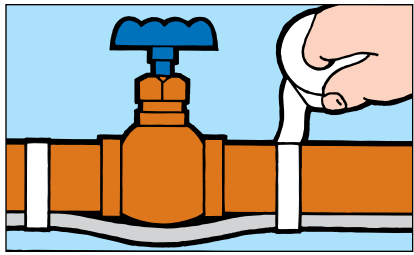
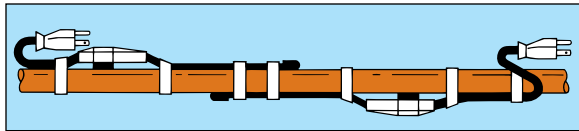


HOW TO INSTALL SYSTEM

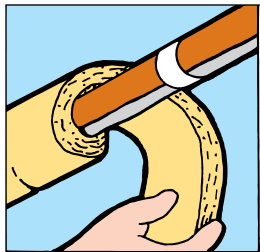
To choose the right length of pipe freeze protection cable, cable should be long enough to run along bottom of horizontal pipes and weather side of vertical pipes (including valves) without crossing or spiraling. Never use a cable longer than the pipe it is intended to protect.



1. Refer to the chart inside or on the package for proper cable selection.
2. Cable will be applied straight along pipe, and will protect pipes up to 1½ inches in diameter.*
3. For pipe lengths other than standard heating cable sizes, and over 1/4 inch in diameter, use two heating cables in parallel on opposite sides of the pipe (see illustration). Maximum "overrun" should not exceed 3 feet. **Do not install on pipe shorter than 3 feet long.****



4. Wrap the entire pipe and cable with insulation. Complete the installation with the weatherproof wrap and the caution signs. For plastic pipe, we recommend wrapping pipe in aluminum foil before installing cable for better heat distribution.



* For pipe diameters greater than 1½ inches, please contact your Frost King representative.

**For details please contact your Frost King representative.

WARNING: Frost King recommends using a **ground fault protected** receptacle.



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Electric Heat Cable

Pipe Freeze Protection

PRODUCT SELECTION GUIDE

Frost King ITEM #	DESCRIPTION
HC HEATING CABLE / ACCESSORIES	
HC3	3' LENGTH, 21 WATTS
HC6	6' LENGTH, 42 WATTS
HC9	9' LENGTH, 63 WATTS
HC12	12' LENGTH, 84 WATTS
HC18	18' LENGTH, 126 WATTS
HC24	24' LENGTH, 168 WATTS
HC30	30' LENGTH, 210 WATTS
SP41X	25' LENGTH, FIBERGLASS INSULATION
FV15H	15' LENGTH, FOAM & FOIL INSULATION



Stop Pipe and Valve Freeze-up

Frost King products are provided with a **LIMITED WARRANTY**: See Installation & Operation Instructions or contact Frost King for complete terms and conditions.

- For Metal and Plastic Water Pipes
- With Energy-saving Thermostat



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40200-001 Rev. 5

Thermwell Products Co., Inc.

Stop Pipe Freeze-up

Electric Water Pipe Freeze Protection Cable

Frost King, the leader in residential pipe freeze protection, presents the HC Series pipe heating system. Pre-assembled and ready-to-install, the cable prevents pipes from freezing, keeping water flowing to -40° . Using an energy-saving thermostat, HC cables operate on 120 Volts AC and are suitable for use on **water-filled** plastic and metal pipes.

This system can be installed with the confidence that it will operate for years without requiring service. All components are made of the highest quality materials and are tested during critical points in the manufacturing process.

- Keeps water flowing down to -40°F (-40°C)
- Pre-assembled, ready to install

The HC Series system is easy to buy and to install, engineered in 3-foot increments (up to 18 feet) to accommodate many pipe lengths with diameters up to $1\frac{1}{2}$ inches. Simply run the cable straight along the pipe and valves according to the included instructions, affix with our premium application tape and insulation, then plug into a **ground fault protected** electrical outlet.

When it comes to pipe freeze protection, Frost King is the cable of choice.

- With power indicator light
- With energy-saving thermostat

INDICATOR LIGHT

The HC system includes a power indicator light in the plug for assurance that the system has power.



SIMPLE TO INSTALL

This system requires no special wiring or assembly. Simply run cable straight along pipe and valves according to instructions in package, affix with premium application tape, **insulate**, and plug into a **ground fault protected** electrical outlet.

HOW MUCH CABLE WILL YOU NEED?

This cable comes in standard 3-foot increments (up to 30 feet), so you'll need to know two key dimensions to select the right package: the length of the pipe run, including valves, to be heated and the diameter of the pipe.

For pipe $\frac{3}{4}$ " in diameter or less, round pipe length down to the nearest 3-foot increment. So, 7 feet of pipe would require a 6-foot cable; 11 feet of pipe would use a 9-foot cable.

Cable Selection Guide

DIA.	Length of Pipe																
	3'	4-5'	6'	7-8'	9'	10-11'	12'	13-14'	15'	16-17'	18'	19-20'	21-23'	24'	25-27'	28-29'	30'
	.9M	1.2-1.5M	1.8M	2.1-2.4M	2.7M	3-3.4M	3.7M	4-4.3M	4.6M	4.9-5.2M	5.5M	5.8-6.1M	6.4-7M	7.3M	7.6-8.2M	8.5-8.8M	9.1M
$\frac{3}{8}$ "— $\frac{3}{4}$ " (9.53 mm-19.05 mm)	1 HC3	1 HC3	1 HC6	1 HC6	1 HC9	1 HC9	1 HC12	1 HC12	1 HC18	1 HC18	1 HC18	1 HC18	2* HC12	1 HC24	1 HC24	2* HC18	1 HC30
1"— $1\frac{1}{2}$ " (25.4 mm-38.1 mm)	1 HC3	2* HC3	1 HC6	2* (1) HC6 (1) HC6	1 HC9	2* HC9	1 HC12	2* (1) HC12 (1) HC12	1 HC18	2* HC18	1 HC18	2* (1) HC18 (1) HC18	2* HC12	1 HC24	2* (1) HC12 (1) HC12	2* HC18	1 HC30



For pipe diameters from $\frac{3}{4}$ " to $1\frac{1}{2}$ inches, match the pipe length as closely as possible to the cable length. For odd pipe lengths, use two cables with a combined length no more than 3 feet longer than the pipe run. *Start cables from opposite ends of the pipe and run along opposite sides with overrun in the center.

WARNING: Do not spiral cable around pipe or cross cable over itself. Do not use one run of cable for two different pipe runs. Failure to comply may result in overheating and fire.