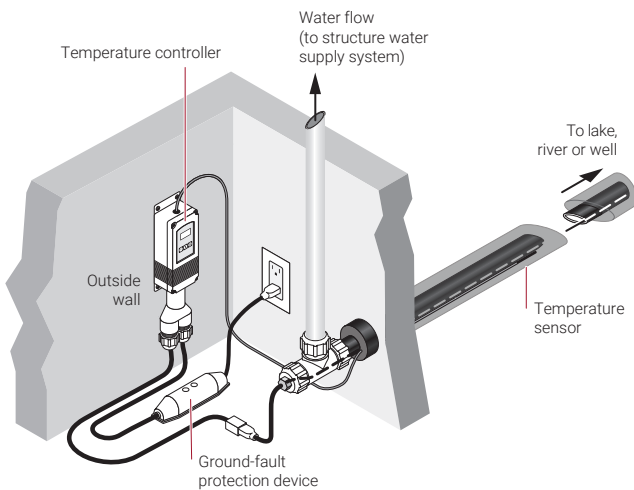


IN-PIPE FREEZE PROTECTION HEATING CABLE



PRODUCT OVERVIEW

Utilizing a heavy-duty cable that is made entirely of metal and mineral insulation, nVent RAYCHEM In-Pipe Miser is an energy efficient in-pipe heating cable for pipes between 14 ft and 240 ft (4.3 m and 73.2 m) in length. In-Pipe Miser includes a ground-fault protected electronic controller and is designed for use with 1 inch and 1-1/4 inch polyethylene pipes that are insulated with closed-cell insulation.

For additional information, contact your nVent representative or call (800) 545-6258.

APPLICATION

Freeze protection of potable water pipes

AREA CLASSIFICATION

Nonhazardous areas

PIPE TYPE

1" and 1-1/4" polyethylene plastic pipes as described below

- I.D. Series 75 & 100 (PE 1404) (SIDR 9)
- I.D. Series 125 (PE 2306, 2406 or 3406 resin) (SIDR 11.5)
- I.D. Series 160 (PE 3408 resin) (SIDR 9)

SUPPLY VOLTAGE

120 Vac

CABLE MATERIAL

Between 14 ft and 60 ft (4.3 m and 18.3 m)

Stainless steel sheathed mineral insulated cable

Between 70 ft and 240 ft (21.3 m and 73.2 m)

Polymer jacketed copper sheathed mineral insulated cable

MINIMUM BEND RADIUS

2 in (50 mm)

ELECTRONIC CONTROLLER

Rating	SPDT, 120 Vac, 16 A; 240 Vac, 8 A
Temperature range	-30°F (-34°C) to 220°F (104°C) (°F or °C user selectable)
Setting	User programmable
Display	LCD digital readout
Sensor lead length	25 ft (7.6 m)

APPROVALS



This product is suitable for use in potable water.

Type -PS,X/D
Made in Canada

ESTIMATING THE LENGTH OF HEATING CABLE REQUIRED

Measure the pipe length while allowing for the contour of the land. The Miser heating cable must be one foot shorter than the pipe, but the pipe may be lengthened, if necessary, to accommodate the heating cable length.

INSTALLATION

For proper installation, refer to the In-Pipe Miser Heating Cable Installation Instructions (H57265). Additional literature is available via the nVent web site, nVentthermal.com.

INSULATION TYPE AND THICKNESS

Closed-cell polyethylene thermal insulation, 1/2-in (13 mm), customer supplied

GROUND-FAULT PROTECTION

To minimize the danger of electrical shock or fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with nVent requirements, agency certifications, and national electrical codes, the ground-fault equipment protection device (GFEPD) supplied with this product must be used. Arcing may not be stopped by conventional circuit breakers.

IN-PIPE MISER PRODUCT SPECIFICATIONS

Catalog number	Length ft (m)	Watts	Nominal weight lb (kg)
MISER-120-14	14 (4.3)	56	9.0 (4.1)
MISER-120-18	18 (5.5)	70	9.5 (4.3)
MISER-120-22	22 (6.7)	85	9.5 (4.3)
MISER-120-26	26 (7.9)	95	9.5 (4.3)
MISER-120-30	30 (9.1)	120	9.5 (4.3)
MISER-120-34	34 (10.4)	130	10.0 (4.5)
MISER-120-40	40 (12.2)	180	12.0 (5.4)
MISER-120-50	50 (15.2)	250	12.0 (5.4)
MISER-120-60	60 (18.3)	240	14.0 (6.4)
MISER-120-70	70 (21.3)	260	12.0 (5.4)
MISER-120-80	80 (24.4)	300	13.0 (5.9)
MISER-120-90	90 (27.4)	400	14.5 (6.6)
MISER-120-100	100 (30.5)	360	15.0 (6.8)
MISER-120-110	110 (33.5)	435	17.0 (7.7)
MISER-120-120	120 (36.6)	600	16.0 (7.3)
MISER-120-130	130 (39.6)	555	17.0 (7.7)
MISER-120-140	140 (42.7)	515	18.0 (8.2)
MISER-120-150	150 (45.7)	770	24.0 (10.9)
MISER-120-160	160 (48.8)	720	23.0 (10.4)
MISER-120-170	170 (51.8)	680	24.5 (11.1)
MISER-120-180	180 (54.9)	800	26.0 (11.8)
MISER-120-190	190 (57.9)	760	28.0 (12.7)
MISER-120-200	200 (61.0)	1030	32.0 (14.5)
MISER-120-210	210 (64.0)	980	30.0 (13.6)
MISER-120-220	220 (67.1)	935	31.0 (14.1)
MISER-120-230	230 (70.1)	895	34.0 (15.4)
MISER-120-240	240 (73.2)	860	36.0 (16.3)

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