

Analyzer Umbilicals for HCL and Ammonia Sampling Applications

DEKORON®
Unitherm™
Tubing Bundle Experts Since 1962

Dekoron® Unitherm™ Analyzer Umbilical bundles designed for HCL or Ammonia sampling have components and capabilities matched to the requirements of these demanding applications.

Tubing, heater, and auxiliary lines are available to meet the requirements of all major monitoring systems.

Dekoron® Unitherm™ has been supplying efficient, reliable Analyzer Umbilicals for this application for over 30 years.

Applications:

- Acid Gas CEMS Systems
- Ammonia CEMS Systems

Tubing:

- PFA Fluoropolymer
- Type 316L Stainless Steel
 - Optional Siltek ID Coating
- Alloy 825 Stainless Steel
- Specialty Alloys

Heaters:

- Constant Power Density Heating Tape
 - 18 Watts/ft
 - 208 or 240 VAC Supply
- Series Resistance Heating Wire
 - 20-35 Watts/ft
 - 120 - 480 VAC Supply

Thermal Insulation:

- Traditional Fibrous Glass
- High Efficiency Aerogel

Outer Jacket:

- Flame-Retardant PVC
- Halogen-Free Thermoplastic Urethane



Auxiliary Items:

- Shielded thermocouple extension cables
- Instrumentation cables
- Auxiliary tubes
 - Fluoropolymer
 - Polyethylene
 - Nylon
- Control cables
- Fiber Optic cables

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1531 Commerce Creek Boulevard • Cape Coral, Florida 33909

Call Toll Free (800) 633-5015 • Telephone (239) 995-8111 • Fax (239) 995-8027

www.unithermcc.com

Analyzer Umbilicals for HCL and Ammonia Sampling Applications



Standard Specification for HCL umbilical with traditional insulation

Tubing:	
No. Sample Tubes	2
Tubing OD x Wall	3/8" x 0.062"
Sample Tube Material	PFA
Heating Cable	
	18 W/Ft CPD 208 or 240 VAC
Thermal Insulation	
	Fibrous Glass 5/8" Thick
Outer Jacket	
	105°C FRPVC
Auxiliary Tubes and/or Cables	
	Per Customer Specification
Maintenance Temp	
	375° at -20°F Ambient
Nominal Jacket OD	
	2.75"
Minimum Bend Radius	
	17"

Standard Specification for HCL umbilical with aerogel insulation

Tubing:	
No. Sample Tubes	2
Tubing OD x Wall	3/8" x 0.062"
Sample Tube Material	PFA
Heating Cable	
	18 W/Ft CPD 208 or 240 VAC
Thermal Insulation	
	Aerogel 5/16" Thick
Outer Jacket	
	105°C FRPVC
Auxiliary Tubes and/or Cables	
	Per Customer Specification
Maintenance Temp	
	375°F at -20°F Ambient
Nominal Jacket OD	
	2.25"
Minimum Bend Radius	
	13"

Bundle specifications shown are for information purposes only. Contact Dekoron® Unitherm™ for specific design specifications

Standard Specification for Ammonia umbilical with traditional insulation

Tubing:	
No. Sample Tubes	1
Tubing OD x Wall	3/8" x 0.035"
Sample Tube Material	T316L SS
Heating Cable	
	25 W/Ft Series Resistance Htr 120-to 480 VAC
Thermal Insulation	
	Fibrous Glass 1/2" Thick
Outer Jacket	
	105°C FRPVC
Auxiliary Tubes and/or Cables	
	Per Customer Specification
Maintenance Temp	
	425° at -20°F Ambient
Nominal Jacket OD	
	2.00"
Minimum Bend Radius	
	12"

Standard Specification for Ammonia umbilical with aerogel insulation

Tubing:	
No. Sample Tubes	1
Tubing OD x Wall	3/8" x 0.035"
Sample Tube Material	T316L SS
Heating Cable	
	25 W/Ft Series Resistance Htr 120-to 480 VAC
Thermal Insulation	
	Aerogel 5/32" Thick
Outer Jacket	
	105°C FRPVC
Auxiliary Tubes and/or Cables	
	Per Customer Specification
Maintenance Temp	
	425° at -20°F Ambient
Nominal Jacket OD	
	1.50"
Minimum Bend Radius	
	10"

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