

# Steam Traced Tubing Series 2202/2204

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

## Light Steam Traced Tubing

DEKORON®/Unitherm™ Series 2202/2204 Light Steam Traced Tubing bundles are designed to protect a process fluid from freezing at ambient temperatures to -40°F (-40°C) using saturated steam. Each bundle consists of:

- **Single or multiple, individually insulated metal or polymer process tubes**
- **Insulated metal steam tracer tube covered with a heat reflecting foil**
- **Moisture-resistant, non-wicking, inorganic, fibrous glass thermal insulation**
- **Seamless, weather-protective, lead free, low-temperature PVC outer jacket.**

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 to a nominal surface temperature of 140°F (60°C) or lower, at 80°F (26°C) ambient conditions, with tracer conditions at 400°F (204°C) 232.6 PSIG saturated steam. Higher temperature designs, for tracing applications up to 1000°F (538°C), are also available. Maximum Temperature Rating = 400°F.\*

The standard jacket is a black, 105°C, lead-free, LT-FRPVC. Alternate jacket materials are available including: 125°C FR-TPE and FR-Urethane.

## Additional features of this product are:

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

## Applications for this product:

- **Analyzer and instrument lines**
- **Small diameter process lines**
- **Impulse lines – D/P cells**

\*Maximum Temperature Rating (MTR) is the design condition for which this product is manufactured. Temperatures in excess of this rating may result in deterioration of the components or changes in the operational characteristics.



## Standard Products in this Series

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

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# Steam Traced Tubing Series 2202/2204

## Product Specifications

Process Tube OD	Tracer Tube OD	Bundle OD	Nom. Weight (lbs/ft)	Nom. Heat Loss BTU/hr/ft	Min. Bend Radius
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"

## Process Tube

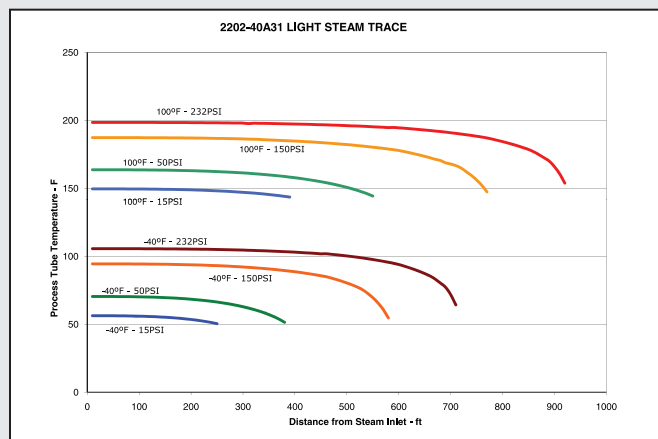
Process Tube OD	Tube Wall	Standard Tube Thickness Material	Tubing Spec (ASTM)	Working Pressure @ 400°F
1/4"	0.035"	T316/T316L WLD SS	A-269/A-213 EAW	5170 psi**
3/8"	0.035"	T316/T316L WLD SS	A-269/A-213 EAW	3310 psi**
1/2"	0.035"	T316/T316L WLD SS	A-269/A-213 EAW	2430 psi**
(2)1/4"	0.035"	T316/T316L WLD SS	A-269/A-213 EAW	5170 psi**
(2)3/8"	0.035"	T316/T316L WLD SS	A-269/A-213 EAW	3310 psi**
(2)1/2"	0.035"	T316/T316L WLD SS	A-269/A-213 EAW	2430 psi**

## Tracer Tube

Tracer Tube OD	Tube Wall Thickness	Standard Tube Material	Tubing Spec (ASTM)	Working Pressure @ 400°F
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**

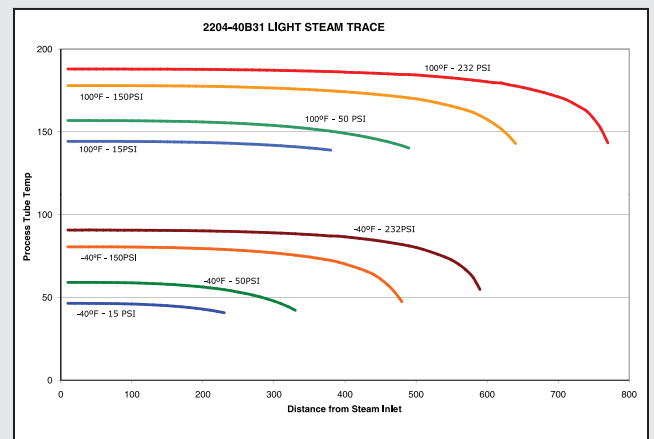
## NOTES:

Nominal jacket surface temperature 104°F (60°C) @ 80°F (26°C) ambient and 400°F tube operating temperature • Metric available 6.8 and 10 mm O.D. x 1 mm WT Standard • \*\* Values given are for welded, seamless slightly higher • \*\*\*Heavier wall thickness available upon request • (1) Other tube materials available • Standard Jacket is Black, 105°C lead free, LT-FRPVC • Alternate Jacket Materials – 125°C FR-TPE, FR-Urethane • Product Rating 400°F (204°C)



### Instructions for Performance Curves for 2202 Family

	2201-30A30	2201-40A30
Tube Temperature	1.01	1
Run Distance	1	1



### Instructions for Performance Curves for 2204 Family

	2204-30B30	2202-40B30
Tube Temperature	1.01	1
Run Distance	1	1