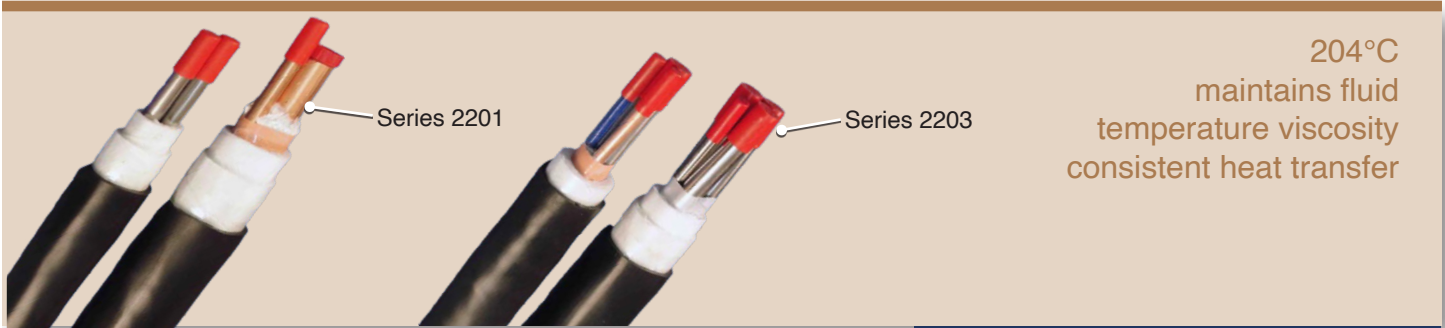


# Steam Traced Tubing Heavy Steam Traced

Series 2201 & 2203  
Metric Sizes



204°C  
maintains fluid  
temperature viscosity  
consistent heat transfer

## Applications

- Analyzer and Instrument Lines
- Small Diameter Process Lines
- Impulse Lines—D/P Cells

## Features

- 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
- Made in USA

## Standard Products in this Series

|            |                |                |
|------------|----------------|----------------|
| 2201-Q0AN1 | 2201-Q7AQ1-H0S | 2203-Q0BQ0     |
| 2201-Q0AQ0 | 2201-Q7AQ0-H0S | 2203-Q7BQ1     |
| 2201-R0AQ1 | 2201-R7AQ1-H0S | 2203-R7BQ7     |
| 2201-R7AQ0 | 2201-R7AQ7-H0S | 2203-R7BQ7-H0S |

## Scope

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 60°C while transporting fluids at temperatures up to 204°C



SI

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

| Process Tube OD (mm) | Tracer Tube OD (mm) | Bundle OD (mm) | Nom. Weight (Kg/m) | Nom. Heat Loss W/m | Min. Bend Radius (mm) |
|----------------------|---------------------|----------------|--------------------|--------------------|-----------------------|
| 6                    | 6                   | 30.5           | 0.7                | 70                 | 18                    |
| 10                   | 6                   | 38.1           | 0.9                | 72                 | 23                    |
| 10                   | 10                  | 40.6           | 1.0                | 85                 | 24                    |
| 12                   | 10                  | 40.6           | 1.3                | 94                 | 24                    |
| 12                   | 12                  | 43.2           | 1.4                | 104                | 26                    |
| 16                   | 12                  | 50.8           | 1.8                | 118                | 30                    |
| (2) 6                | 10                  | 33.0           | 1.3                | 76                 | 20                    |
| (2) 10               | 10                  | 35.6           | 1.4                | 77                 | 21                    |
| (2) 12               | 10                  | 40.6           | 1.6                | 91                 | 24                    |
| (2) 12               | 12                  | 45.7           | 1.8                | 100                | 30                    |

**Note:** Nominal jacket surface temperature for 2201/2203 bundles is 60°C at an ambient temperature of 27°C and a tube temperature of 204°C

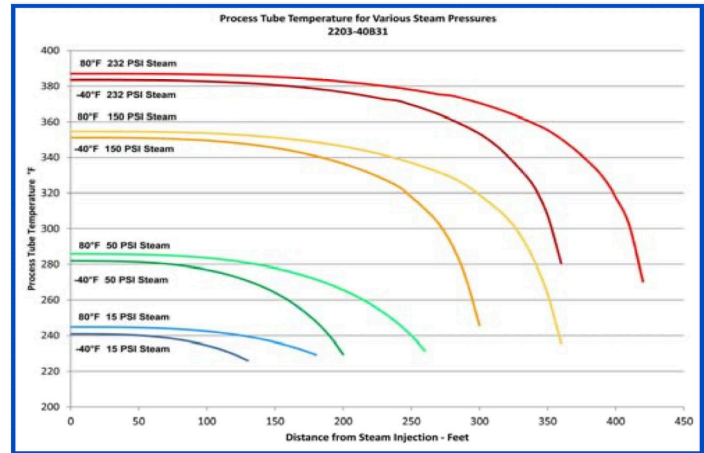
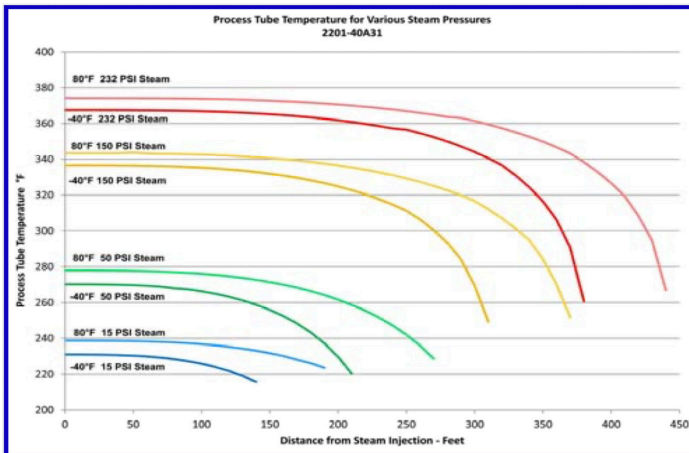
### Process Tube:

### Tracer Tube:

| Tube OD (mm)  | 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) 6  | 1 mm                   | T316/T316L WLD SS                   | A-269 / A-213 EAW                | 346 Bar                       |
| (1) or (2) 10 | 1 mm                   | T316/T316L WLD SS                   | A-269 / A-213 EAW                | 195 Bar                       |
| (1) or (2) 12 | 1 mm                   | T316/T316L WLD SS                   | A-269 / A-213 EAW                | 160 Bar                       |
| (1) or (2) 16 | 1 mm                   | T316/T316L WLD SS                   | A-269 / A-213 EAW                | 118 Bar                       |

| Tube OD (mm) | Tube Wall <sup>1</sup> | Standard Tube Material <sup>2</sup> | Tubing Specs (ASTM) <sup>3</sup> | Working Pressure <sup>4</sup> |
|--------------|------------------------|-------------------------------------|----------------------------------|-------------------------------|
| 6 mm         | 1 mm                   | #122 DHP Copper                     | B-68 / B-75                      | 56 Bar                        |
| 10 mm        | 1 mm                   | #122 DHP Copper                     | B-68 / B-75                      | 32 Bar                        |
| 12 mm        | 1 mm                   | #122 DHP Copper                     | B-68 / B-75                      | 26 Bar                        |
| 12 mm        | 1 mm                   | T316/T316L WLD SS                   | A-269 / A-213 EAW                | 160 Bar                       |

- Notes:**
- Standard tube wall thickness shown. Heavier wall thickness available, contact us for details.
  - Seamless stainless steel and most stainless steel alloys, including high-nickel alloys are available, contact us 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-Q0AN1 | 2201-Q0AQ1 | 2201-R0AN1 | 2201-R0AQ1 |
|------------------|------------|------------|------------|------------|
| Tube Temperature | 1.04       | 1          | 0.97       | 1          |
| Run Distance     | 0.6        | 1          | 0.6        | 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-Q0BN1 | 2203-Q0BQ1 | 2203-R0BN1 | 2203-R0BQ1 |
|------------------|------------|------------|------------|------------|
| Tube Temperature | 1          | 1          | 1          | 1          |
| Run Distance     | 0.9        | 1          | 0.6        | 0.9        |

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