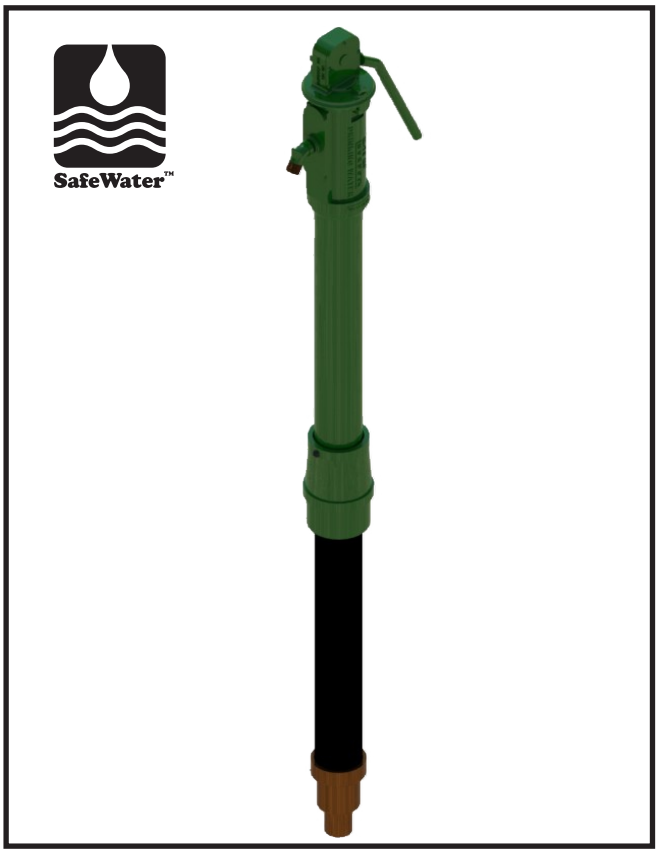
SafeWater™ ADA Hydrant

MODELS M-NPL75A AND M-NPL75B

3/4" FREEZE RESISTANT POST HYDRANT
NON-POLLUTABLE, LEVER-OPERATED



STANDARD FEATURES

Models M-NPL75A and M-NPL75B deliver year-round service outside or in unheated buildings. The control valve is located below the frost line. Raising the lever opens the valve and lowering the lever shuts water off. The lever may be locked closed with a padlock (not included).

Model M-NPL75A is turned on by raising the handle straight up. The hydrant will stay open if the handle is turned further to the left.

Model M-NPL75B is turned on by raising the handle straight up. The handle will not go to the stay-open position and the water will turn off if the user lets go of the handle.

After use, water inside the supply column is stored in a reservoir below the frost line and is expelled through the nozzle at the beginning of the next usage. This potable hydrant is protected against any surface or underground contamination. Recommended maximum operating pressure is 80 psi.

These models meet ADA requirements with the handle taking less than 5 pounds of force. The nozzle is located 28" minimum above the ground.

SUGGESTED SPECIFICATIONS

Hydrant shall be Murdock model M-NPL75A or M-NPL75B. Lever-operated hydrant shall be ASSE 1057 certified as a potable hydrant. Hydrant shall not operate using venturi action. Unit shall be capable of year-round use in freezing weather. Hydrant shall have a flow rate of 2.5 gpm at 30 psi. Hydrant shall be serviceable from above grade.

Unit shall extend below grade level so that supply inlet, valve and reservoir are positioned below frost line. During shutoff, a piston shall draw water from the supply column into a reservoir. At the next usage, the piston shall expel the water in the reservoir through the nozzle before fresh water flows. The water supply shall be protected against any surface or underground contamination.

Stock, top, base and handle shall be fabricated of heavy, one-piece iron castings finished with a heavy grade of oil-based green enamel. Solid brass castings in nozzle and inner supply assembly shall conform to ASTM standards B61 and B62. Lead-free castings shall be used in all waterways. Nozzle shall have a plain, un-threaded outlet.

MODEL:

(Must Specify)

- ❑ M-NPL75A Stay-Open Hydrant
- ❑ M-NPL75B Self-Closing Hydrant

DEPTH OF BURY *(additional costs may be incurred)*

- ❑ 2 ft. (61 cm)
- ❑ 3 ft. (91.4 cm)
- ❑ 4 ft. (121.9 cm)
- ❑ 5 ft. (152.4 cm)
- ❑ 6 ft. (182.9 cm)

OPTIONS *(additional costs may be incurred)*

❑- VB Nozzle with 3/4" Threaded Outlet and ASSE 1011 Vacuum Breaker

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

Member of U.S. Green Building Council

Recyclable Product

Complies with the following standards: Federal Public Law 111-380 (No Lead)

Certified by: ASSE 1057

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

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murdock
SINCE 1853

All dimensions are subject to manufactures tolerance of plus or minus ½" 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.*

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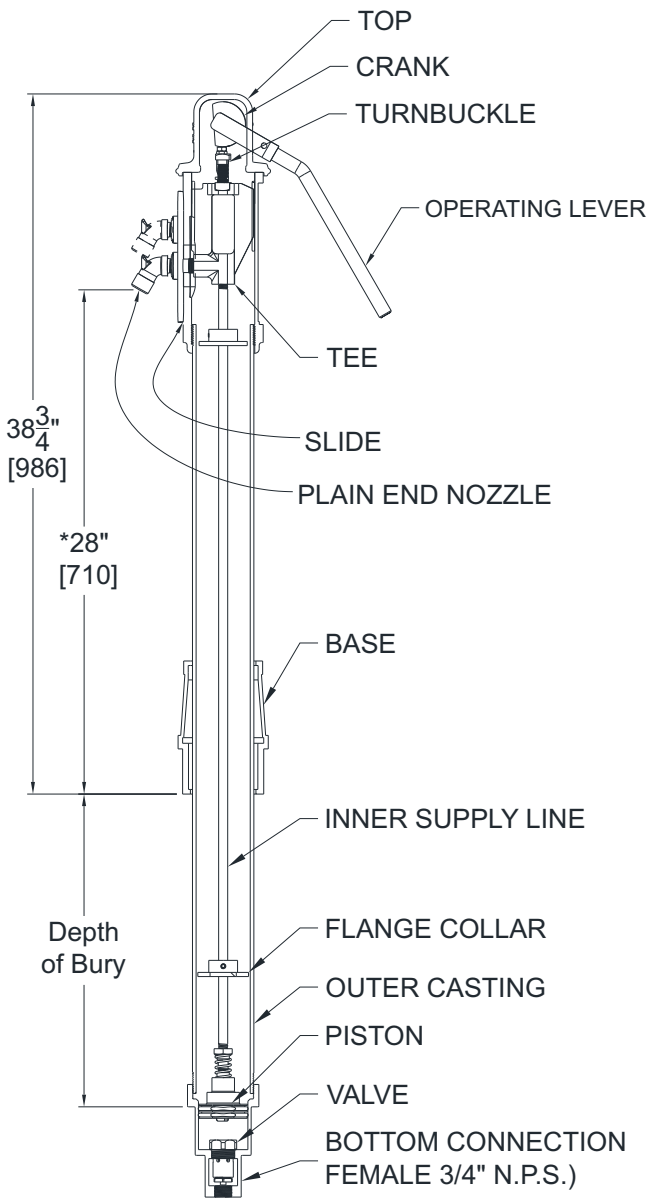

*HEIGHT OF BRASS NOZZLE CHANGES FROM 28" TO 30" WHEN IT IS IN THE "OFF" POSITION.

Murdock Mfg.™ warrants that its products are free from defects in material or workmanship under normal use and service for a period of one year from date of shipment. Murdock's liability under this warranty shall be discharged solely by replacement or repair of defective material, provided Murdock™ is notified in writing within one year from date of shipment, F.O.B. Industry, California.

SELECTION SUMMARY & APPROVAL FOR MANUFACTURING

Model Number & Options_____ Quantity_____

Company_____

Contact_____ Title_____

Signature (Approval for Manufacturing)_____ Date _____

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INSTALLATION INSTRUCTIONS FOR HYDRANT M-NPL75A/B

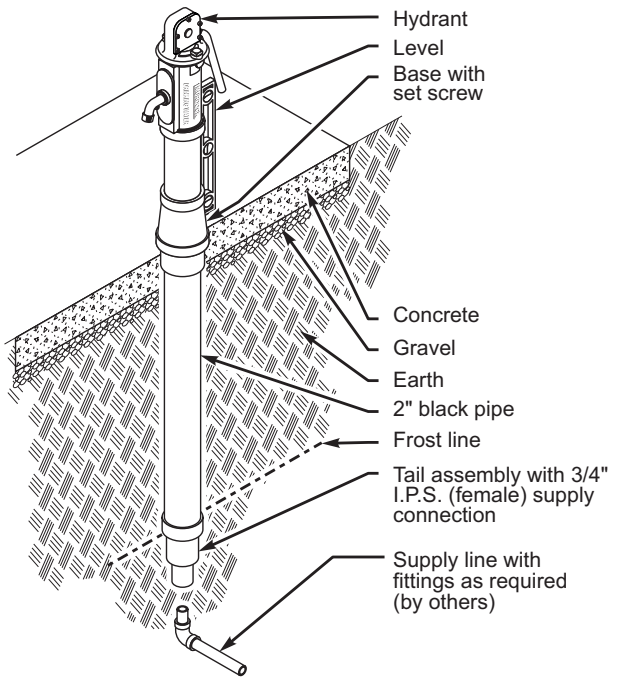
Prepare trench for water-supply line. Below hydrant location, prepare hole to trench depth and large enough for a person to work. Lay water-supply line into trench.

Install hydrant fully assembled as shipped. Position hydrant at desired location by laying two boards across hole, one on either side of outer casing, and brace as necessary under hydrant stock. 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, adding fittings as necessary.

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.

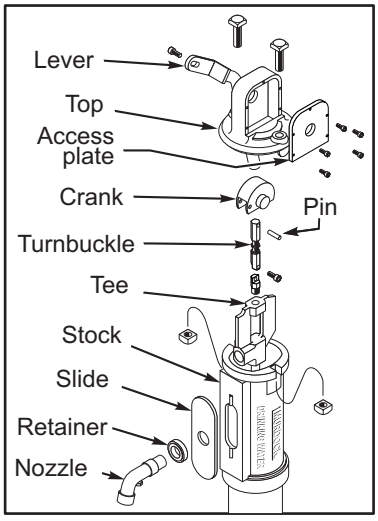


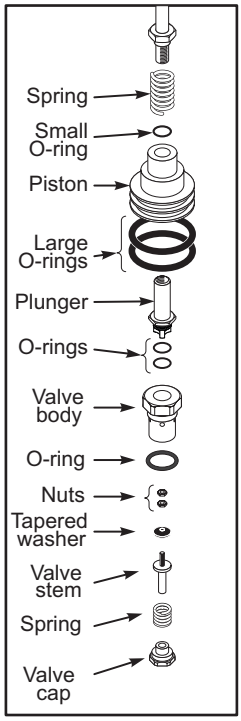
MAINTENANCE INSTRUCTIONS FOR HYDRANT M-NPL75A/B

All normal maintenance is done from above grade. O-rings and washers should normally be replaced annually. A repair kit including these items is available from the factory. A T-handle wrench is necessary and is also available from the factory.

Hydrant handle must turn 180° without resistance to turn on water. If handle meets resistance toward end of stroke or does not turn on water, turnbuckle needs to be adjusted.

To replace O-rings and washers, shut off water supply. Remove nuts and bolts securing top to stock. Unscrew and remove nozzle from stock. Remove entire assembly from stock, keeping all parts in same alignment as removed so that turnbuckle adjustment is not changed. Using T-handle wrench, remove valve from bottom of hydrant housing.





Replace seals as follows:

• Piston	1 small O-ring
	2 large O-rings
• Valve body	1 O-ring
• Valve stem	1 tapered washer

Lubricate O-rings with FDA-approved, food-grade grease. Reassemble supply-line assembly and valve assembly. Replace valve in bottom of hydrant housing. Lower supply-line assembly carefully into stock. As assembly approaches operating position, plunger must be inserted gently into valve body.

Replace slide and nozzle. Replace nuts and bolts securing top to stock. Reconnect turnbuckle to crank. Replace access plate and lever.

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