

DEKORON UNITHERM / SUPPLIED BY PMA

The right tubing. For your process.

Heat traced and pre-insulated tubing for freeze protection,
temperature maintenance.

THREE FAMILIES. ONE APPLICATION-LED CONVERSATION.

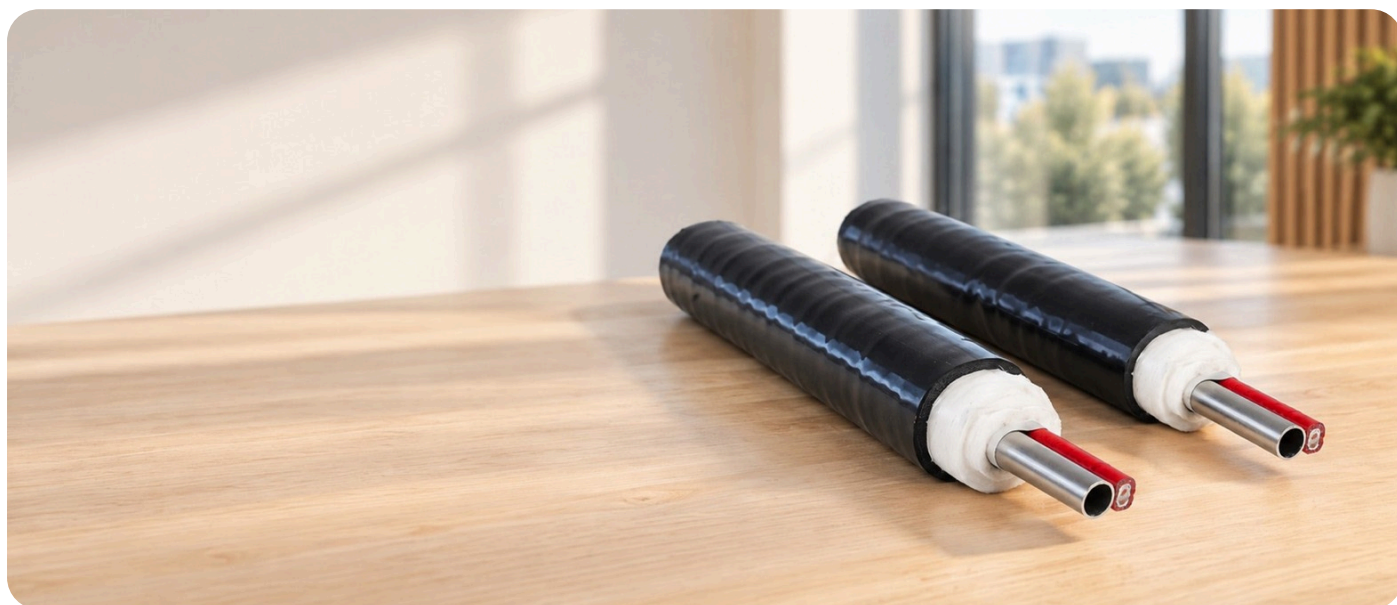
Start with what the line needs to do.

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|----|----------------------------|---|
| 01 | Electrically traced | Heat along the line where an electrical supply suits the duty. |
| 02 | Steam traced | Heat transfer from a steam tracer for temperature or viscosity maintenance. |
| 03 | Pre-insulated | Insulated steam, gas or liquid transport without an integral electric heater. |

01 / ELECTRICALLY TRACED TUBING

Heat where your process needs it.

An electric heater sits alongside the process tube inside thermal insulation and a protective outer jacket.



Illustrative bundle construction. Specify the supplied assembly with PMA.

For the duty

Freeze protection, sample-line heat tracing and process temperature maintenance. Review electrical supply, sensing and controls as part of the system.

Construction choices

Heater designs include self-regulating and higher-temperature options. Insulation selection and buffering depend on the process exposure and required duty.

Common tube sizes

1/4, 3/8, 1/2 and 3/4 inch OD

Published heater limits

Low-temperature SR: 85°C
High-temperature SR: 150°C
Power limiting: 204°C

These are published operating limits for heater categories, not guaranteed maintained fluid temperatures. Confirm the exact heater, exposure, controls and approvals for your installation.

02 / STEAM-TRACED TUBING

Process heat. Carried along the line.

A metal steam tracer transfers heat to one or more process tubes within an insulated, jacketed bundle.



Illustrative bundle construction. Process and tracer arrangements vary.

For the duty

Consider steam tracing for temperature or viscosity maintenance where suitable steam and condensate services are available.

A cabled construction

Cabled process and tracer tubes remain in contact along the bundle. The construction accommodates bends in different planes without twisting the bundle.

Process tubing

Single or multiple metal or polymer tubes; select for fluid compatibility and pressure.

Heating service

Specify steam pressure and quality, route, drainage and condensate return.

Bundle protection

Heat-reflecting foil, fibrous glass insulation and a weather-protective outer jacket.

Light and heavy tracing are different constructions. Confirm heat transfer, process exposure and the supplied assembly rating. Dekatrace pipe and vessel tracers are a separate product.

03 / PRE-INSULATED TUBING

Insulated transport. Thoughtfully built.

Series 2200 combines the transport tube, thermal insulation and a continuous outer jacket for defined steam, gas or liquid duties.



Illustrative pre-insulated copper tube, insulation and outer jacket.

For the duty

Steam supply, condensate return and temperature-sensitive fluid transport. Pre-insulation reduces heat loss; it does not add heat to the line.

Protect the insulation

A continuous polymer jacket helps keep moisture out. Select compatible end seals and terminations and protect the bundle during routing and installation.

Common tube sizes

1/4, 3/8, 1/2 and 3/4 inch OD

Material choices

316/316L stainless steel, copper or PFA, subject to the selected construction.

Installation review

Fluid, pressure, normal and maximum temperature, ambient exposure and route.

Insulation alone cannot guarantee freeze protection during a prolonged shutdown. Confirm process-temperature and surface-temperature requirements for the exact operating conditions.

APPLICATIONS / SPECIFICATION

Define the duty. Specify the line.

Start with the fluid and the operating conditions. These are application starting points, not a

01 Freeze protection

Avoid loss of flow in exposed instrument, process and utility lines.

02 Analyser sample transport

Review the sample temperature needed between process and analyser.

03 Temperature maintenance

Define the maintained temperature, flow and shutdown conditions.

04 Viscosity maintenance

Assess oils, waxes and process fluids that need heat to remain transferable.

05 Steam distribution

Carry steam to tracing services with a specified insulated transport line.

06 Condensate return

Return condensate with a construction selected for its service conditions.

What to send PMA.

Fluid & tubing	Fluid, compatibility, tube material, OD, wall and tube count.
Temperature & pressure	Normal, maximum and cleaning conditions; required maintained temperature.
Site & services	Minimum ambient, exposure, route, run length, electricity or steam.
Project requirements	Hazardous-area classification, terminations and required documentation.

PMA reviews the requirement with you and helps identify the assembly, accessories and manufacturer documents needed for your enquiry.



INDEPENDENT ADVICE. SUPPLY. SUPPORT.

Let's look at your line.

A clear brief makes the next step simpler. Send us the process conditions, temperature requirement and installation details, and we'll help you consider the tubing specification.

sales@pma.uk.com

01484 843 708

insulatedtubing.co.uk

Process Measurement and Analysis Ltd
Brook Mills House, Carr Lane, Slaithwaite
Huddersfield, HD7 5BG, United Kingdom

About this guide

PMA supplies Dekoron Unitherm tubing. Product information is based on Marmon's electric-traced, steam-traced and pre-insulated product pages and June 2026 line card, reviewed 11 October 2026. Imagery is illustrative. Final selection, ratings, approvals and installation instructions must relate to the exact supplied assembly. Dekoron and Unitherm are manufacturer trade marks.