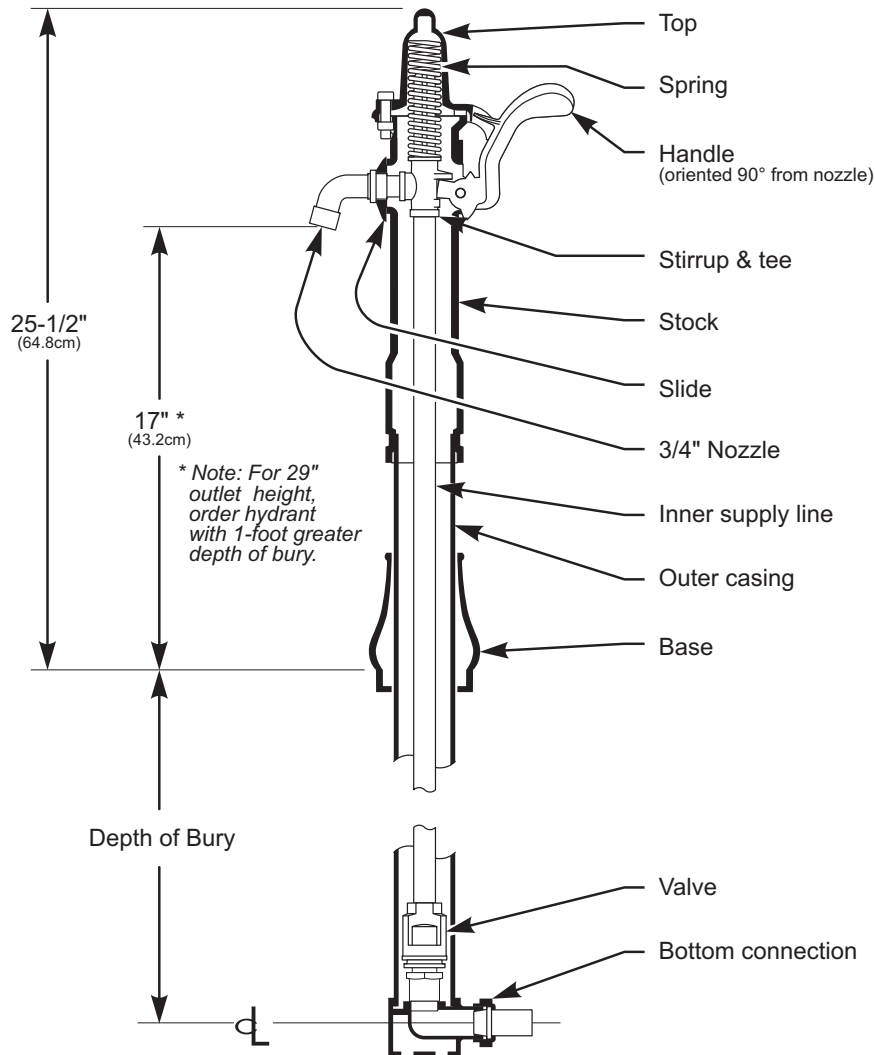
MURDOCK MFG. • 15125 Proctor Avenue • City of Industry, CA 91746 USA
Phone 800-453-7465 or 626-333-2543 • Fax 626-855-4860 • www.murdockmfg.com

Member of
MORRIS GROUP
INTERNATIONAL



HYDRANTS

Post Hydrant MODEL M-175 1" FREEZE RESISTANT, COMPRESSION-TYPE POST HYDRANT



ONE YEAR LIMITED WARRANTY - Parts are warranted for one (1) year from date of shipment.

SELECTION SUMMARY & APPROVAL FOR MANUFACTURING

All dimensions are subject to manufactures tolerance of plus or minus 1/8" nominal and subject to change without notice. Murdock Mfg. assumes no responsibility for use of void or superseded data. Dimensions may change with the addition of optional accessories. Murdock Mfg.™, Member of Morris Group International™. Please visit www.Murdockmfg.com for most current specifications.

Model Numbers & Options _____ Quantity _____

Company _____ Date _____

Contact _____ Title _____

Approval for Manufacturing/Signature _____

MURDOCK MFG. • 15125 Proctor Avenue • City of Industry, CA 91746 USA
Phone 800-453-7465 or 626-333-2543 • Fax 626-855-4860 • www.murdockmfg.com

Member of
MORRIS GROUP
INTERNATIONAL



HYDRANTS

INSTALLATION INSTRUCTIONS FOR HYDRANT M-175

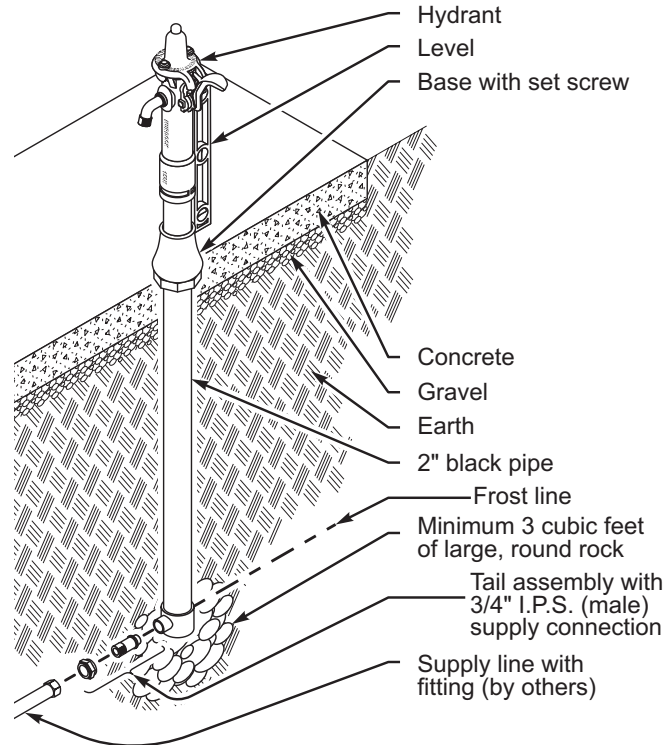
Prepare trench for water-supply line. Below hydrant location, prepare hole to trench depth and large enough for a person to work. Lay water-supply line and waste line (if required) into trench, allowing extra line length to be trimmed during hook-up. Depending on design and code requirements, lay in 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 of outer casing. To ensure plumb installation, place a bubble level against hydrant and adjust bracing boards until unit is plumb.

Purge water-supply line. 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 meter) of large round rock under drain opening. Check local codes. Local soil conditions may require more rock for drainage.

Back-fill trench and hole. Compact back-filled earth. Remove bracing boards. If necessary, loosen set screw in base and adjust vertical position of base on outer casing so that bottom of flared part of base is at grade level.

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 flared part of hydrant base. Finish concrete as necessary.



MAINTENANCE INSTRUCTIONS FOR HYDRANT M-175

All normal maintenance is done from above grade. Washers should normally be replaced annually. Remove handle and install Murdock-Super Secur "Lot O' Help" tool. Remove bolts and nuts securing top to stock, and remove top from stock. 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 stock-and-outer-casing assembly.

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.

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

Ensure that opening in tee is oriented toward opening in stock. Apply pipe joint compound to threaded end of nozzle, insert through slide and opening in stock, and screw nozzle into tee. Make certain that long end of slide is oriented downward and that slide tongue fits into groove in stock. Tighten nozzle, making certain that nozzle outlet is oriented downward.

Install spring over stirrup and tee, and replace top over spring. Fasten bolts and nuts. Remove "Lot O' Help" tool and replace handle, making certain that nub on handle engages stirrup properly.

