

HEATH A-T-I UNITS

The A-T-I Unit is a permanent leakage test point designed for installation over pipelines carrying a variety of products.

After the unit is in place, no drilling or barring equipment is needed for repeat testing.

Location of the individual units is very important. Consideration must be given to the type of product being carried and the piping system design and material.

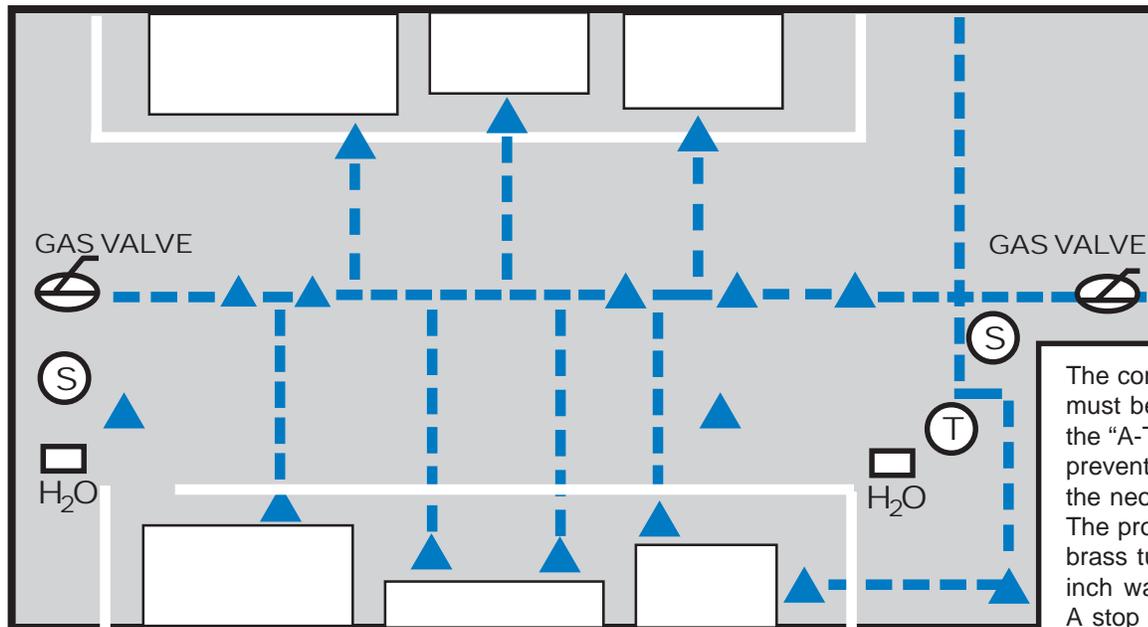
Heath Consultants can provide design assistance if desired.



LEAKAGE
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EASY WITH
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TEST
INSERTS**



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The correct probe must be used with the "A-T-I" unit to prevent damage to the neoprene seal. The probe is 1/4 inch brass tubing with .64 inch wall thickness. A stop must be soldered to the lower end of the probe to prevent inserting more than 3/8 of an inch. A 1/4 inch compression collar is satisfactory for the stop. Probes and wrenches for removing the plug are available from Heath Consultants.

PLANNING A-T-I UNIT INSTALLATIONS

Installation Pattern should be planned carefully. Valve boxes, manholes, meter pits, etc., provide test locations. Install A-T-I units as necessary to assure complete coverage and protection for each block. For maximum safety an A-T-I unit should be placed in sidewalk near service line, about 1 foot from building wall. Units should not be located directly over main or service. Install far enough away from trench to eliminate necessity of removal if line must be uncovered for repair. Do not install in parking lane of street where testing will be difficult when cars are parked. Installation in sidewalk near curb is desirable where snow and ice are encountered. The units will function efficiently even though main may be 10 to 12 feet away from the curb. Interval between units along the main should not exceed twice the distance from the main to the building wall and should be between the main and the nearest building. See graphic representation above.

INSTALLING THE PLASTIC A-T-I UNIT

1. Drill a hole 1 5/8 inches in diameter and 5 inches deep. Depth can be gauged by placing the unit in the hole. For the 1st 3/16 inch just hammer A-T-I unit in. Depth is correct when unit is flush with paving.
2. A 1 inch hole must be driven in the center of the 1 5/8 inch hole extending the approximate depth of pipe. A 1 or 1 1/8 inch rock drill in recommended. A spacer or collet type fixture is helpful in centering the smaller drill in the 1 5/8 inch hole.
3. The 1 inch hole should be filled with 1/4 or 3/8 mesh pea gravel or crushed stone.
4. Sealing should not be necessary, but if necessary do the following: hot or cold patch can be used for asphalt or blacktop. For concrete or similar materials a strong 'High Early' cement or a quick setting product, such as 'Gold Bond' is suitable. These should be used with just enough water to moisten. The mix should not be sloppy. A mix that will hold together when squeezed in the hand and crumble when tapped is about right. An additive can be utilized with these sealers to prevent damage from freezing before setting, if the temperature demands. Sealer should be placed on outside area (not top or bottom) of plastic unit. A light coating is all that is necessary. However, only a slight film should be placed on the tapered portion near the top. There should be slight friction in placing the unit in the hole.
5. Place the unit in the hole. It is necessary to drive the unit in place with a rubber hammer or block of wood. Never use metal to drive in the plug. When properly installed the top of the plug should be flush with surrounding pavement.

