



ASI Model DP-060 Series In-situ Diluting Probe Heaters

In gas sampling applications at low levels where strong variations of the stack or process temperature, and consequently of the probe may be expected, problems might arise due to diluting ratio stability or unwanted condensation of water or compounds from the sample. These problems may be overcome by heating the probe with an in-situ (in stack) probe heater attachment.

The ASI Model DP-060 Series Probe Heater is specially developed for use with new ASI or existing EPM In-situ Diluting Samplers (Probes). Another simple and low-cost way to keep your CEMS sampling equipment downtime to a minimum.

LIGHTER:

Assembly with extension pipe will be much lighter as it will use 3" nominal pipe (**3-1/2" OD**) instead of 3-1/2" nominal pipe (**4" OD**) as with the EPM model 797.561L.

COMPACT:

Can fit into smaller ID stack/duct ports, as the extension ring does not exceed the extension pipe OD of **3-1/2"**. The EPM model has an extension ring with a **5" OD**.

COMPATIBLE:

Can be used with existing in-situ dilution probes regardless of probe-flange type, as long as the probe has newer style filter cap assembly (with groove for the Kalrez O-ring at probe-tip).

ADAPTABLE:

Custom adaptors can be produced to attach heated probe assembly to many existing extension pipe configurations. Also, has three tapped holes on tip face of outer heater mantle, that can be used to attach particulate deflector if desired (custom made by end user, or designed by ASI upon request).



INTERCHANGEABLE:

The heater coils are interchangeable between this heater assembly and the EPM 797.560 series heaters.

ECONOMICAL:

Whether you are looking for a basic coil replacement, or a complete heater assembly, our pricing is significantly lower than that of the formerly available EPM models. Please contact ASI for current pricing.

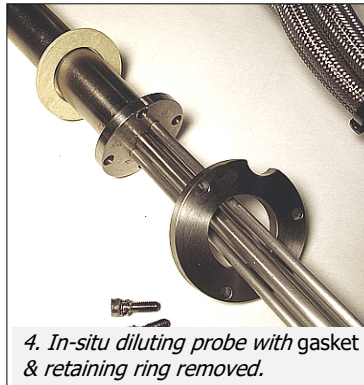
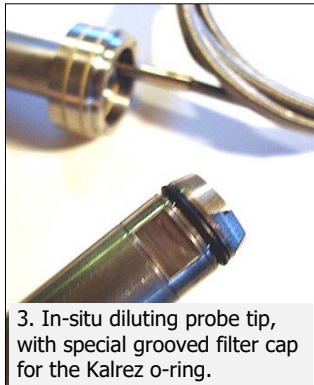
The unit comes complete with standard extension ring (for customer to weld to pipe) and mounting bolts, FFKM high temperature O-ring, anti-seize compound, extra gaskets and necessary tools.

GENERAL SPECIFICATIONS

Wetted Parts:	Stainless 316/316L
Voltage:	115VAC (230VAC Optional)
Wattage:	400WATT
Cable/Leads Length:	4 Meter (Lead Length 13 Feet ... with 12FT Flex Armored Conduit for "Fixed" Version)
Thermocouple Type:	K-Type
Temperature Regulating:	Via Temperature Controller (by customer)
Max Process Temp:	400°F (200°C)
Max Set-point Temp:	550°F (288°C)
Shipping Weight:	12 lbs.



ASI Model DP-060 Series Basic Model List



ASI STANDARD IN-SITU DILUTION PROBE HEATERS - PRIMARY VERSIONS

ALPHA SUITE INC. IN-SITU DILUTION PROBE HEATERS - OVERVIEW OF BASIC MODELS & CONFIGURATIONS AVAILABLE		
ASI MODEL	DESCRIPTION	DETAILS
DP-060-A	FIXED INSTALLATION	115VAC, 400W, 4M ARMORED CABLE, STANDARD MOUNTING PROVISIONS FOR 3" NOM (3-1/2"OD) S10 PIPE.
DP-060-A2	STACK TESTER VERSION	115VAC, 400W, 4M FIBERGLASS OVERBRAIDED CABLE. CONCENTRIC REDUCER IS NOM. 3"x1-1/2" (3.5"x1.90"OD)
DP-060-A2B	STACK TESTER (SPECIAL MOUNT)	115VAC, 400W, 4M FIBERGLASS OVERBRAIDED CABLE. SPL CONCENTRIC REDUCER IS NOM. 3"x2" (3.5"x2.375"OD)
DP-060-C	FIXED INSTALLATION	230VAC, 400W, 4M ARMORED CABLE, STANDARD MOUNTING PROVISIONS FOR 3" NOM (3-1/2"OD) S10 PIPE.
DP-060-C2	STACK TESTER VERSION	230VAC, 400W, 4M FIBERGLASS OVERBRAIDED CABLE. CONCENTRIC REDUCER IS NOM. 3"x1-1/2" (3.5"x1.90"OD)

!! IMPORTANT NOTE ON COIL ORDERING LENGTHS:

- 4M CABLE LENGTH HAS 4M (13FT) LEAD LENGTH, WITH OUTER CONDUIT LENGTH OF 3.6M (12FT) FOR THE "FIXED INSTALLATION" VERSIONS.

**MODEL DP-060-A ["FIXED CEMS INSTALLATION" VERSION]**

MODULAR HEATER ASSEMBLY: **115VAC, 400W, 4M ARMORED CABLE**, COIL WITH INTEGRAL K-TYPE T/C. WETTED PARTS FROM SS-316/316L. FOR USE WITH IN-SITU DILUTION PROBES. **THIS ONE INTENDED FOR FIXED INSTALLATION.*

MODEL NOTES: THIS MODEL COMES WITH AN EXTENSION RING THAT END-USER MUST WELD TO END OF A 3" NOMINAL PIPE (3-1/2" OD, MUST BE SCHED10). THIS IS THE MOUNTING CONFIGURATION OF HEATED PROBE TO THE END OF THE EXTENSION PIPE.

LEAD-TIME: PLEASE CONTACT ASI FOR CURRENT PRICING AND LEAD-TIMES

MODEL DP-060-A2 ["STACK-TESTER" VERSION]

MODULAR HEATER ASSEMBLY: **115VAC, 400W, 4M FIBERGLASS OVERBRAIDED CABLE**, COIL W/ INTEGRAL K-TYPE T/C. WETTED PARTS FROM SS-316/316L. FOR USE W/ IN-SITU DILUTION PROBES/STACK TESTER VERSION. **THIS ONE INTENDED FOR TEMPORARY/PERIODIC INSTALLATION.*

MODEL NOTES: THIS MODEL COMES WITH AN EXTENSION RING THAT IS PREWELDED TO END OF A CONCENTRIC REDUCER (STANDARD NOM. 3"x1-1/2" (3.5"OD x 1.90"OD, S10 REDUCER)). END-USER MUST WELD SMALL END OF CONCENTRIC REDUCER ASSEMBLY TO END OF THE 1-1/2" NOM PIPE. THIS IS THE MOUNTING CONFIGURATION OF HEATED PROBE TO THE END OF THE EXTENSION PIPE, OTHER ADAPTORS AVAILABLE UPON REQUEST.

LEAD-TIME: PLEASE CONTACT ASI FOR CURRENT LEAD-TIMES

MODEL DP-060-A2B ["STACK-TESTER" VERSION – SPECIAL MOUNT]

MODULAR HEATER ASSEMBLY: **115VAC, 400W, 4M FIBERGLASS OVERBRAIDED CABLE**, COIL W/ INTEGRAL K-TYPE T/C. WETTED PARTS FROM SS-316/316L. FOR USE W/ IN-SITU DILUTION PROBES/STACK TESTER VERSION. **THIS ONE INTENDED FOR TEMPORARY/PERIODIC INSTALLATION.*

MODEL NOTES: THIS MODEL COMES WITH AN EXTENSION RING THAT IS PREWELDED TO END OF A "SPECIAL SIZE" CONCENTRIC REDUCER (STANDARD NOM. 3"x2" (3.5"OD x 2.375"OD, S10 REDUCER)). END-USER MUST WELD SMALL END OF CONCENTRIC REDUCER ASSEMBLY TO END OF THE 2" NOM PIPE. THIS IS THE MOUNTING CONFIGURATION OF HEATED PROBE TO THE END OF THE EXTENSION PIPE, OTHER ADAPTORS AVAILABLE UPON REQUEST.

LEAD-TIME: PLEASE CONTACT ASI FOR CURRENT PRICING AND LEAD-TIMES

MODEL DP-060-C ["FIXED CEMS INSTALLATION" VERSION]

MODULAR HEATER ASSEMBLY: **230VAC, 400W, 4M ARMORED CABLE**, COIL WITH INTEGRAL K-TYPE T/C. WETTED PARTS FROM SS-316/316L. FOR USE WITH IN-SITU DILUTION PROBES. **THIS ONE INTENDED FOR FIXED INSTALLATION.*

MODEL NOTES: THIS MODEL COMES WITH AN EXTENSION RING THAT END-USER MUST WELD TO END OF A 3" NOMINAL PIPE (3-1/2" OD, MUST BE SCHED10). THIS IS THE MOUNTING CONFIGURATION OF HEATED PROBE TO THE END OF THE EXTENSION PIPE.

LEAD-TIME: PLEASE CONTACT ASI FOR CURRENT PRICING AND LEAD-TIMES

MODEL DP-060-C2 ["STACK-TESTER" VERSION]

MODULAR HEATER ASSEMBLY: **230VAC, 400W, 4M FIBERGLASS OVERBRAIDED CABLE**, COIL W/ INTEGRAL K-TYPE T/C. WETTED PARTS FROM SS-316/316L. FOR USE W/ IN-SITU DILUTION PROBES/STACK TESTER VERSION. **THIS ONE INTENDED FOR TEMPORARY/PERIODIC INSTALLATION.*

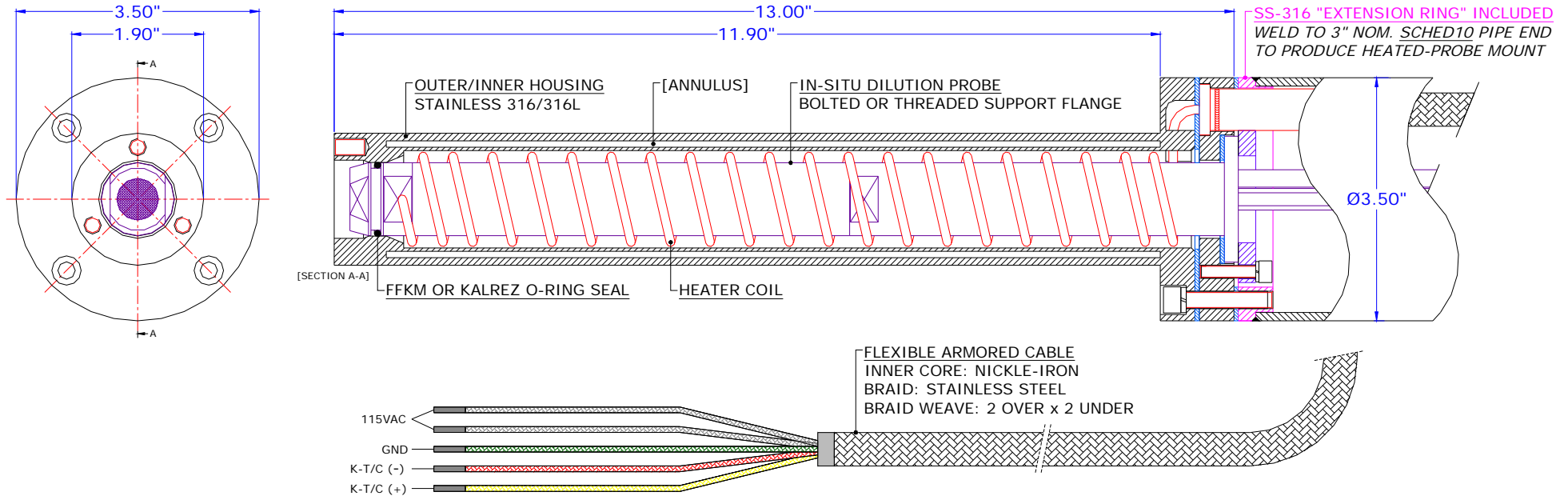
MODEL NOTES: THIS MODEL COMES WITH AN EXTENSION RING THAT IS PREWELDED TO END OF A CONCENTRIC REDUCER (STANDARD NOM. 3"x1-1/2" (3.5"OD x 1.90"OD, S10 REDUCER)). END-USER MUST WELD SMALL END OF CONCENTRIC REDUCER ASSEMBLY TO END OF THE 1-1/2" NOM PIPE. THIS IS THE MOUNTING CONFIGURATION OF HEATED PROBE TO THE END OF THE EXTENSION PIPE, OTHER ADAPTORS AVAILABLE UPON REQUEST.

LEAD-TIME: PLEASE CONTACT ASI FOR CURRENT PRICING AND LEAD-TIMES



ASI Model **DP-060 Series** - In-situ Diluting Probe Heaters

FIXED INSTALLATION VERSION



GENERAL SPECIFICATIONS:

Wetted Parts:	Stainless Steel 316/316L
Voltage:	115 VAC (230VAC Optional)
Wattage:	400 WATT
Thermocouple Type:	K-Type
Cable Length:	4 Meter (Lead Length 13 Feet - with 12FT Flex Armored Conduit)
Outer Cable Covering:	Fiberglass Overbraid - within a Flexible Armored Conduit
Temperature Regulating:	Via Temperature Controller (by customer)
Maximum Temperatures:	Max Process Temp: 400°F (200°C) Max Set-point Temp: 550°F (288°C)
Shipping Weight:	12 lbs.

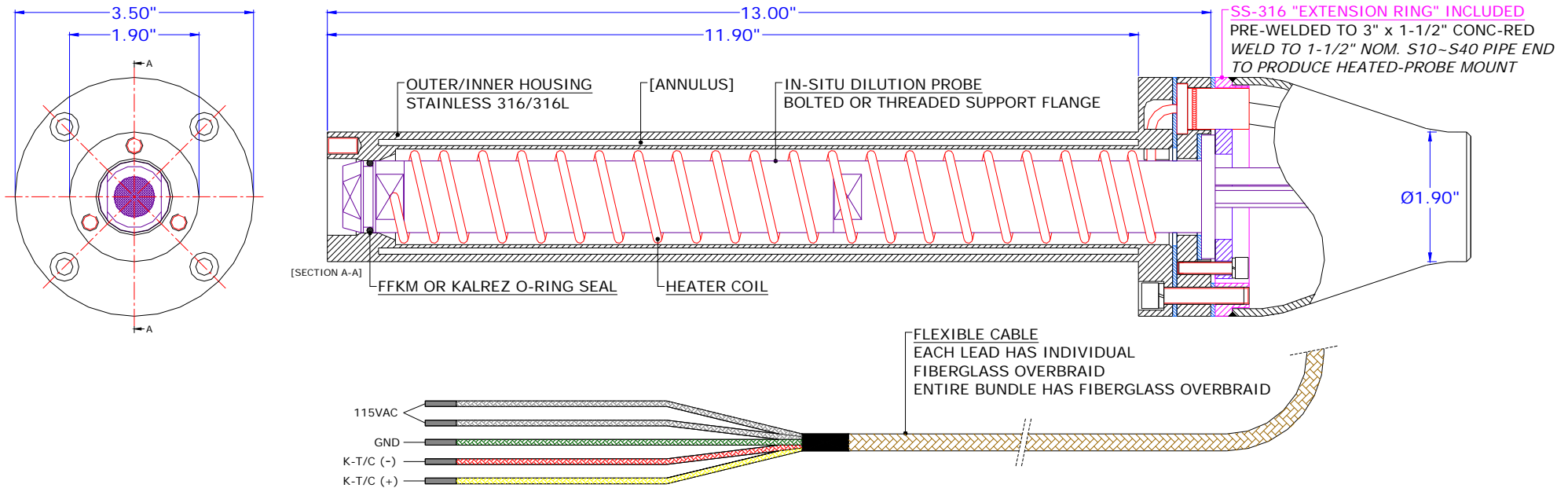
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ASI Model DP-060 Series - In-situ Diluting Probe Heaters

STACK-TESTER VERSION



GENERAL SPECIFICATIONS:

Wetted Parts:	Stainless Steel 316/316L
Voltage:	115 VAC (230VAC Optional)
Wattage:	400 WATT
Thermocouple Type:	K-Type
Cable Length:	4 Meter (Lead Length 13 Feet)
Outer Cable Covering:	Fiberglass Overbraid
Temperature Regulating:	Via Temperature Controller (by customer)
Maximum Temperatures:	Max Process Temp: 400°F (200°C) Max Set-point Temp: 550°F (288°C)
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