

Electric Traced Tubing Series 2252 CPD 2262 CPD



Constant Power Density Electric Traced Tubing

DEKORON®/Unitherm™ Series 2252/2262 Constant Power Density (CPD) Electric Traced Tubing is a thermally insulated fluid transport line for use in applications requiring freeze protection, temperature maintenance, or viscosity maintenance of liquids or gasses. Each line is comprised of the following elements:

- Single or Multiple process tube(s)
- Constant Power Density Heating Element with Tinned-Copper Braid
- Heat reflective foil wrap
- Moisture-resistant, non-wicking, inorganic fibrous glass thermal insulation
- Choice of weather protective jacket

The Constant Power Density Heating Element allows for a wide range of temperature maintenance applications. The standard product is available with an 12 watt per foot, 120 VAC heater and will maintain a single process tube above 200°F (93°C) at a -40°F (-40°C) ambient.

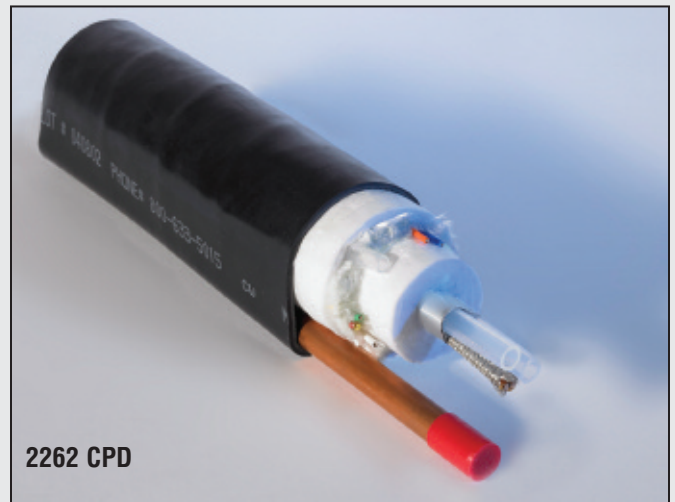
Bundles in this Series are FM Approved for use in Class I Division 2, Group B, C, and D; Class II Division 2, Group F, and G; and Class III, Division 2 Hazardous areas. **Optional power and control wires can be supplied in FM Approved bundles.** The Constant Power Density Heating Element is approved by CSA for pipe and vessel tracing applications under designations 3A, 3B, 3C, 5A and 5B in Class 1, Division 2, Groups A, B, C and D hazardous locations.

Additional features of this product are:

- Pre-insulated and pre-fabricated for installation costs up to 40% lower than field fabrication.
- Pre-engineered for reduced design cost and predictable operational characteristics
- Bundles can contain integral power and signal wires that are pre-approved for use in hazardous locations.
- Bundles are lightweight and easy to bend
- Smaller OD than field fabricated lines means better use of mounting space.
- Maintenance-free – no open seams, no gaps in insulation.
- Consistent and predictable thermal characteristics

Applications for this product:

- Stack gas sampling lines
- Analyzer and instrument lines
- Small diameter process lines
- Impulse lines



2262 CPD



2252 CPD

Standard Products in this Series

Part No	Tube OD	Tube Material	Heater
2252-20A14	1/4x0.035	WLD 316/316L SS	12/120 CPD
2252-24A14	1/4x0.040	PFA Fluoropolymer	12/120 CPD
2252-27A14	1/4x0.035	SMLS 316/316L SS	12/120 CPD
2252-30A14	3/8x0.035	WLD 316/316L SS	12/120 CPD
2252-34A14	3/8x0.062	PFA Fluoropolymer	12/120 CPD
2252-37A14	3/8x0.035	SMLS 316/316L SS	12/120 CPD

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Technical Information

Electrical Specifications

Heater Type	Constant Power Density
Heater Insulation	PFA 600 V Rated
Maximum Heater Exposure Temperature	446°F (230°C)
Circuit Length	260 feet or greater
Bus Wire Size	12 AWG
Power Output	12 watts/foot @ 120 VAC 12 watts/foot @ 208 VAC 12 watts/foot @ 240 VAC 12 watts/foot @ 277 VAC
Maximum Jacket Surface Temperature at 400°F (204°C) tube temperature and 80°F (27°C) ambient	140°F (60°C)
Temperature Rating per N.E.C. 500	T2C

Electric Traced Tubing Accessories

Electric Traced Tubing Accessories	Product Number
Seal-Tite End Boots	Single Tube Dual Tube
Uniseal Cable Entry Seals	for Bundles up to 1.375" OD for Bundles up to 2.62" OD
Unicut™ Bundle Jacket Cutter	
RTV Silicone End Sealant	3 oz. tube 10.3 oz. Cartridge
Seal Patch Kits	8" x 8" Self-Sealing Patch 8" x 8' Self-Sealing Roll
Electrical Connection Kit with connection box	
Line Sensing Thermostat	Ordinary Locations Hazardous Locations
Ambient Sensing Thermostat	Ordinary Locations Hazardous Locations

Product Specifications 2252/2262 CPD

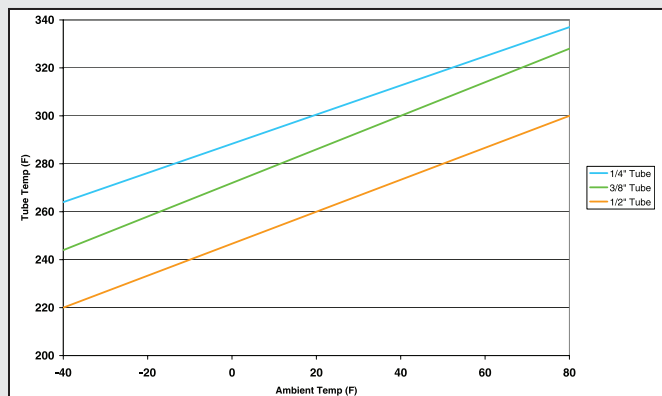
Tube O.D.	Standard Wall Thickness***	Material (1)	ASTM	Working Pressure @400°F	Nominal Bundle O.D.	Nom. Wght Lbs/ft.	Max. Bend Radius
1/4"	.035"	316/316L-S/S WLD	A-269	4225 psi**	1.33"	0.56	8"
3/8 "	.035"	316/316L-S/S WLD	A-269	2700 psi**	1.40"	0.60	9"
1/2 "	.035"	316/316L-S/S WLD	A-269	1980 psi**	1.50"	0.65	10"
1/4"	.040"	PFA	D-6867	30 psi**	1.33"	0.50	8"
3/8 "	.062"	PFA	D-6867	40 psi**	1.40"	0.53	9"
1/2 "	.062"	PFA	D-6867	30 psi**	1.50"	0.60	10"

NOTES:

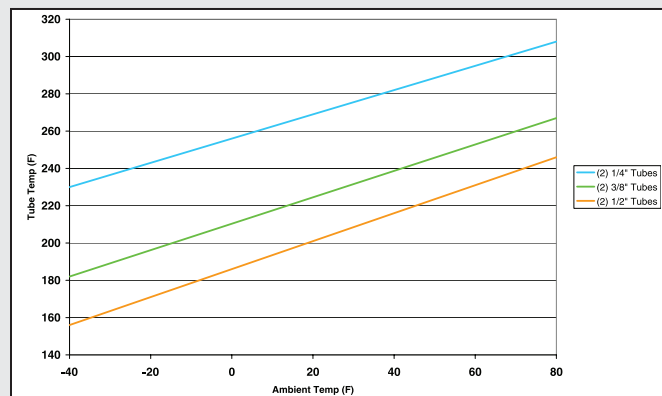
Minimum recommended installation temperature for PVC -25°F (-32°C)
 ** Values given are for welded, seamless slightly higher
 ***Heavier wall thickness available upon request
 (1) Other tube materials available

Standard Jacket is Black, 105C lead free, LT-FRPVC
 Alternate Jacket Materials – 125°C FR-TPE, FRPE, FR-Urethane
 Product Rating: 400°F (204°C)

2252 CPD Heater



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