

# Steam Traced Tubing

## IMPERIAL SIZES

Series 2201  
2203

DEKORON®  
**Unitherm™**  
Tubing Bundle Experts Since 1962

### Heavy Steam Traced Tubing

Dekorons® Unitherm™ Series 2201/2203 Heavy Steam Traced Tubing is thermally insulated and prefabricated. These performance-engineered products are designed to maintain fluid temperature viscosity in process lines using saturated steam. 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 or polymer process tube(s)
- Metal steam tracer tube cabled with, and in constant contact with the process tube(s)
- Heat-reflecting foil wrap
- Moisture resistant, non-wicking, inorganic fibrous glass thermal insulation
- 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 140°F while transporting fluids at temperatures up to 400°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

### Applications for this product:

- Analyzer and instrument lines
- Small Diameter process lines
- Impulse lines—D/P Cells



### Standard Products in this Series:

2201-40A21	2201-47A31-H0S	2203-40B30
2201-40A30	2201-47A37-H0S	2203-47B31
2201-40A31	2201-67A31-H0S	2203-47B37
2201-47A30		2203-47B37-H0S

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### Product Specifications 2201/2203 Heavy Steam Traced Tubing Bundles

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)
1/4	1/4	1.2	0.5	61	8
3/8	1/4	1.5	0.6	77	9
3/8	3/8	1.6	0.7	85	10
1/2	3/8	1.6	0.9	88	10
1/2	1/2	1.7	1.0	90	10
3/4	1/2	2.0	1.2	92	12
(2) 1/4	3/8	1.3	0.9	62	8
(2) 3/8	3/8	1.4	1.0	80	9
(2) 1/2	3/8	1.6	1.1	94	10
(2) 1/2	1/2	1.8	1.2	96	12

**Note:** Nominal jacket surface temperature for 2201/2203 bundles is 140°F at an ambient temperature of 80°F and a tube temperature of 400°F.

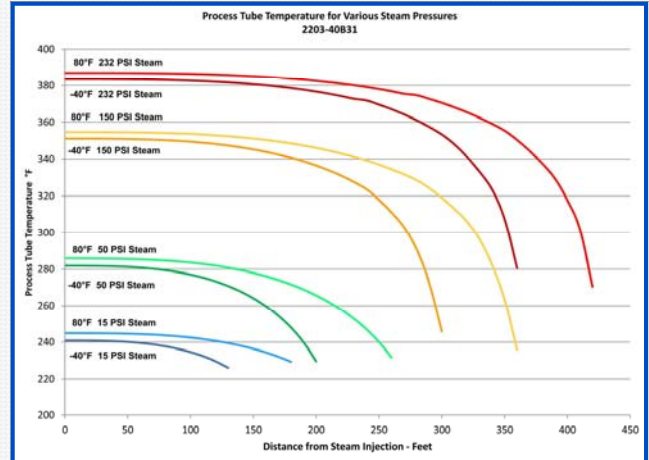
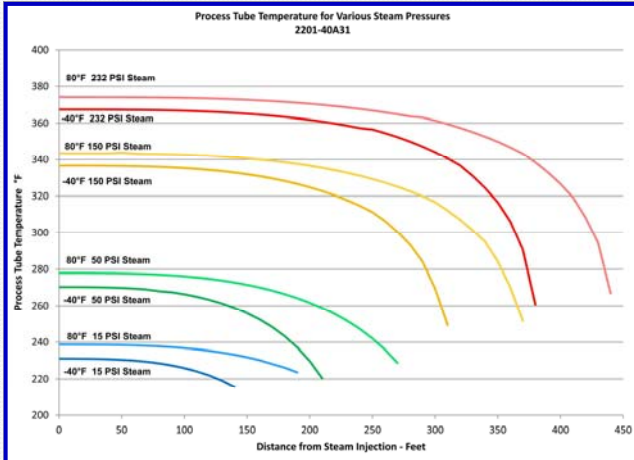
#### Process Tube:

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

#### Tracer Tube:

Tube OD (in)	Tube Wall <sup>3</sup>	Standard Tube Material <sup>2</sup>	Tubing Specs (ASTM)	Working Pressure <sup>3</sup>
1/4	0.030"	#122 DHP Copper	B-68 / B-75	670 psi
3/8	0.032"	#122 DHP Copper	B-68 / B-75	450 psi
1/2	0.035"	#122 DHP Copper	B-68 / B-75	360 psi
1/2	0.049"	T316/T316L WLD SS	A-269 / A-213 EAW	2430 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, seamless tubing will be higher.



#### To find performance of other 2201 Steam Traced Tubing Sizes:

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

	2201-30A20	2201-30A30	2201-40A20	2201-40A30
Tube Temperature	1.01	1.02	1	1
Run Distance	0.3	1	0.3	1

#### To find performance of other 2203 Steam Traced Tubing Sizes:

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

	2203-30B20	2203-30B30	2203-40B20	2203-40B30
Tube Temperature	1.01	1.02	1	1
Run Distance	0.3	1	0.3	1

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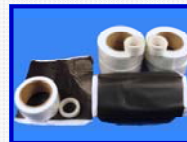
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For additional information visit our website:  
[www.unithermcc.com](http://www.unithermcc.com)

#### Heat Shrink End Boots



#### Seal Patch Kit



#### RTV End Sealant



#### Entry Seals



### Steam Traced Tubing Accessories:

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