

Retro-Line®

Leading Advanced Internal Water Supply Pipe Freeze Protection Systems.

Retro-Line is a job-ready freeze protection kit designed to be installed in minutes inside existing water supply pipes.




C US
Drinking Water

Patents USA and Canada NSF/ANSI 61



VERSATILE APPLICATION

Retro-Line can be used in a variety of applications, including metal and plastic water supply, sump pump lines and pressurized or high volume drain pipes.

EASY INSTALLATION

Heat-Line developed a unique, patented dispensing system called "Retro-Reel" to protect the heating cable and fittings from mechanical injury while the product is deployed into the pipe with absolute ease. It is not unusual to push systems in up to 150 feet and sometimes more.

FULLY SERVICABLE

Short Retro-Lines can simply be pushed into the pipe while longer systems may be pulled in using a fish tape. The downward end of the cable does not need to be internally fastened, as it will not re-coil, which is extremely important as it renders the system fully serviceable. The system can be removed and replaced should it become necessary.

MULTIPLE INTERFACING

An I.D. controlled tee fitting for polyethylene pipe is supplied standard with the Retro-Line system. Retro-Line can also be ordered with a CTS controlled tee or a threaded male adapter for easy interfacing to pipe such as ABS, PVC, PEX, copper, galvanized and steel.

CSA/NSF APPROVED

Retro-Line is the only cCSAus NSF/ANSI 61 Drinking Water approved, internal self-regulating P and X (4A and 4B) factory finished freeze protection system available on the market.

REQUIREMENTS

Retro-Line orders require the length of heating cable and pipe size for polyethylene installations or male adapter thread size for other pipe installations. System lengths are 120 volt up to 230 feet and 240 volt up to 550 feet. Minimum pipe size required is $\frac{3}{4}$ " ID.

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INTERNAL WATER SUPPLY FREEZE PROTECTION

Retro-Line is an internal self-regulating heat tracing system designed to provide freeze protection of existing water supply and fluid pipes without their removal. Insulation and an optional thermostat can be used to optimize energy efficiency.

COMPLETE SYSTEM

The Retro-Line system is supplied in a predetermined length with all necessary components for a complete system. For polyethylene pipe applications Retro-Line is supplied with a compression fitting for connection to the pipe.

Retro-Line[®] Features / Benefits / Differentiators / Applications

Features

- Fluoropolymer jacketed, self-regulating internal cable designed for use in potable water
- Suitable for installation in metallic and non-metallic pipes
- Thermostats and other control devices are optional
- Will not melt or overheat
- Can be fully insulated
- Extremely energy efficient
- Available in 120 volt or 240 volt systems
- Available with either GFCI plug or CS hard wire connection
- Self-regulating, high performance, conductive polymer cable
- 5 year limited warranty/ 10 year optional
- Available in common lengths

Benefits

- Can be installed into existing pipes without excavation
- Ease of installation – can be pushed in up to 150 feet
- Long systems can be drawn in with fish tape or rope
- Suitable for use with metal and plastic pipes
- Fast installation
- Proven performance in extreme cold climates
- Each finished system is tested prior to shipment
- Single trade installation where a receptacle is within reach
- Manufactured to finished lengths for individual service requirements
- Can be insulated to maximize energy efficiency
- Thermostats not required for applications where they are not beneficial
- Unlimited control options

Differentiators

- The only manufactured self-regulating heating cable for in-pipe applications
- Customizable for various pipe types and sizes
- Completely serviceable
- Heating cable is rigid enough to stay in place within the entire length of pipe
- Manufactured in North America
- cCSAus approved for installation throughout the USA and Canada
- Clear, concise installation and support documentation
- Will not melt or overheat pipe
- Up to 80% more efficient compared with uninsulated constant wattage heating cables
- Available in long lengths
- Potable
- Can be used above ground on tundra when insulated
- Excellent Warranty
- Extremely High Quality

Applications

- Existing water supply lines subject to freezing
- Rural home and business water supply systems
- Sump pump lines
- Lake homes and cottages/cabins
- Wells
- Farms, agriculture
- Commercial, industrial
- Construction sites
- Camps
- Mining
- Lake/river source water

Retro-Line® | Product Codes

for I.D. Controlled Polyethylene Pipe

Example: **RL - 125 - 100 - GFC**

Product				Cord-Set Type	
RL	120 volt Retro-Line			GFC	Ground fault protected
RL2	240 volt Retro-Line			CS	Cord connected (No GFCI)
Pipe Size (I.D.)				Length of Heater	
075	Pipe size ¾"			6 to 230 feet	120 volt systems
100	Pipe size 1"			6 to 550 feet	240 volt systems
125	Pipe size 1¼"				
150	Pipe size 1½"				
200	Pipe size 2"				

for Unknown Size Polyethylene Pipe Kit (1" and 1¼" I.D.)

Example: **RL - 125 - 100 - NI - GFC**

Product				Cord-Set Type	
RL	120 volt Retro-Line			GFC	Ground fault protected
RL2	240 volt Retro-Line			CS	Cord connected (No GFCI)
Pipe Size (O.D.)				NI	Denotes tee fitting adaptable to fit both 1" and 1¼" pipe
125	Pipe size 1" and 1¼"			Length of Heater	
				6 to 230 feet	120 volt systems
				6 to 550 feet	240 volt systems

for O.D. Controlled Polyethylene Pipe

Example: **RL - 125 - 100 - CTS - GFC**

Product				Cord-Set Type	
RL	120 volt Retro-Line			GFC	Ground fault protected
RL2	240 volt Retro-Line			CS	Cord connected (No GFCI)
Pipe Size (O.D.)				CTS	Denotes CTS tee fitting
100	Pipe size 1"			Length of Heater	
125	Pipe size 1¼"			6 to 230 feet	120 volt systems
150	Pipe size 1½"			6 to 550 feet	240 volt systems

for All Other Pipe Types (¾" I.D. or greater)

Example: **RL - 100 - 100 - IP - CS**

Product				Cord-Set Type	
RL	120 volt Retro-Line			GFC	Ground fault protected
RL2	240 volt Retro-Line			CS	Cord connected (No GFCI)
Fitting Size				IP	Denotes male adapter fitting
100	Male adapter thread size 1"			Length of Heater	
125	Male adapter thread size 1¼"			6 to 230 feet	120 volt systems
150	Male adapter thread size 1½"			6 to 550 feet	240 volt systems
200	Male adapter thread size 2"				