

# Light Steam Traced Tubing

IMPERIAL SIZES

Series 2202  
2204

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

## Light Steam Traced Tubing Bundles

Dekoron® Unitherm™ Series 2203 and 2204 Light Steam Traced tubing bundles are designed to protect a process fluid from freezing at ambient temperatures to -40°F using saturated steam. Each bundle consists of:

- Single or multiple pre-insulated metal or polymer process tube(s)
- Pre-insulated metal steam tracer tube cabled with, and in constant contact with the process tube(s)
- 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

Designed for light tracing of process, sampling and impulse lines, Series 2202/2204 bundles are recommended for use in situations where heavy tracing will cause high temperature degradation or boil-off of the process fluids. Highly efficient and compact, these products are designed to limit the jacket temperature to a nominal surface temperature of 140°F or lower at ambient temperatures of 80°F using 400°F (232 PSIG) saturated steam.

Maximum temperature rating of Series 2201/2204 is 400°F. Operating at higher temperatures may result in deterioration of the components or changes in operational characteristics.

Higher temperature designs for tracing applications up to 1100°F are also available as Series 2212/2214.

## 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:

2202-40A21	2202-47A30	2204-47B31
2202-40A30	2201-47A31	2204-47B37
2202-40A31	2201-47A31-HOS	2204-47B31-HOS

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## Product Specifications 2202/2204 Light 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	1.4	0.6	40	8
3/8	3/8	1.6	0.7	40	10
1/2	3/8	1.7	0.8	40	10
(2) 1/4	3/8	1.3	0.8	40	8
(2) 3/8	3/8	1.8	0.9	40	11
(2) 1/2	3/8	1.9	1.0	40	12

**Note:** Nominal jacket surface temperature for 2202/2204 bundles is 140°F at an ambient temperature of 80°F and a tube temperature of 400°F.

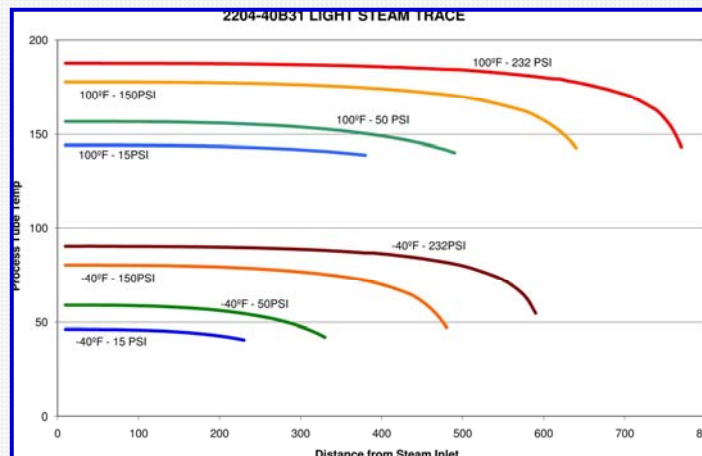
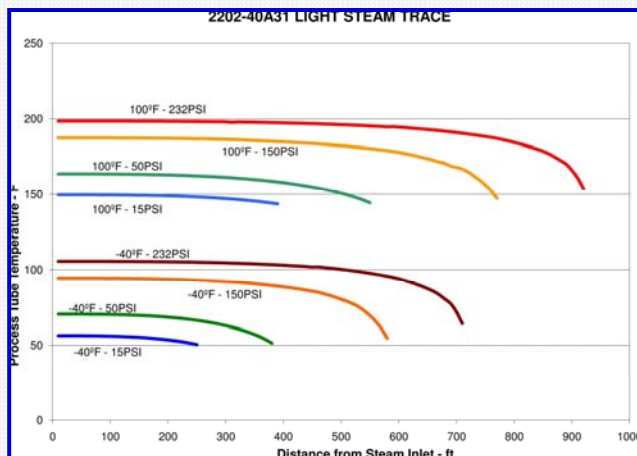
### Process Tube:

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

### 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
3/8	0.035"	#122 DHP Copper	B-68 / B-75	360 psi

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



### To find performance of other 2202 Steam Traced Tubing Sizes:

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

2202-30A30    2202-40A30

Tube Temperature	1.01	1
Run Distance	1	1

### To find performance of other 2204 Steam Traced Tubing Sizes:

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

2204-30B30    2204-40B30

Tube Temperature	1.01	1
Run Distance	1	1

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For additional information visit our website:  
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#### Heat Shrink End Boots



#### Seal Patch Kit



#### RTV End Sealant



#### Entry Seals



### Steam Traced Tubing Accessories:

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