

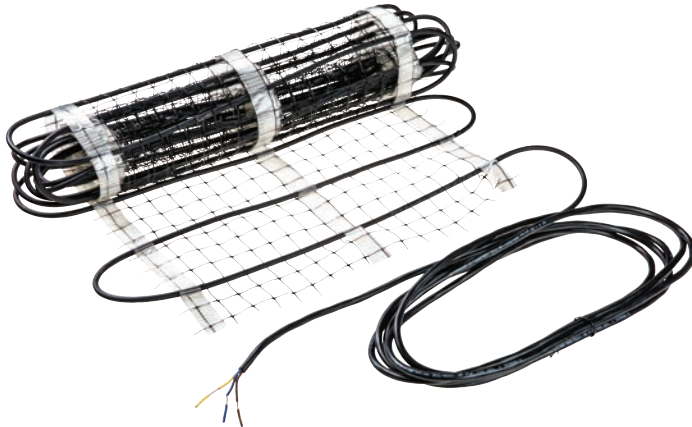
WinterGard Mesh Surface Snow Melting System



RAYCHEM

CONNECT AND PROTECT

PRODUCT OVERVIEW



The nVent RAYCHEM WinterGard Mesh Surface Snow Melting System is designed for installation in concrete, asphalt, or sand/limestone screenings under paving stones.

- Constant wattage cable configured for 50 W/ft²
- Available in 120 Vac & 240 Vac
- Offered in 2 ft and 3 ft widths
- Covers between 10 ft² and 120 ft² with a single mesh roll
- Includes 16.4 ft (5 m) cold lead for termination in a junction box

SPECIFICATIONS

Nominal power output in W/ft ² (W/m ²)	50 (538)
Cold lead length in ft (meters)	16.4 (5)
Maximum exposure temperature in °F (°C)	221 (105)
Minimum installation temperature in °F (°C)	23 (-5)
Minimum bend radius in inches	6 times the cable's outside diameter

APPROVALS



Usage WS, X and Type C

WINTERGARD MESH PRODUCT SELECTION

Catalog #	Voltage (Vac)	Width (ft)	Length (ft)	Area (ft ²)	Resistance (Ω)	Power (W)
WM1-0205	120	2	5	10	28.8	500
WM1-0210	120	2	10	20	14.4	1000
WM1-0215	120	2	15	30	9.6	1500
WM1-0220	120	2	20	40	7.2	2000
WM1-0225	120	2	25	50	5.8	2500
WM1-0230	120	2	30	60	4.8	3000
WM1-0310	120	3	10	30	9.6	1500
WM1-0315	120	3	15	45	6.4	2250
WM1-0320	120	3	20	60	4.8	3000

Catalog #	Voltage (Vac)	Width (ft)	Length (ft)	Area (ft ²)	Resistance (Ω)	Power (W)
WM2-0205	240	2	5	10	115.2	500
WM2-0210	240	2	10	20	57.6	1000
WM2-0215	240	2	15	30	38.4	1500
WM2-0220	240	2	20	40	28.8	2000
WM2-0225	240	2	25	50	23.0	2500
WM2-0230	240	2	30	60	19.2	3000
WM2-0235	240	2	35	70	16.5	3500
WM2-0240	240	2	40	80	14.4	4000
WM2-0245	240	2	45	90	12.8	4500
WM2-0250	240	2	50	100	11.5	5000
WM2-0260	240	2	60	120	9.6	6000
WM2-0310	240	3	10	30	38.4	1500
WM2-0320	240	3	20	60	19.2	3000
WM2-0325	240	3	25	75	15.4	3750
WM2-0330	240	3	30	90	12.8	4500
WM2-0340	240	3	40	120	9.6	6000

GROUND-FAULT PROTECTION

To minimize the danger of fire from sustained electrical arcing (if the heating cable is damaged or improperly installed) and to comply with the requirements of nVent, certification agencies, and national electrical codes, ground fault equipment protection must be used on each heating cable branch circuit. Arcing may not be stopped by conventional circuit protection.

nVent RAYCHEM offers control and monitoring solutions designed to work with WinterGard Mesh, such as...

Snow controllers

- **PD Pro:** Automated control unit that works with up to two snow/ice sensors to activate the system at temperatures below 38°F (3.3°C) in the presence of moisture
 - Must be used with a separate 30 mA ground fault circuit interrupter
- **GF Pro:** Automated control unit with 30 mA GFCI that works with up to two snow/ice sensors to activate the system at temperatures below 38°F (3.3°C) in the presence of moisture
 - Includes 30 mA ground fault circuit interrupter
- **RCU-3 & RCU-4:** Remote control devices that work with PD Pro and GF Pro respectively

Snow sensors

- **Snow Owl:** Aerial snow sensor
- **SIT-6E:** Pavement mounted snow & ice sensor

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