



# HYDRANTS

## Post Hydrant

### MODEL M-150

1-1/2" FREEZE RESISTANT,  
COMPRESSION-TYPE POST HYDRANT

#### STANDARD FEATURES

Model M-150 delivers year-round service outside or in unheated buildings. To provide freeze resistant functionality, the control valve is located below the frost line. Turning the handle raises or lowers the internal supply-line assembly, controlling the valve. Hydrant must be operated fully "on." Constructed of heavy brass, premium-quality gray iron and steel, the M-150 is designed for trouble-free reliability and easy maintenance.

#### SUGGESTED SPECIFICATIONS

Hydrant shall be Murdock-Super Secur model M-150. 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.

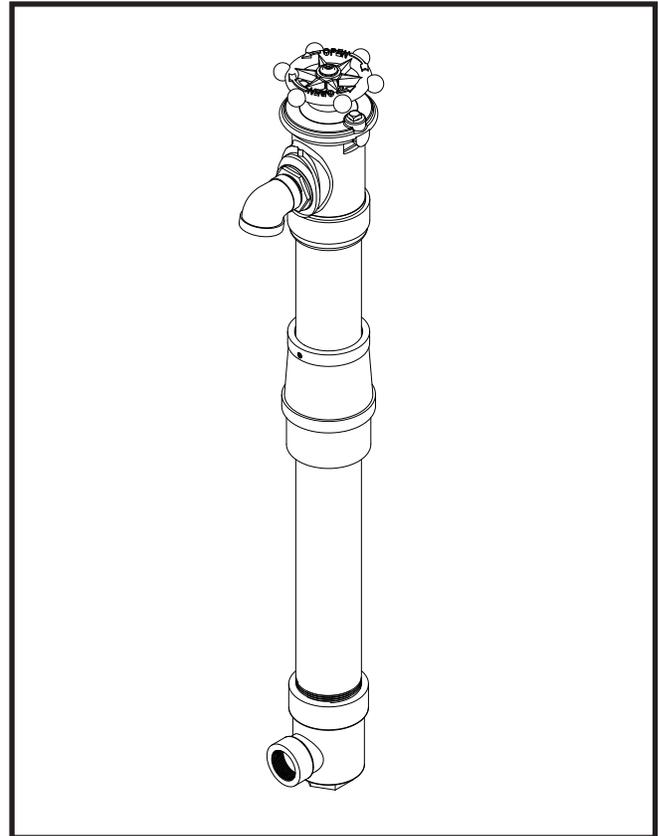
Water shall be gravity-evacuated from inner supply column when valve is shut off.

Valve shall be wheel-handle operated. Handle shall be fabricated of one piece iron casting finished with a heavy grade of oil-based green enamel. Stock, top, and base shall be fabricated of heavy, one-piece iron castings finished with a heavy grade of oil-based green enamel.

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 shall be black iron pipe, finished with a heavy grade of oil-based green enamel.

Nozzle shall be solid brass casting, threaded for 1-1/2" NPTF hose connection.



**Standard Model:** M-150

#### 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"/>       | Removable lever handle                      |
| <input type="checkbox"/>       | 2" hose outlet                              |
| <input type="checkbox"/>       | 2" inlet                                    |

\* See separate option sheets

Please visit [www.murdockmfg.com](http://www.murdockmfg.com)  
for most current specifications.

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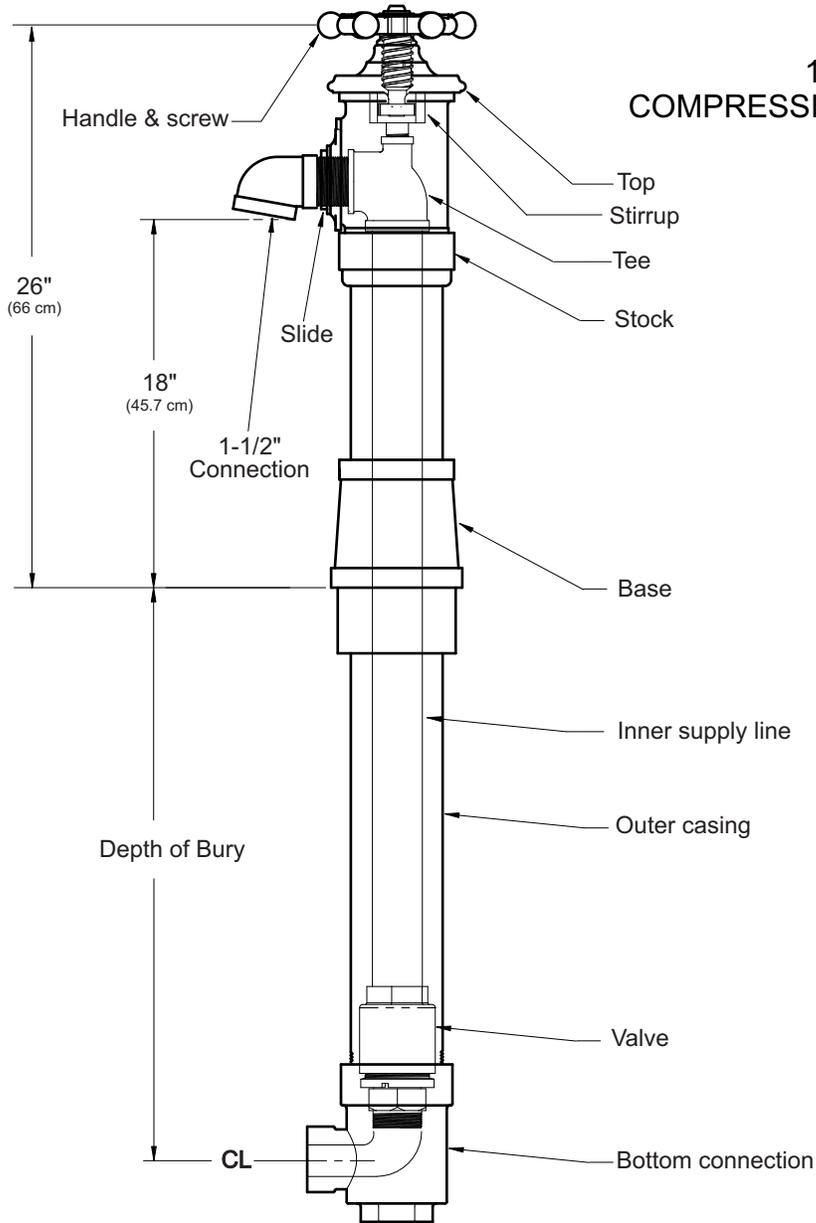
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1-1/2" FREEZE RESISTANT,  
COMPRESSION-TYPE POST HYDRANT



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

SELECTION SUMMARY & APPROVAL FOR MANUFACTURING	
<small>All dimensions are subject to manufactures tolerance of plus or minus 1/2" 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 <a href="http://www.Murdockmfg.com">www.Murdockmfg.com</a> for most current specifications.</small>	Model Numbers & Options _____ Quantity _____
	Company _____ Date _____
	Contact _____ Title _____
	Approval for Manufacturing/Signature _____

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## INSTALLATION INSTRUCTIONS FOR HYDRANT M-150

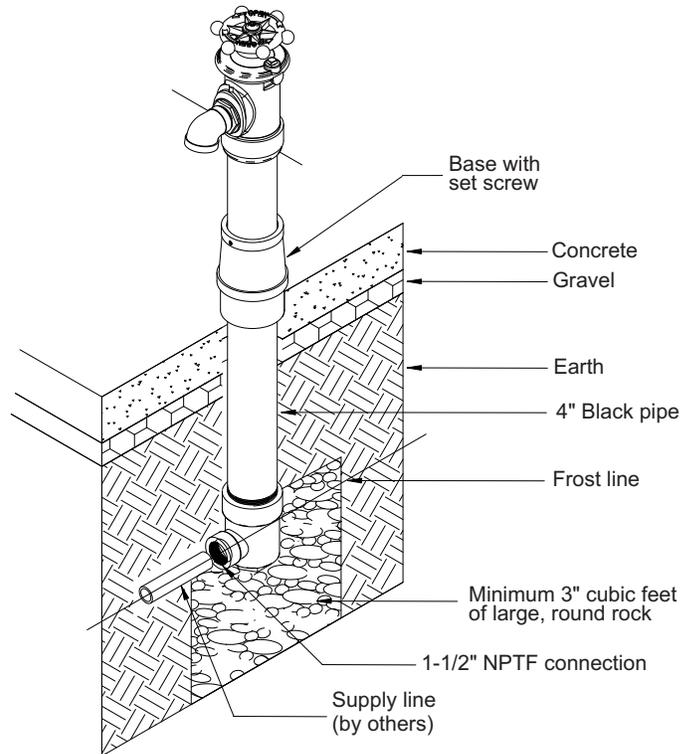
Prepare trench for water-supply line. Below hydrant location, prepare hole to trench depth and large enough for a person to work. Lay water-supply line and waste line (if required) into trench, allowing extra line length to be trimmed during hook-up. Depending on design and code requirements, lay in 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. Supply water pressure shall not exceed 85 psi. If necessary, install a pressure-reducing valve in the supply line. 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-150

All normal maintenance is done from above grade. Washers should normally be replaced annually. Remove bolts and nuts securing top to stock. Lift top from stock, sliding screw flange under top from stirrup. Unscrew and remove nozzle from stock, taking care to catch slide. Take hold of stirrup and raise supply line assembly out of stock-and-outercasing 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 washer and ring washer, and screw packing ring into valve body.

Gently lower supply-line assembly into stock. As stirrup approaches top of stock, lower assembly very carefully to ensure that valve body at bottom of assembly seats properly over valve stem underground.

Rotate stirrup to ensure that nozzle opening in tee is oriented toward opening in stock. Make certain that tee end of nozzle is inserted through slide with tongue of slide oriented toward tee end of nozzle. Apply pipe joint compound to tee end of nozzle, insert tee end of nozzle through opening in stock, and screw nozzle into tee.

Make certain that long side of slide is oriented upward and that slide tongue fits into groove in stock. Tighten nozzle, making certain that nozzle outlet is oriented downward.

