SELF-REGULATING HEATING CABLES

Electric ArcticVent systems employ the unique performance and operating characteristics of advanced self-regulating heating cable technology. The heating cable is built around a conductive polymer core, which automatically adjusts its heat output to match heat loss at every point throughout the system length. As the temperature increases, Heat-Line products automatically decrease their heat output, and vice versa. The result is energy savings.

To further increase the energy efficiency, a thermostat or timer can be added to the system. The addition of a thermostat would allow you to duty cycle your ArcticVent system based on ambient air temperature, while a timer would duty cycle the ArcticVent on and off based on desired presets.

ARCTICVENT AT A GLANCE

- ArcticVent is the only approved freeze protected plumbing vent
- Proven throughout circumpolar regions
- Reliable and energy efficient
- 5 year warranty with optional 10 year
- ArcticVent can be easily adapted to pipes of various sizes
- Fast Installation — ArcticVent comes ready to use with a 3 inch polycarbonate slip coupling and 2 part epoxy cement
- Products and components meet plumbing, electrical and mechanical regulatory requirements
- Constructed of LEXAN® for high strength in severe cold

SPECIAL REQUIREMENTS

Since 1988 Heat-Line® has been specializing in freeze protection of all types. If you have a special application of any kind, give us a call. Special system designs are common to us. We manufacture many other innovative products not mentioned in this brochure.

heat-line® Freeze Protection Systems

1-800-584-4944
1095 Green Lake Rd, Algonquin Highlands
ON Canada K0M 1J1

P 705-754-4545 **F** 705-754-4567

www.heatline.com • info@heatline.com

HLAV-0418-1

heat-line® Freeze Protection Systems

ArcticVent®

A freeze protected plumbing vent stack that eliminates ice blockage in plumbing vents.

C SA® US

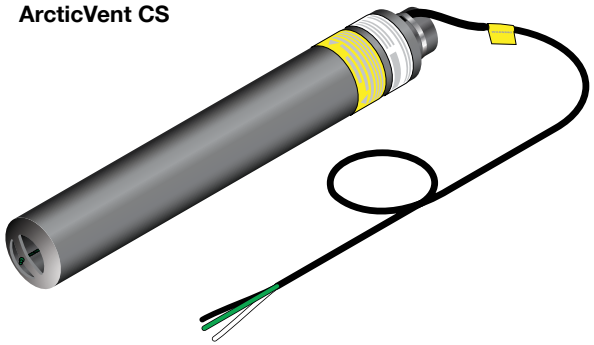
ABOUT ARCTICVENT

ArcticVent is designed for new installations or to replace and retro-fit existing non-protected (standard) 3 inch plumbing vent stacks. When reduction fittings are employed, ArcticVent can be used on top of 4 inch and 6 inch vent stacks where they exit the roof. ArcticVent melts ice from the inside of the vent. A longitudinal tether centered within the pipe holds the ice and prevents damage or mechanical injury from falling ice as it melts and is released.

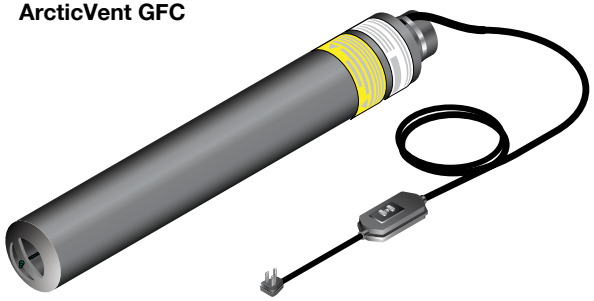
Application examples include but are not limited to:

- Residential buildings
- Commercial/industrial buildings
- Modular homes and northern research laboratories
- Temporary mining and exploration camps
- Construction trailers
- High arctic housing communities

ArcticVent CS



ArcticVent GFC



CONSTRUCTION & OPERATION

Electrical

The electrically heated vent applies an average of 25 watts of heat per foot of pipe @ 50° F (10° C) using self-regulating heating cables by Heat-Line. This provides maximum heat when required and is highly energy efficient.

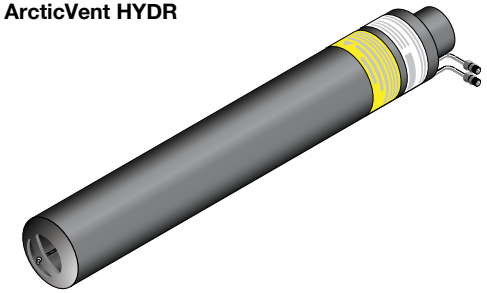
Hydronic

The hydronic system cycles heated fluid through the vent via small 1/4 inch copper capillaries. This model can be interfaced to hydronic heating systems using a closed loop circulating pump and heat exchanger system.

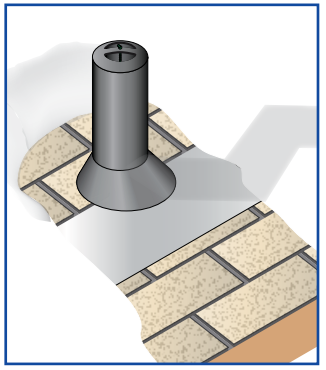
PRODUCT SPECIFICATIONS

Plumbing	3 inch (internal diameter) heated LEXAN® fire rated vent pipe
	35 3/8 inch total product length
	3 inch polycarbonate slip-fit coupling (two part epoxy cement included)
Electrical	120 or 240 volt , 75W @ 50°F (10°C) self-regulating heating cable
	Enclosure Type 3R
GFC models	27 milliamp ground fault circuit interrupter plug-in device
CS models	14 AWG SJEOOW supply cord for direct hard wire connection, GFCI must be field installed
Hydronic	1/2 inch brass male NPT interface fittings supplied

ArcticVent HYDR



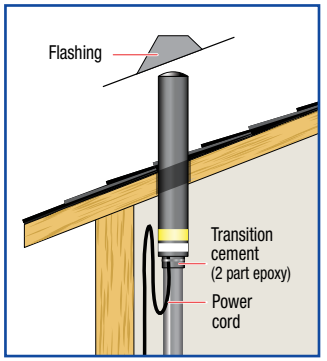
INSTALLATION



ArcticVent is designed to be easily installed in new applications as the vent interfaces to standard pipes with the use of two part epoxy.

When retro-fitting ArcticVent, the existing 3 inch stack is cut at the required level within the building. ArcticVent has been designed to couple with existing 3 inch ABS or PVC pipe using two part epoxy. A skilled tradesperson must review the individual installation requirements when retro-fitting to determine the best transition point within the warm area of the building.

ArcticVent GFC systems simply plug into a 120 volt or 240 volt receptacle. The CS models will require Ground Fault Circuit protection (not included) and field wiring.



ArcticVent is designed for installation by a professional licensed tradesperson.

For complete installation instruction and specification refer to ArcticVent Installation Guide.

For technical support contact Heat-Line® for an application specialist.

This product must be installed in accordance with governing electrical, plumbing and building authorities.