

STRING

1.1. Underground Installations

To drawing PEG-422A - 1" Manifold
PEG-422B - 1 1/2" Manifold

Supply and return manifold with tubing circuits must be air tested fully or as part of the complete system for leaks.
Supply and return valves are installed underground or in concealed areas they must be tested as a part of the complete system for leaks and being concealed or covered.

1. The solid BLACK marking with pressure gauge on the return manifold is as shown on the drawing PEG-422A OR 422B.
A Teflon based pipe joint compound on each manifold where 1" or 1-1/2" aluminum flush plugs will be installed.

1. The solid black marking with the air charge valve on the supply manifold is as shown on the drawing.
Wrap the system at the air charge valve to 100 pounds per square inch pressure in the under-floor system at 1-1/2 times the system rating pressure or at 100 psi, whichever ever is greater for a minimum of 30 minutes to determine if any leaks exist in the system.

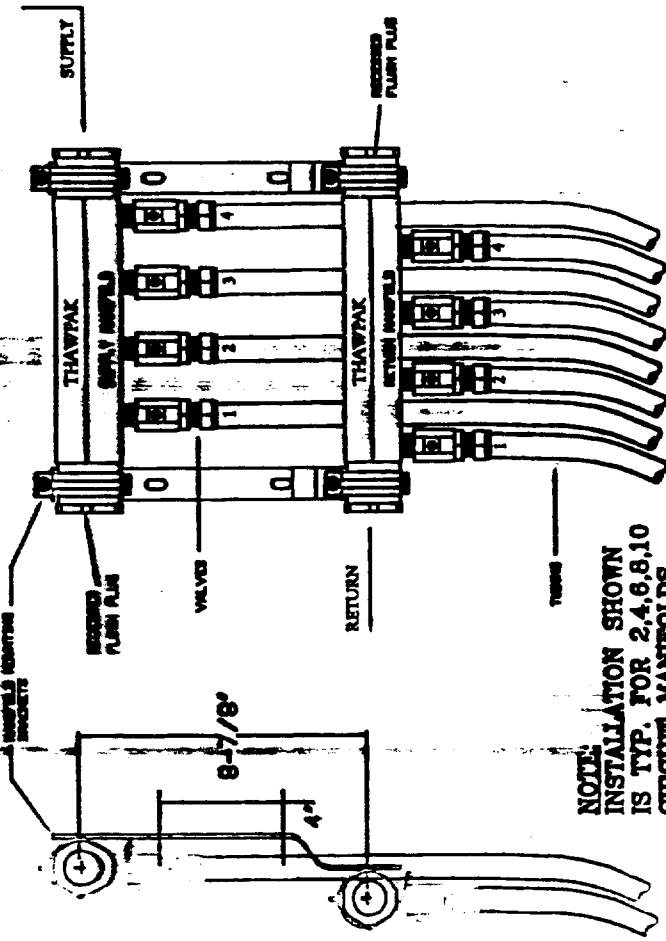
Pressure may drop 3-4 pounds overnight due to cooling and water solution may be used to find the location of any leaks.
If a leak occurs in a run of THAV-PAK tubing contact your THAV-PAK distributor for a new roll of tubing. Replace the damaged tubing run and the system again as outlined above.
Pouring concrete or covering tubing with other materials connect an air compressor and provide a continuous forty (40) psi of air pressure to the tubing during the pouring process.
If a leak occurs the compressor will begin to run and the damaged tubing will begin to leak air up through the concrete.
Stop the leak and cut the tubing at that point. Install one of the brass fittings from the repair kit and completely wrap the fitting.

After the concrete installation is completed, remove the compressor and run at 40 psi for a minimum of 24 hours. If no leaks are detected use the solid BLACK markings, air valve & air gauge from the supply and return manifold and connect boiler as shown on drawings provided.
The system as outlined in the filling instructions.

TUBE FASTENER - SPACING

Tube tie wires or fasteners as provided shall be installed at least every 36" and at the ends of turns. Ties or fasteners may be added as needed to properly hold the tubing in place.

Snap track channel should be placed 24" to 36" apart on straight runs and at the ends of the tubing runs to properly hold the tubing in place.



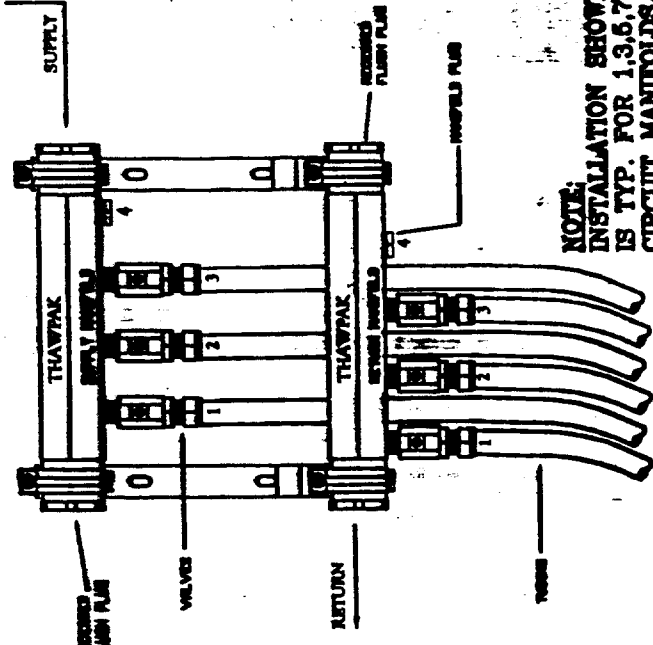
NOTE:
INSTALLATION SHOWN
IS TYP. FOR 2,4,6,8,10
CIRCUIT MANIFOLDS.

MANIFOLD INSTALLATION NOTE:

1. FOR MANIFOLD ENDS PLEASE USE ALUMINUM PLUG PROVIDED AND SEAL WITH FOUR LAYERS OF PTFE ON PLUG THREADS AND TEFLON BASED PIPE JOINT COMPOUND ON MANIFOLD THREADS.
2. TIGHTEN THREADS UNTIL SNUG.
3. SUPPLY AND RETURN ENDS SHOULD BE OPPOSITE OF EACH OTHER TO INSURE PROPER FLOW.

Drawing No
PEG-424

**MANIFOLD
INSTALLATION DETAIL**



NOTE:
INSTALLATION SHOWN
IS TYP. FOR 1,3,5,7,9
CIRCUIT MANIFOLDS.

INSTALLATION CONTRACTOR
Infra-Red
Applications, Inc.
Falmouth
Maine

THAV-PAK
MELTING SYSTEMS
38906 INDUSTRIAL ROAD LYONIA, IL 60150
OFFICE (734) 268-5300 FAX (734) 268-5310
www.performancemfg.com

TRILWAYS
Maine

Project Design Summary