

High Temp Pre-Insulated Tubing

METRIC SIZES

Series 2210

DEKORON[®]
Unitherm[™]
 Tubing Bundle Experts Since 1962

Dekorons[®] Unitherm[™] Series 2210 Pre-Insulated Tubing is a thermally insulated fluid transport line suitable for steam, gas, or liquid transport.

Each line is comprised of the following elements:

- **Single metal process tube**
- **Moisture resistant, non-wicking, inorganic fibrous glass thermal insulation**
- **Choice of weather protective jacket**

The energy-efficient design provides for nominal jacket surface temperatures of 77°C or lower at 27°C ambient conditions while transporting 370°C saturated steam.

Bundles can be designed for applications operating at process temperatures up to 590°C.

Tubing and jacket selections for these higher temperatures are limited. Contact Dekorons Unitherm for more information on designs for 370°C to 590°C.

Additional features of this product are:

- **Compact design**
- **low heat loss**
- **Light, durable, easy to handle**
- **Zero maintenance**
- **Employee protection**
- **Continuous lengths up to 1000 feet**
- **Easy to Install**
- **Cost savings up to 50% over field fabrication**

Applications for this product:

- **Steam supply lines**
- **Condensate return lines**
- **Gas transport lines**
- **Liquid transport lines**

Standard Outer Jacket Materials

- **105°C Rated Flame-Retardant PVC**
- **125°C Rated Flame-Retardant TPE**
- **Halogen-Free Flame-Retardant TPU**

For assistance ordering this product, please contact your Dekorons[®] Unitherm[™] representative.



Tubing Materials

- **Welded or Seamless type 316/316L stainless steel to ASTM A269 and ASTM A213 (Except Average Wall)**
- **Seamless type 316/316L minimum wall stainless steel to ASTM A213**
- **Most High Temperature stainless steel alloys**
- **Most High Temperature nickel-based alloys**

Contact Dekorons Unitherm for more information on available tubing materials as sizes.

Pre-Insulated Tubing Accessories:

	Item Number
Seal-Tite End Boots	
Single Tube up to 400°C	BOOT-1
Single Tube above 400°C	BOOT-1-3-3
Uniseal Cable Entry Seals	
for Bundles up to 35 mm	Seal 1.60
for Bundles up to 66.5 mm	Seal 2.75
Unicut[™] Bundle Jacket Cutter	1631-01001
RTV Silicone End Sealant	
85 g tube	1535-02080
292 g cartridge	1535-02120
Seal Patch Kits	
20 cm x 20 cm Single Self-Sealing Patch	1540-10000
20 cm x 7.6 m Self-Sealing Roll	1540-20000

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www.unithermcc.com

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Product Specifications 2210 Pre-Insulated Tubing

Op Temp °C	Tube OD	Tube Wall ⁽¹⁾	Material ⁽²⁾	ASTM Std	Wrk Press. Op Temp ⁽³⁾	Jacket Temp °C ⁽⁴⁾	Nom Bundle OD	Nom. Weight kg/m	Min Bend Rad ⁽⁵⁾
260	6mm	1mm	316/316LS/S WLD	A-269/A213 EAW	320 BARg	49	29mm	0.67	18cm
260	10mm	1mm	316/316L S/S WLD	A-269/A213 EAW	180 BARg	52	33mm	0.74	20cm
260	12mm	1mm	316/316L S/S WLD	A-269/A213 EAW	145 BARg	52	41mm	0.85	24cm
260	16mm	1.2mm	316/316L S/S WLD	A-269/A213 EAW	140 BARg	63	43mm	1.03	26cm
315	6mm	1mm	316/316LS/S WLD	A-269/A213 EAW	300 BARg	49	38mm	0.74	23cm
315	10mm	1mm	316/316L S/S WLD	A-269/A213 EAW	170 BARg	52	42mm	0.82	25cm
315	12mm	1mm	316/316L S/S WLD	A-269/A213 EAW	140 BARg	60	48mm	1.04	29cm
315	16mm	1.2mm	316/316L S/S WLD	A-269/A213 EAW	130 BARg	66	48mm	1.26	29cm
400	6mm	1mm	316/316LS/S WLD	A-269/A213 EAW	275 BARg	49	47mm	0.89	29cm
400	10mm	1mm	316/316L S/S WLD	A-269/A213 EAW	155 BARg	57	50mm	0.95	30cm
400	12mm	1mm	316/316L S/S WLD	A-269/A213 EAW	125 BARg	63	50mm	1.24	30cm
400	16mm	1.2mm	316/316L S/S WLD	A-269/A213 EAW	120 BARg	66	60mm	1.50	36cm
593	6mm	1mm	316/316LS/S WLD	A-269/A213 EAW	250 BARg	66	51mm	1.12	66cm
593	10mm	1mm	316/316L S/S WLD	A-269/A213 EAW	141 BARg	68	55mm	1.16	71cm
593	12mm	1mm	316/316L S/S WLD	A-269/A213 EAW	115 BARg	82	58mm	1.30	76cm
593	16mm	1.2mm	316/316L S/S WLD	A-269/A213 EAW	100 BARg	90	70mm	1.52	91cm

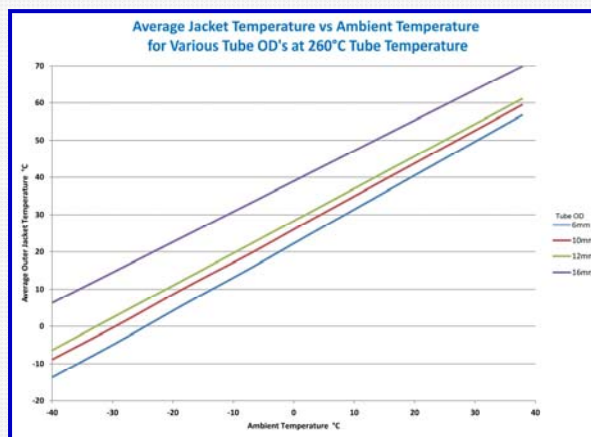
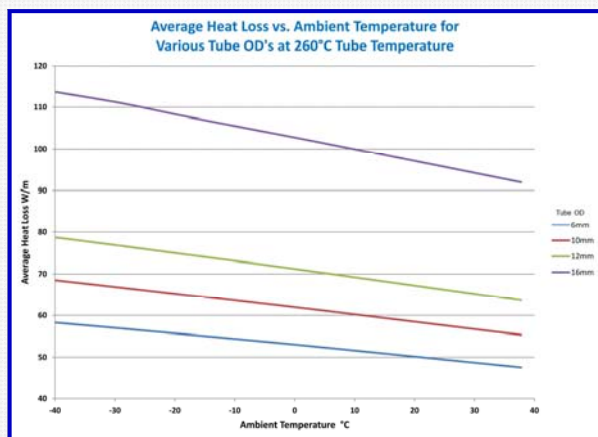
Notes:

- (1) other wall thickness are available in coils. Extra heavy wall tubing and larger diameters may only be available in stick lengths.
 - (2) alternate metal tubing materials available, not available with copper or polymer tubes
 - (3) working pressure based on welded tube, seamless will be higher.
 - (4) jacket temperature based on 27°C ambient and 2 mph wind
 - (5) minimum bend radius based on FR-TPE jacket for 593°C bundles
- Contact Dekoron Unitherm for alternate materials

Notes:

- Standard outer jacket is a 105°C Rated flame retardant PVC for bundles with an operating temperature up to 400°C, alternate jackets are a 125°C Rated, flame retardant Thermoplastic polyolefin (FR-TPE) and a flexible, halogen-free flame retardant Thermoplastic urethane (FR-TPU).
- Only jacket available for bundles rated above 400°C is 125°C Rated FR-TPE.

Contact Dekoron Unitherm for alternate materials



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Heat Loss Multipliers

Process Temp	Multiplier
260	1.0
315	1.1
400	1.2
538	1.8

Jacket Temp Multipliers

Process Temp	Multiplier
260	1.0
315	1.2
400	1.5
538	2.7

For additional information visit our website:
www.unithermcc.com

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