

SYSTEM VOLUME: 35 Gallons  
 TOTAL NUMBER OF LOOPS: 9  
 DESIGN TEMP: -10  
 TEMP. RISE: 20 Deg

**1. DO NOT PRE-CUT TUBING LENGTHS.**

2. Identify the length and size of tubing on each roll and label the roll with a number corresponding to the tube cutting schedule on the THAW-PAK system drawing.

3. Each run should be installed and length verified before cutting from the roll.

4. Tubing is manufactured with foot markers printed down the entire length of the tubing roll. These numbers provide the installer with a method to determine the amount of tubing used from the roll.

5. Record the number at the beginning of the tube roll.

6. Lay-out the entire tubing run as shown on the THAW-PAK system drawings.

7. Record the number at the end of the run laid out.

8. Subtract the smaller number from the larger number to confirm the length of tubing used.

9. Compare this number to the length of the circuit printed on the THAW-PAK drawing. The actual installed length may be different, but shall be within the lengths indicated on the chart below.

10. If the length of tubing falls between the minimum and maximum lengths indicated on the chart, the tubing can be cut for attachment to the system manifold.

11. If tubing length is NOT WITHIN the minimum and maximum lengths indicated on the chart, inspect the tubing installation for errors and make corrections. If the tubing layout error cannot be verified contact your THAW-PAK distributor for further instructions.

TUBE LENGTH	50	100	150	200	250	300	350	400	450	500
1/2" ID										
MINIMUM	45	90	135	180	225	270	N/A	N/A	N/A	N/A
MAXIMUM	55	110	165	220	275	300	N/A	N/A	N/A	N/A
3/4" ID										
MINIMUM	45	90	135	180	225	270	325	370	420	465
MAXIMUM	55	110	165	220	275	300	375	425	480	500

Thawpak Material List

Radiant Eq. List

QTY	PART NUMBER	DESCRIPTION
1	IK0013	RADIANT FLOOR- EMBEDDED- 1/2"
2	JP0006	MANIFOLD PRESSURIZATION KITS 1'
1	3AM02-01-50'	2-CIRCUIT MANIFOLD SET
1	3AM07-01-50'	7-CIRCUIT MANIFOLD SET
2	HRSMBB	MANIFOLD MOUNTING BRACKETS (SET)
3	TPYB3CR10	TUBING - 1/2"x1000' PEX (RED)
800	8060D18	TE WIRE - 16 GAUGE x 6'
18	UM9AE	3/4" TUBING SLEEVES
2	BUWA10	5/8" REPAIR COUPLERS
1	TE 072	SLAB SENSOR

TUBE CUTTING SCHEDULE

ROLL #1	1/2"x1000' PEX	253'-250'-270'
ROLL #2	1/2"x1000' PEX	247'-250'-265'
ROLL #3	1/2"x1000' PEX	288'-285'-265'

NOTES:

- SEE INSTALLATION INSTRUCTIONS FOR LAYOUT DETAILS
- SYSTEM BY-PASS VALVE MUST BE INSTALLED
- ALL PIPING FROM BOILER TO MANIFOLDS, SUPPLIED BY OTHERS
- DUE TO UNFORESEEN CONDITIONS AT TIME OF INSTALLATION, RUNS MAY VARY FROM GIVEN LENGTH
- LAY PLASTIC TUBING BEFORE CUTTING FROM ROLL
- KEEP TUBING 6" MAX FROM SIDES & DRAINS
- NOT RESPONSIBLE FOR SYSTEM OPERATION IF NOT INSTALLED AS SHOWN ON PRINT
- KEEP TUBING 6" AWAY FROM ALL TOILETS
- ALL CIRCUIT LENGTHS INCLUDE A 6" ALLOWANCE FOR RISERS TO MANIFOLDS AND PLACEMENT TOLERANCE.

LIABILITY

This drawing and our recommendations and suggestions, are intended to assist our customers. Our design represents our best judgment based on our experience and the best facts provided to us, any use thereof is at the sole risk of the customer.

It is assumed that the customer will install the THAW-PAK system in compliance with all local, state and national codes.

Concrete

Portland

THAW-PAK DISTRIBUTOR  
**Performance Engineering Group, Inc.**

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ISSUED FOR	DATE	BY

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SHEET NO.  
 M2  
 OF  
 M3