

Heavy Steam Traced Tubing

DEKORON®/Unitherm™ Series 2201/2203 Heavy Steam Traced Tubing is thermally insulated and prefabricated. These performance-engineered products are designed to maintain fluid temperature or viscosity in process lines using saturated steam. The tubes are cabled to provide solid contact and consistent heat transfer throughout the bundle length. Each bundle consists of:

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

The compact energy-efficient design keeps the outer jacket at or below 140°F (60°C) while transporting fluids at temperatures up to 400°F (204°C).

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
- 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

Steam Traced Tubing Series 2201/2203

Product Specifications 2201/2203 Heavy Traced Tubing Bundles

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"	1.2"	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	11"

Process Tube

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

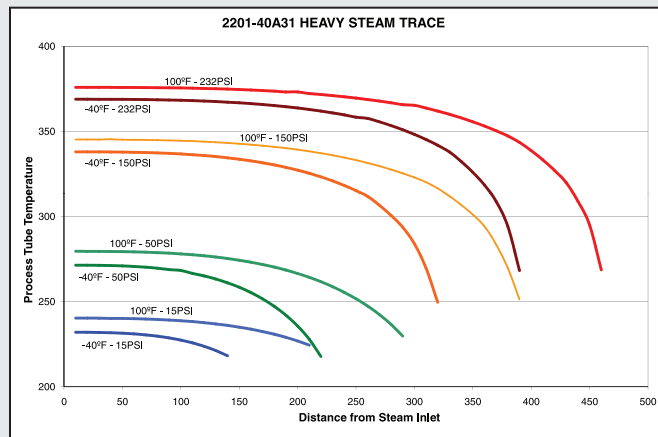
Tracer Tube OD	Tube Wall Thickness	Standard Tube Material	Tubing Spec (ASTM)	Working Pressure @ 400°F
1/4"	0.030	#122 DHP Copper	B-68 B-75	670 psi**
3/8"	0.032	#122 DHP Copper	B-68 B-75	450 psi**
1/2"	0.035	#122 DHP Copper	B-68 B-75	360 psi**
1/2"	0.049	T316/T316L WLD SS	A-269/A-213 EAW	2430 psi**

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

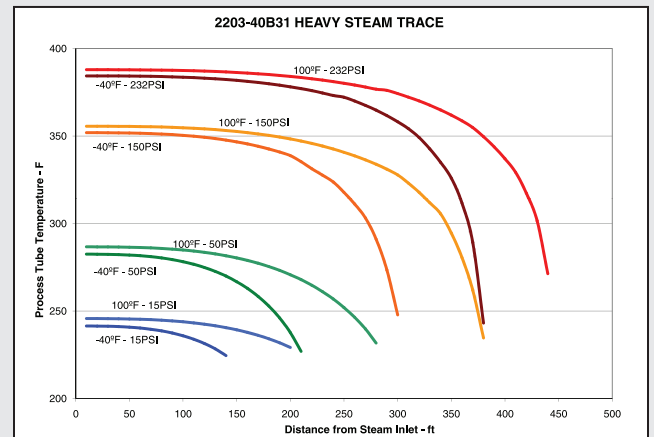
** Values given are for welded, seamless slightly higher

*** Heavier wall thickness available upon request



Instructions for Performance Curves for 2201 Family

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



Instructions for Performance Curves for 2203 Family

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