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# Multitube Instrumentation Products

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# **Multitube Instrumentation Products**

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This Bulletin provides an overview and brief description of the Parflex and Polyflex products which are available to the instrumentation market through the Parker's worldwide distribution network.

The pre-engineered Multitube<sup>®</sup> systems help to minimise energy losses, eliminate hot tubing surfaces, reduces the risk of freezing, offer easy and therefore cost reduced installation and long term operating costs.

The wide range of hose and fitting configurations cover most of the instrumentation requirements, in particular the PTFE and stainless steel assemblies.

A range of Multitube<sup>®</sup> systems and PTFE hose assemblies are offered as standard stock items. Parker also offers customised products to meet customers special requirements.

Multitube<sup>®</sup> Instrument and Control Tubing – **Metal and Plastic** 



Multitube® Instrument and Control Tubing is available in both single line and multi-line tube bundles, manufactured from either copper, stainless steel, or a variety of plastics, the products are used for transmission of pneumatic signals, other gases or liquids. Designed for general use inside and outdoors, the outer jacket protects the tubing against water, oils, alkalies and most chemicals. Where extra corrosion and mechanical protection is required a steel tape armour can be applied. Supplied in long lengths Multitube® Instrument and Control Tubing offers easy installation and protection against the environment.

### Temptube<sup>™</sup> Preinsulated Tubing



single tube thermally insulated with a non-hygroscopic glassfibre insulation and FR PVC jacket overall. Designed to provide an economical and highly efficient method of conveying steam, cooling water, or cryogenic fluid such as nitrogen.

Multitube<sup>®</sup> Accessories

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To compliment the Parker range of Multitube® products Parker offers a wide range accessories, kits, and controllers.

The connection kits include all the necessary components to complete input power and end terminations.

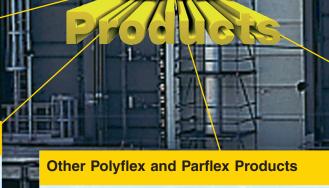


Temptrace<sup>™</sup> Steam Trace Tubing

Temptrace<sup>™</sup> Steam Trace Tubing is available in Heavy and Light series.

The Heavy series consists of single or multiple process tubes, a direct contact tracer, non-hygroscopic insulation, and FR PVC jacket overall. Applications include pressure transmission, analyser sample lines carrying heavy distillates, gases, or vapours.

The Light series has an isolated tracer for finer temperature control and is ideal for instrument line freeze protection and viscosity maintenance.



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In addition to the PTFE products, we can offer hose assemblies from the wide range of Polyflex and Parflex thermoplastic tubing, hoses, adaptors, and plastic fittings.

Temptrace<sup>™</sup> Electric Trace Tubing

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Temptrace<sup>™</sup> Electric Trace Tubing can be supplied in constant wattage, self-regulating and mineral insulated versions.

The options include single or multiple process tubes, traced by a constant wattage, self-regulating, or mineral insulated heating cable, assembled together with heat transfer foil wrap, non-hygroscopic insulation, and FR PVC jacket overall. Applications include analyser, impulse and instrumentation lines, small diameter process lines, gas sampling, and utility lines.pressure transmission, analyser sample lines carrying heavy distillates, gases, or vapours. Constant Wattage is the basic product with a temperature range up to 200 deg C. Self Regulating Temptrace<sup>™</sup>, reduces to need for elec-

tric controllers/thermostats and improves reduces energy consumption. Mineral Insulated Electric Trace Heating is a special cut-to-length product is used when the temperature requirements exceed 200 deg C.





The excellent chemical resistance and high temperature properties of PTFE hose assemblies are ideally suited to the instrumentation and chemical industries.

To further compliment the customer requirements Parker offers Instrumentation quality hose assemblies with metric standpipe connections to suit the A-LOK fittings. Parker offers a wide range of PTFE products including smooth bore, convoluted, and conductive core tubes, stainless steel and textile reinforced, polyurethane and silicone outer covers.

Applicatons cover steam, vacuum, hydraulics, fuel lines, chemical transfer, food, and high purity service. Parflex Metal Hose assemblies, with convoluted stainless steel core tube, are available for those specialised and extreme temperature applications.







Multitube Products: 4200-M-1

> Product Specification Manual: 4200-MSM

Parflex Metal Hose: 4690-MH2

**Polyflex Products:** 4460

**For further** information on the above products contact your nearest Parker sales office or contact the **Polyflex Division** 

Bulletin 4200-QRG/UK/DE