

Heat-Line®

Advanced Internal Water Supply Pipe System

Heat-Line is a complete pipe system supplied with the Retro-Line heating cable system factory installed inside a 75 PSI, CSA approved polyethylene water pipe for new pipe installations.



75 PSI Certified
Polyethylene Pipe



Retro-Line



Heat-Line



See more product information, videos,
photos, technical documents, and more



Patents USA and Canada

NSF/ANSI 61

Heat-Line

Features & Benefits

- The only manufactured, self-regulating heating cable factory installed in pipe
- Available in 1 inch ID and 1¼ inch ID, 75 PSI polyethylene pipe
- Available in a plug-in GFCI model or hard wire cord-set model depending on application
- Customizable for various application requirements
- Length of heating cable can be adjusted (shortened) on the job-site by means of extracting the cable through plumbing fitting
- Available in common lengths and long lengths
- Heating cable is rigid enough to stay in place within the entire length of pipe
- Labour savings – no need to excavate below the frost line or blast rock
- Fully serviceable, can easily be removed if necessary
- Will never melt or overheat, even if pipe is dry
- Proven in -40°F weather above ground with ¾ inch polyethylene insulation
- Available with pipe longer than heating cable by special request

For more Features and Benefits common to all Heat-Line systems, refer to page 6.



Specifications

- cCSAus approved (Canada and USA) LR85446
- Approved for potable drinking water
- Certified Usage Type P Canada
- Installation Type A USA
- Self-regulating/conductive polymer heating cable
- Fluoropolymer outer jacket
- Standard wattage 3 W/ft @ 50°F (10 W/m @ 10°C), 5 W/ft @ 50°F (16 W/m @ 10°C) available by special request
- Available in 120V and 240V
- Max lengths 120V - 230 ft, 240V – 300 ft
- Available with either GFCI plug or CS hard wire connection
- Engineered proprietary end seal technology
- Standard warranty of 5 years, with optional 10 years extended

Applications

- New water supply lines requiring freeze protection
- Potable water supply 75 PSI or less
- Rural home and business water supply lines
- Lake homes and cottages/cabins
- Lake/river water source
- Wells
- Farms, agriculture





Complete Freeze Protected Polyethylene Pipe System

The Heat-Line system is supplied in a pre-determined length with the self-regulating heating cable already installed inside 75 PSI, CSA approved polyethylene pipe. Philmac plumbing fitting also supplied.

Easy Installation

Just unroll the pipe and interface to plumbing fittings as necessary as you would with any non-heated poly.

Reliable Above Ground

Heat-Line has been proven to keep water from freezing in -40°C/F when installed above ground with ¾ inch thick pipe insulation. No need to blast rock to bury the pipe.

Energy Efficient

Save up to 80% in energy consumption when combining thermostats and insulation. Thermostat and timers are optional with Heat-Line. They can be used to duty cycle the heating cable in an on/off operation making it more energy efficient. Heat-Line is safe to insulate and will make the heating cable operate more efficiently and reliably when used.

Requirements

Heat-Line orders require the length of system and size of pipe. Maximum system length in 240 volt is 300 feet.

Emergency Systems

In many applications Heat-Line is ordered for new builds where the water system is not yet complete. Heat-Line is ordered with insulation and installed on the ground until the following year where the trench can be dug and the same Heat-Line system buried.

Energy Efficient

With its self-regulating heating cable. Heat-Line has the ability to be the most energy efficient heating cable available, providing you insulate and add a thermostat.

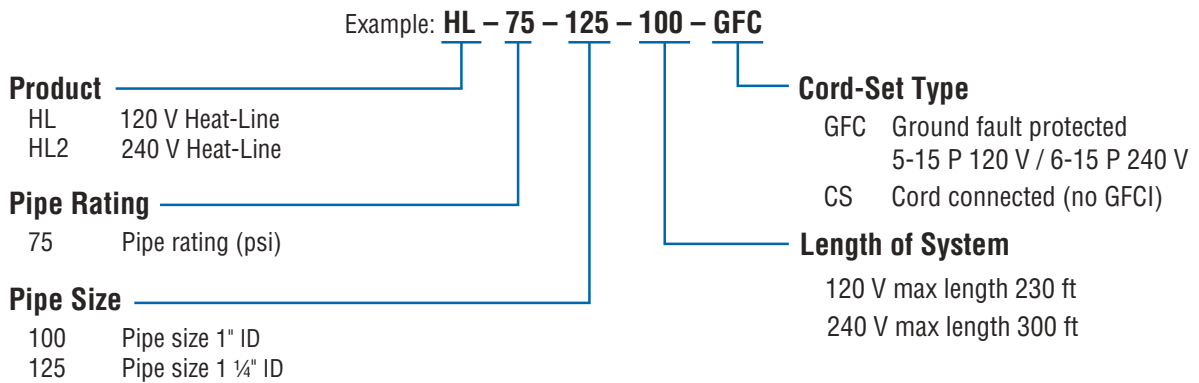
Fully Serviceable

The Heat-Line system is a fully serviceable product. Should you need to remove the heating cable, simply remove the plumbing tee fitting and pull out the heating cable.

Customizable

In many cases custom lengths can be ordered such as 80 feet of heating cable installed inside 100 feet of pipe.

Heat-Line | Product Code Guide



NOTE: Nominal power output of Heat-Line system is 3 W/ft @ 50°F (10 W/m @ 10°C). Only available in Drinking Water Safe Fluoropolymer outer heating cable jacket.

Heat-Line | Accessories

HLJ-STAT	120V plug-in thermostat (GFC)	FPC-02-240-OD	240V hard wire digital and adjustable thermostat GFEP (CS)
HLA-120	120V plug-in thermostat (GFC)	FRIO-S1-A	120/240V hard wire digital and adjustable thermostat with WIFI/ Ethernet and GFEP (CS)
GFA-STAT	120/240V hard wire thermostat GFEP (CS)	MA-10	120/240V GFCI/ELCI (CS)
GPT-130	120/240V hard wire thermostat GFEP (CS)	INSUL-1.00	Insulation sleeve for 1 inch ID pipe (1 5/8 inch ID, 6 ft long)
HLP-STAT	120/240V hard wire thermostat (CS)	INSUL-1.25	Insulation sleeve for 1 ¼ inch ID pipe (1 7/8 inch ID, 6 ft long)
TIMER-120P	120V plug-in timer (GFC)	HLP-TAPE	Tape for insulation sleeve butt joints (100 ft)
TIMER-240P	240V plug-in timer (GFC)	WARRANTY	Extended 10 year limited warranty
TIMER-CS	120/240V hard wire timer (CS)		
FPC-02-120-OD	120V hard wire digital and adjustable thermostat GFEP (CS)		

Heat-Line | Typical Cross Section

