



Description

DEKORON®/Unitherm™ Self-Regulating Electric Traced Tubing is a thermally insulated fluid transport line for use in applications requiring freeze protection or condensation prevention. The energy-efficient design provides a temperature maintenance of up to 250°F (121°C). Available in 120/240 VAC. Bundles in this Series are FM Approved & The Self-Regulating Heating Element is approved by CSA & ATEX.

Features:

- Compact Design
- Low heat loss
- Low-maintenance
- Employee protection
- Easy to install
- Light, durable, easy to handle
- Consistent thermal characteristics

Applications:

- Process Analyzers
- Stack Gas sampling
- Gas transport lines
- Liquid transport lines
- Analyzer and instrument lines
- Small diameter process lines
- Impulse lines – D/P cells

This picture is for presentation purposes only, it does not represent actual product.

Construction

1. (1) 1/4" O.D. x .049" Wall Type 316/316L ASTM A269 Seamless Stainless Steel Process Tube (Heated)
2. 5 Watts/Ft 240 VAC Low Temperature Self-Regulating Heater (Chromalox SRL)
3. Aluminum Mylar Thermal Barrier
4. Non-Wicking Inorganic Fibrous Glass Thermal Insulation
5. 105°C Black FR-LTPVC (Flame Retardant Low Temperature Polyvinyl Chloride) Jacket

*Bundle Approvals:

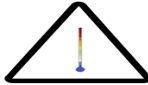

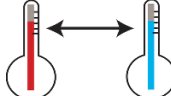
FM Class 1 Division 2 Groups B, C, & D)

MECHANICAL SPECIFICATIONS										
	Nominal OD		Min. Bending Radius		Working Pressure ¹		Max. Continuous Length		Weight	
	Inches	Millimeter	Inches	Centimeter	PSI	Barg	Foot	Meter	Lbs/FT	Kgs/Me
	1.41	35.8	9.6	24.4	7764	535	900	274	0.56	0.83

¹ Working Pressure based on the MTR of this item in relation to the tables ASME B31.1-2001 and ASME B31.3-2001.

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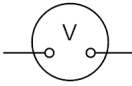
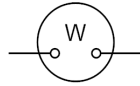

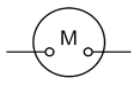

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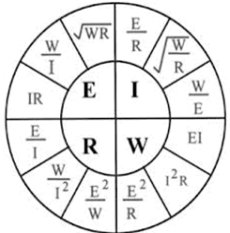
TEMPERATURE SPECIFICATIONS			Design Temp. Maintenance			Low Ambient Temp.	
	Max Temp. Rating 1: °F °C	Minimum Install. Temp 2: °F °C	°F	°C	°F	°C	°F
	150 66	-25 -31	71	22	_____	-40	-39
			77	25	_____	-20	-28
			82	28	_____	0	-17
			88	31	_____	20	-6

¹ Maximum Temperature Rating indicates the maximum temperature that the core of the bundle can withstand at the high ambient temperature of 80°F(26°C). Temperatures in excess of this rating may result in deterioration of the components. It does not represent maintenance temperature or rating of components distant from the core.

² Minimum Installation Temperature relates to the brittleness of this item's jacket material, during installation. Ambient operating temperature for this item per jacket material as follows:

	Low	High
PVC	-36°F/-38°C	221°F/105°C
DSJM	-50°F/-45°C	221°F/105°C
TPU	-45°F/-43°C	212°F/100°C
TPE	-50°F/-45°C	257°F/125°C
PE	-76°F/-60°C	158°F/70°C

ELECTRICAL SPECIFICATIONS					
	Voltage	Wattage Per Foot Meter	Max Circuit Length Foot Meter	Amps Per Foot Meter	Breaker Amps
	240	5 16	520 158	0.021 0.068	30.00



General Info

L = Length
W = Watts
I = Amps
E = Volts

Power Adjustment Factors

(Actual E²/Heater E²)*Heater W = Actual W
e.g. (220V²/240V²)*18w/ft=15w/ft

Total Wattage

L*W= Total Wattage
e.g. 100ft*18w/ft=1800 total wattage

Current Draw

(L*W)/E=I
e.g. (100ft*18w/ft)/240V=7.5A

Recommended Accessories



Electrical Connection & Termination Kit

End-Boots

Cable Entry Seals

Unicut™ Bundle Jacket Cutter

Seal Patch Kits

Bundle Bender

Assigned accessories to item:

*1548-30110**1548-30310**BOOT-2**SEAL 1.60**1535-02120**1540-10000/1540-20000*

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