

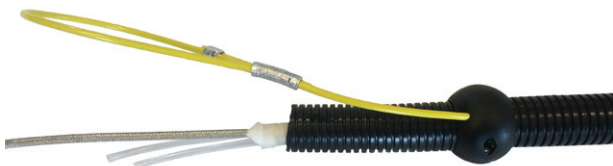
## Natural Gas

### Markets:

- Midstream (Transmission to processing)
- Chemical Processing
- Power Generation
- Refineries
- Utilities
- Transportation (Natural Gas Vehicles)
- Fertilizer Production
- Hydrogen Production
- Some Manufacturing (Fabrics, Glass, Steel, Plastics, Paint)

### Features:

- Light weight
- Flexible
- Field replaceable tubing
- Temperature indicator lights
- High thermal efficiency
- Long life span
- Robust UV and chemical resistant outer cover



Optional strain relief



Optional armored end



### Applications:

- Moisture Analysis
- Sample purity / quality monitoring

### Available Accessories:

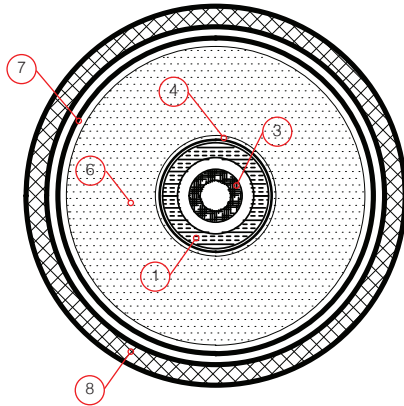
- Strain Relief at user defined locations
- Field replaceable moisture monitoring tube
- High performance insulation
- Pass through power
- Heated blanket accessory



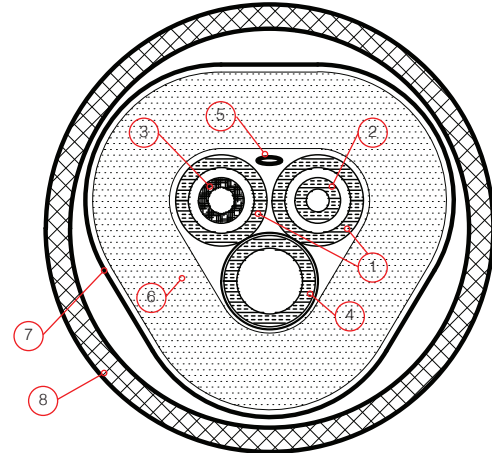
Optional Polyamide 12 cover



Optional firesleeve cover



Standard natural gas line



Natural gas line with moisture monitoring

- 1/4" OD FEP teflon tubing (carrier tubes) (1)
- Optional field replaceable 1/8" Teflon tubing for separate moisture monitoring (2)
- Field replaceable 1/8" OD stainless steel or Nylon 11 natural gas tube (3)
- Clayborn heat trace at nominal 7 watts per foot (4)
- Self-regulating to 120F with 175F over-temp protection
- Voltage options include 12, 24, 108, 120, 208 or 240
- End fittings available:
  - Full range of standard Parker end fittings
  - Robust "armored ends" with field replaceable stainless steel fittings
- Integrated thermocouple or RTD temperature monitor (5)
- Nomex felt insulation (6)
- Continuous internal nylon braid kelim grip (foundation for strain reliefs) (7)
- Outer cover options:
  - High temperature silicone firesleeve
  - Corrugated polyamide 12 (8)

## Stack Emissions Monitoring

### Markets:

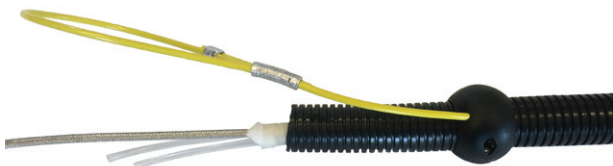
- Power Generation
- Chemical Processing
- Refineries
- Equipment / Machinery manufacturers
- Engine Testing

### Applications:

- CEMS-Continuous Emission Monitoring
- RATA Testing – Mobile System Monitoring

### Features:

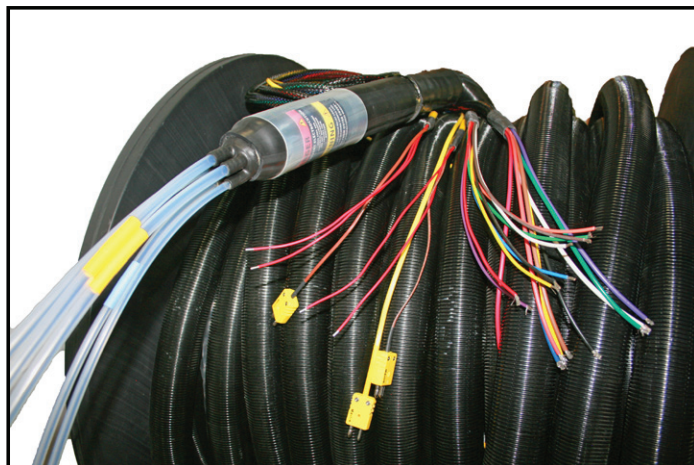
- Light weight
- Flexible
- High thermal efficiency
- Long life span
- UV and chemical resistant outer cover
- Unique heater wiring options allow for extensive electrical configurations



Optional strain relief



Optional controller

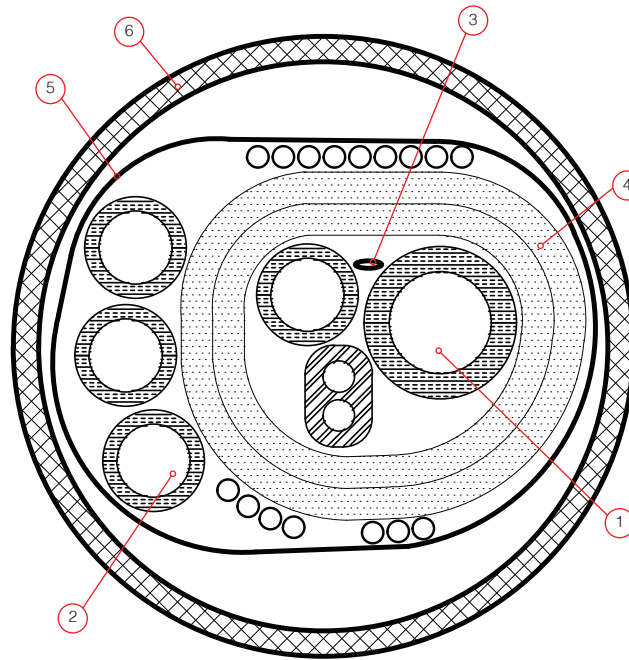


### Available Accessories:

- Strain Relief(s) at user defined locations
- High performance insulation
- 15, 20 or 30 amp, 120v controllers
- Up to (22) Pass through power, control, or thermocouple wires
- Custom labeling
- Temperature indicator lights
- Early wire or tubing exit from outer cover



Optional Polyamide 12 cover



Standard CEMS

- Heated zone (1)
  - Up to (6) heated teflon tubes (PFA or PTFE)
  - OR - Up to (2) heated stainless steel tubes (304 or 316)
- Un-heated zone (2)
  - Up to (6) un-heated Teflon tubes (PFA or PTFE)
  - OR - Up to (1) un-heated stainless steel tube (304 or 316)
- Maintain Temperatures up to 400F (204C)
- Control options:
  - External control via integral thermocouple or RTD
  - Self regulated
- Voltage options: 120, 208, 240, 277
- End fittings available:
  - Full range of standard Parker end fittings
  - Robust “armored ends” with field replaceable stainless steel fittings
- Integrated thermocouple or RTD temperature monitor (3)
- Nomex felt insulation (4)
- Continuous internal nylon braid kellum grip (foundation for strain reliefs) (5)
- Corrugated polyamide 12 outer cover (6)

## Chemical Analysis

### Markets:

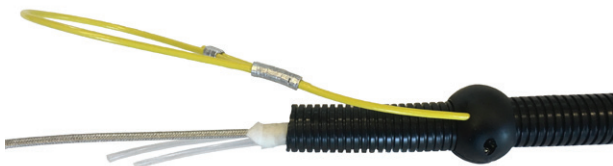
- Pharmaceutical manufacturers
- Analyzer manufacturers
- Testing laboratories

### Applications:

- pH Analysis
- Partition Analysis
- Liquid Extraction
- Stability Testing

### Features:

- Light weight
- Flexible
- Field replaceable tubing
- High thermal efficiency
- Long life span
- UV and chemical resistant outer cover



Optional strain relief



Optional controller



- Sample / Substance temperature maintenance
- Moisture analysis
- Tubes used integrally within analyzers

### Available Accessories:

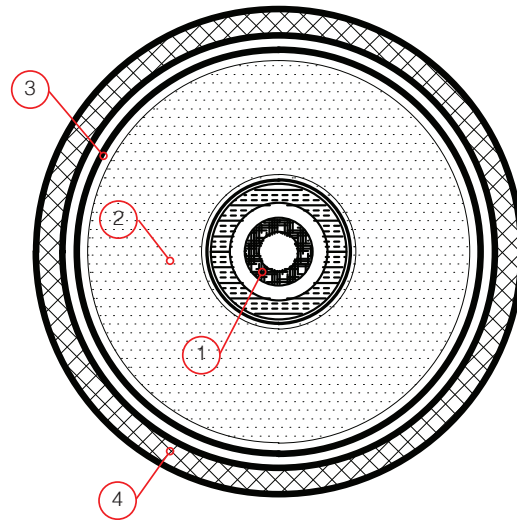
- Strain Relief at user defined locations
- High performance insulation
- Pass through power, control, or thermocouple wiring
- 15, 20 or 30 amp, 120v controllers available
- Ability to heat trace any tubing types including Teflon, Nylon, Stainless Steel, Titanium, Poly, Silicone



Optional Polyamide 12 cover



Optional firesleeve cover



Standard CEMS

- Field replaceable 1/8" OD stainless steel carrier tube (larger OD if needed) (1)
- Control style:
  - Self-regulating to 120F with 175F over-temp protection
  - Externally controlled via integral thermocouple or RTD
- Voltage options include 12, 24, 120, 208 or 240
- End fittings available:
  - Full range of standard Parker end fittings
  - Robust "armored ends" with field replaceable stainless steel fittings
- Integrated thermocouple or RTD temperature monitor
- Nomex felt insulation (2)
- Continuous internal nylon braid kellum grip (foundation for strain reliefs) (3)
- Outer cover options:
  - High temperature silicone firesleeve
  - Corrugated polyamide 12 (4)
  - Nylon braid

## Viscosity Control

### Markets:

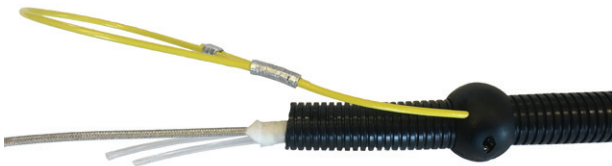
- Manufacturing
- Hospitals
- Farming
- Food / Beverage

### Applications:

- Water (freeze protection)
- Plastics
- Epoxy
- Glues
- Fiberglass

### Features:

- Light weight
- Flexible
- High thermal efficiency
- Long life span
- Temperature indicator lights
- UV and chemical resistant outer cover



Optional strain relief



Optional controller



### Available Accessories:

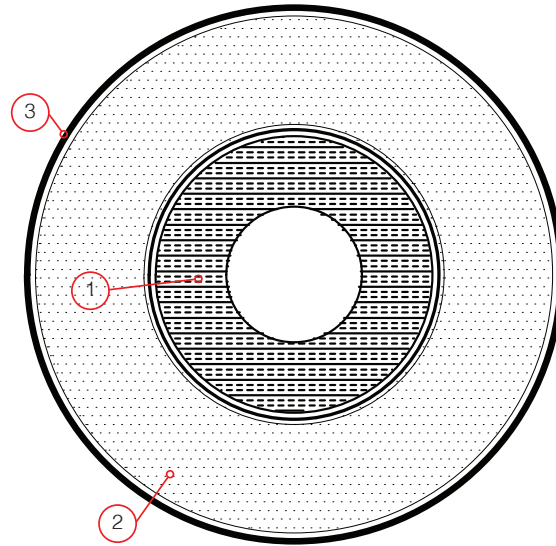
- Strain Relief at user defined locations
- High performance insulation
- Pass through power, control, or thermocouple wiring
- 15, 20 or 30 amp, 120v controllers available



Optional Polyamide 12 cover



Optional firesleeve cover



Standard Viscosity Control

- Parker 520N tubing of any size (1)
- Control options:
  - External control via integral thermocouple or RTD
  - Self-regulating to 175F
- Voltage options include 12, 24, 120, 208 or 240
- Full range of standard Parker end fittings
- Integrated thermocouple or RTD temperature monitor
- Nomex felt insulation (2)
- Continuous internal nylon braid kellum grip (foundation for strain reliefs)
- Outer cover options:
  - Nylon braid (3)
  - High temperature silicone firesleeve
  - Corrugated polyamide 12