

Steam Traced Tubing

IMPERIAL SIZES

Series 2212
2214

DEKORON®
Unitherm™
Tubing Bundle Experts Since 1962

High Temperature Light Steam Traced Tubing

Dekorun® Unitherm™ Series 2212/2214 Light Steam Traced Tubing is thermally insulated and prefabricated. These performance-engineered products are designed to protect process fluids from freezing in process lines using saturated steam where the process operating temperatures exceed 400°F. The tubes are cabled to provide solid contact and consistent heat transfer throughout the bundle length.

Each line is comprised of the following elements:

- **Single or multiple metal process tube(s)**
- **Metal steam tracer tube cabled with, but insulated from the process tube(s)**
- **Moisture resistant, non-wicking, inorganic fibrous glass thermal insulation sized for maximum operating temperature**
- **Seamless, weather protective jacket, choice of: lead-free low temperature FRPVC; halogen-free FRTPU; flame retardant 125°C Rated FRTPE**

The compact energy-efficient design keeps the outer jacket at or below 170°F while transporting fluids at temperatures up to 750°F

Additional features of this product are:

- **Compact design**
- **Low heat loss**
- **Light, durable, easy to handle**
- **Low maintenance**
- **Employee protection**
- **Easy to install**
- **Cost savings of up to 50% over field fabrication**
- **Consistent and predictable thermal characteristics**

2212/2214 High Temperature Designs:

These products are designed for operation at maximum process temperatures of 500°F, 600°F, and 750°F. Higher temperature designs to 1100°F with certain materials are available. Contact Dekorun Unitherm for details.



Applications for this product:

- **High temperature sampling and instrument lines**
- **Small Diameter high temperature process lines**
- **Transport lines for high viscosity materials that must be kept at elevated temperatures**
- **Impulse lines—D/P Cells**

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Product Specifications 2212/2214 High Temperature Heavy Steam Traced Tubing Bundles

Op Temp °F	Process Tube OD (in)	Tracer Tube OD (in)	Bundle OD (in)	Nom. Weight (lbs/ft)	Nom. Heat Loss BTU/Hr-ft	Min. Bend Radius (in)
500	3/8	3/8	2.10	0.76	74	13
	1/2	3/8	2.30	0.90	119	14
	1/2	1/2	2.40	1.06	121	14
	(2) 3/8	3/8	2.35	0.92	125	14
	(2) 1/2	3/8	2.45	1.16	118	15
	(2) 1/2	1/2	2.75	1.30	125	16

Op Temp °F	Process Tube OD (in)	Tracer Tube OD (in)	Bundle OD (in)	Nom. Weight (lbs/ft)	Nom. Heat Loss BTU/Hr-ft	Min. Bend Radius (in)
600	3/8	3/8	2.40	0.90	85	14
	1/2	3/8	2.65	1.14	132	16
	1/2	1/2	2.75	1.55	134	16
	(2) 3/8	3/8	2.50	1.06	146	15
	(2) 1/2	3/8	2.80	1.36	134	17
	(2) 1/2	1/2	2.95	1.50	148	18

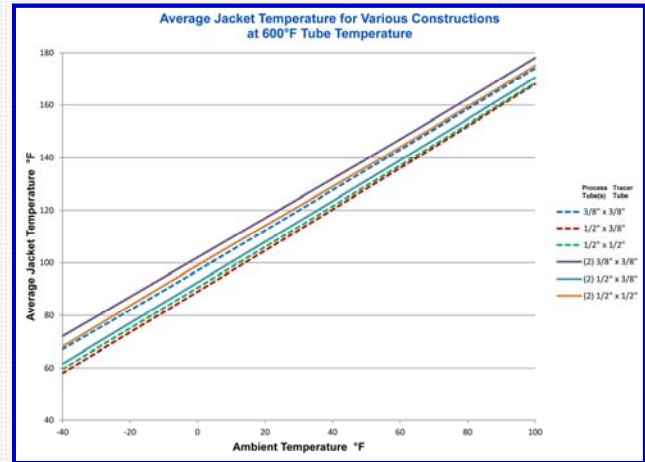
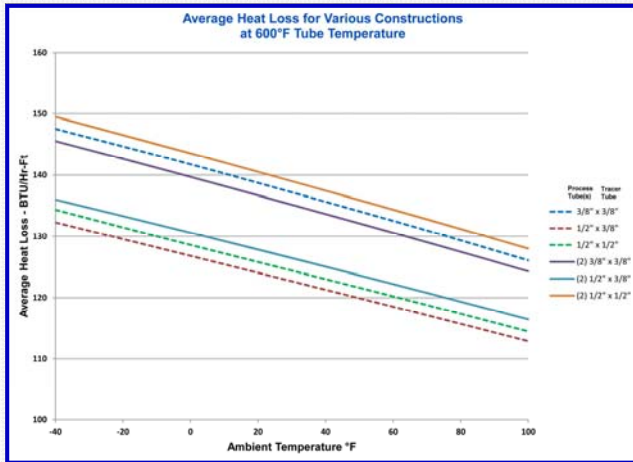
Note: Nominal jacket surface temperature for 2212/2214 bundles is 170°F or less at an ambient temperature of 80°F and a tube temperature of 750°F.

Process and Tracer Tube Specifications:

Op Temp °F	Process Tube OD (in)	Tracer Tube OD (in)	Bundle OD (in)	Nom. Weight (lbs/ft)	Nom. Heat Loss BTU/Hr-ft	Min. Bend Radius (in)
750	3/8	3/8	2.95	1.30	88	18
	1/2	3/8	3.10	1.53	153	19
	1/2	1/2	3.25	1.63	155	20
	(2) 3/8	3/8	3.20	1.52	153	19
	(2) 1/2	3/8	3.30	1.76	155	19
	(2) 1/2	1/2	3.40	2.06	158	20

Tube OD (in)	Tube Wall ¹	Standard Tube Material ²	Tubing Specs (ASTM) ³	Working Pressure ⁴
3/8	0.035"	T316/T316L WLD SS	A-269 / A-213 EAW	5170 psi
3/8	0.049"	T316/T316L WLD SS	A-269 / A-213 EAW	3310 psi
1/2	0.035"	T316/T316L WLD SS	A-269 / A-213 EAW	2430 psi
1/2	0.049"	T316/T316L WLD SS	A-269 / A-213 EAW	1810 psi

- Notes:**
- Standard tube wall thickness shown. Heavier wall thickness available, contact Dekoron Unitherm for details.
 - Seamless stainless steel and most stainless steel alloys, including high-nickel alloys are available, contact Dekoron Unitherm for details.
 - ASTM Standards for standard tube materials shown. Other alloys will be covered by separate Standards.
 - Working pressure on stainless steel tubing shown for welded tubing at 750°F, seamless tubing will be higher. Contact Dekoron Unitherm for details.



To find the Heat Loss of other 2212/14 Steam Traced Tubing Sizes:

Multiply the values show above by the factor for the model number shown:

Tube Temperature	500F	750F
Heat Loss	0.87	1.12

To find the Jacket Temperature of other 2212/14 Steam Traced Tubing Sizes:

Multiply the values show above by the factor for the model number shown:

Tube Temperature	500F	750F
Heat Loss	0.99	1.02

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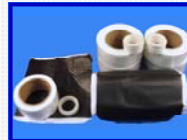
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For additional information visit our website:
www.unithermcc.com

Heat Shrink End Boots



Seal Patch Kit



RTV End Sealant



Entry Seals



Steam Traced Tubing Accessories:

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