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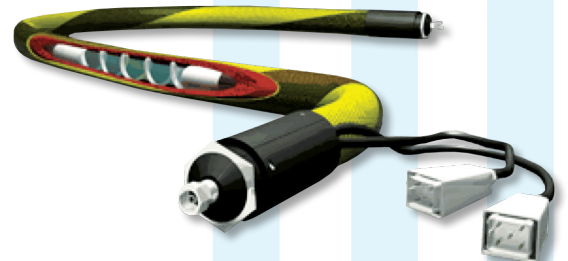
DRM Technic

Suppliers of Gas Analysis Equipment

**Braid Heat
Heated Sample Lines**

BRAID HEAT ELECTRICAL HEATED SAMPLE LINES

These electrically heated flexible hoses are sample gas lines used in the hot gas analysis of process and emission gases.



FEATURES

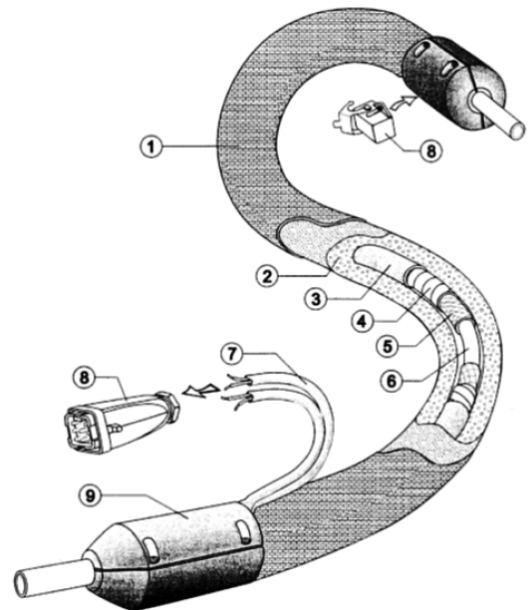
- Suitable for Outdoor Applications
- Uniform, Constant Heat through Hose Length
- Temperature Controlled or Self-Limited with a Choice of Temperature Sensors
- Available in All Required Lengths and Various End Configurations, including: Single/Multi Core; PTFE or PFA Sample Tubes; PTFE or SS End Connections; Customer Specific Power Requirements (w/m); and 115V, 230V or 415V

SPECIFICATIONS

Operation Temperature	Up to 220 °C
Lengths Available	0.5 m ... 100 m (w/o internal joints)
Bend Radius	150 mm
Operating Voltages	100 V, 230 V or 415 V
Thermal Capacity	70w/m ... 90w/m (depending on host diameter)
Warm-Up Time	30/40 minutes
Inner Core Diameter	4/6/8/10/12 mm
External Diameter	40 mm (45 mm for end caps)
Weight	0.8 kg/m

For more information, please contact sales

TECHNICAL DRAWINGS



LEGEND

1. Out Jacket
2. Outer Insulation Material
3. Primary Thermal Insulation
4. Insulating Tape
5. Heating Element
6. Sample Tubing (PTFE or PFA)
7. Temperature Sensor Probe Leads & Power Supply
8. Electrical Connection Plugs (Optional)
9. End Terminal Caps

CONTACT US: DRM Technic, 15C Raleigh Hall Industrial Estate, Stafford, Staffordshire, ST21 6JL



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CHARTS

1: Temperature .v. W/m (ambient 25 °C, 0.8 mm I.D.)

Gas Line Temp.	40	60	80	100	120	140	160	180
W/m	6	12	20	29	37	46	56	65

2: Derating (Power Loss) Factor (for temperatures above 20 °C)

Gas Line Temp.	50	75	100	150	200	250
W/m	0.87	0.77	0.68	0.53	0.38	0.28

AVAILABLE TYPES OF FINISH

1. Single or Multi Core Hose - PTFE
2. PTFE or PFA Inner Hose
3. PTFE, PFA or St/St Terminations
4. Fixed or Replaceable Hose
5. 4mm to 12mm Inner Tube Diameters
6. Dual Outlet Option
7. Screw or Flange Fixing
8. Terminal Leads
9. Heavy Duty PA6 or PA12 Outer Jacket
10. Braided or Corrugated Outer Jacket
11. Option for Extra Calibration Line
12. Bespoke Customer Designs Available

EXAMPLE CONFIGURATION OPTIONS

Hard cap,
replaceable core,
metal cap



Hard cap,
fixed core,
plastic cap



Hard cap,
replaceable core,
screw fitting for
panel mounting



Braid Heat Line
with additional
calibration line



EXPLOSION PROOF GAS LINES

PTFE hose in accordance with heater classifications. The following are available:

EEx e II T4: Self limiting; provides 80 °C increase over ambient temp.; max. operation temp. 65 °C

EEx e II T3: Self limiting; provides 100 °C increase over ambient temp.; max. operation temp. 120 °C

EEx e II T2: Self limiting; provides 130 °C increase over ambient temp.; max. operation temp. 150 °C

EEx e II: Self limiting; provides 180 °C increase over ambient temp.; max. operation temp. 180 °C

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