CLAYBORN LAB IS A HEAT TAPE MANUFACTURER AND CUSTOM BUILDER OF HEAT-TRACED PRODUCTS.

- **100' SAMPLE LINES ABLE TO MAINTAIN 400°F AT AMBIENT TEMPS OF 0°F WHILE ONLY USING 20 AMPS ON 120 VAC**
- **DURABLE, LIGHTWEIGHT, TEAR RESISTANT TUFF GUARD OUTER COVER**
- **STANDARD PTFE OR PFA TEFLOM TUBING**
- **MULTI CIRCUIT HEAT TRACING**
- **ARMORED END SYSTEM PROVIDES OPTIMAL TUBE PROTECTION AND FIELD REPLACEABLE TUBE END STUBS**
- **VOLTAGE OPTIONS FROM 12 VDC TO 277 VAC**
- **PRECISION SOLID STATE TEMPERATURE CONTROLLERS WITH CURRENT RATINGS FROM 15 TO 30 AMPS**
- **MULTI POINT STRAIN RELIEF (AIRCRAFT CABLE CONNECTED TO INTERNAL NYLON BRAID) FUNCTIONS AS A KELLUM GRIP AND ALLOWS FOR EASY HOISTING AND LOWERING OF THE LINE AS WELL AS SECURING DURING SAMPLING OPERATIONS**
- **CUSTOMIZABLE DESIGN WITH ADDITIONAL OPTIONS INCLUDING SELF-REGULATION, MULTIPLE TUBES, BUSS WIRES, OVERTEMP PROTECTION, INSERTS, WITH LENGTHS FROM 1' TO 200' +**
TEMPERATURE CONTROLLED SAMPLE LINES
TURBINE & DIESEL ENGINE EMISSIONS, FTIR, STACK GAS SAMPLING, NATURAL GAS SAMPLING, PROCESS ANALYZERS, PORTABLE AND PERMANENT APPLICATIONS

• CLAYBORN LABS NEW OUTER SHEATHING
  TUFF-GUARD IS THE STRONGEST, TEAR RESISTANT HEATED SAMPLE LINE COVER ON THE MARKET TODAY. MANUFACTURED FROM A HIGH-TECH POLYAMIDE-6 MATERIAL THAT IS RATED FROM −40 C TO +150 C. THIS GERMAN-MADE PRODUCT IS CHEMICAL & UV RESISTANT, EXTREMELY DURABLE, FLEXIBLE, CRUSH RESISTANT AND PROTECTS TEFLO® TUBING FROM KINKING. THIS PRODUCT IS USED EXTENSIVELY IN HIGH SPEED TRAINS AND ROBOTICS AND IS CAPABLE OF MILLIONS OF BENDS AND FLEXES WITHOUT BREAKING OR CRACKING.

• TUBING
  STAINLESS STEEL, TEFLO®, PTFE, PFA, FEP, NYLON, EPDM, RUBBER, PVC, FIELD-REPLACEABLE NYLON, STAINLESS STEEL & TEFLO® INSERTS HEAT TRACING FROM 1/8” - 4” OD

• ARMORED ENDS
  SPECIALIZED END CAP SYSTEM PROTECTS INTERNAL TEFLO® TUBING AND ALLOWS EASY FIELD REPLACEABILITY OF DAMAGED CONNECTION POINTS.

• MULTI CIRCUIT HEAT TAPE
  CLAYBORN HEAT TAPE CAN INCORPORATE MULTIPLE CIRCUITS WHICH ALLOW 100’ SAMPLE LINES TO ACHIEVE 400 F OPERATING TEMPERATURES AT 0 F AMBIENT WITH ONLY A 20 AMP CURRENT DRAW (ON 120 VAC) BY UTILIZING BOOSTER CIRCUITS. MULTIPLE CIRCUIT HEAT TAPE ALSO ALLOWS FOR MULTIPLE VOLTAGE INPUTS (120 / 240 VAC) ON THE SAME HEATED SAMPLE LINE.

• FLEXIBILITY & WEIGHT
  RUGGED CONSTRUCTION IS HIGHLY FLEXIBLE & LIGHTWEIGHT WITH STANDARD 100’ FTIR TEFLO® TUBE SAMPLE LINE WEIGHING ONLY 44 POUNDS.

• TEMPERATURE CONTROL UP TO 400 F
  SELF-REGULATED CONTROL BY EMBEDDED THERMOSTAT, OR CONTROLLED USING THERMOCOUPLE AND/OR RTD WITH AN EXTERNAL TEMPERATURE CONTROLLER

• OPTIONS
  TEMPERATURE INDICATOR LIGHTS, OVERTEMP PROTECTION CIRCUIT, ELECTRICAL / MESSENGER BUSS, MULTIPLE TUBES, HEATED OR UNHEATED, MAY BE BUNDLED TOGETHER

Clients utilizing Clayborn products include Anadarko, Air Hygiene, METCO, Oasis Environmental, Grace Consulting, General Motors, Northrop Grumman, Caterpillar, Thermo Fisher Scientific, SGS, Ecom, Testo, Vig, M&C Tech Group, Ohio Lumex, Ballard Power Systems, Clean Air, Mechanical Equipment, Golden Specialties, DOE, US Military, & hundreds of other companies who benefit from Clayborn’s 40+ years of experience in thermal applications.

PROUDLY OWNED & OPERATED BY MAUREEN & BOB HORVATH SINCE 1989