

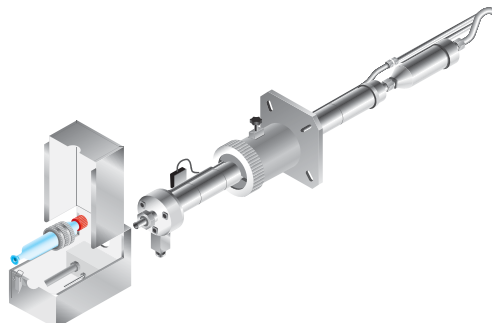


Isokinetic Heated Probe

Heated Probe

Main Characteristics:

- Probe body in AISI 316
- Internal suction tube easy to change and available in inox, glass, titan, and quartz.
- Total isolation of heating element and thermocouple from stack gases.
- Special property to connect isokinetic kit, filterholder and nozzles, in or out of the stack.
- Possibility of mounting orifice meter for wet gas flow rate sampling.
- Clamps for Pitot tube with thermocouple.
- Auxiliary outputs for extended measurements.



The moisture content of the sampled gases obliges to heat not only the probe but often also the collection devices.
The material of the internal body of probe ensures not only the necessary rigidity but also a certain resistance to temperature and corrosion caused by aggressive gases.

The materials used for sample collection must be compatible with gas composition to ensure the integrity of compounds that should be determined.
To meet these requests, TCR TECORA studied and developed a standard isokinetic probe to be assembled in accordance with applications.

Heated probe body

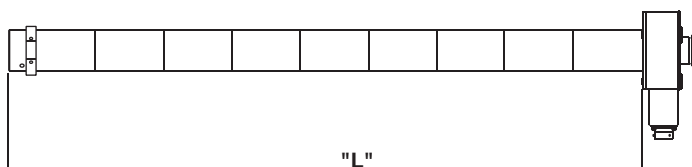
Length (useful "L" mm)	P/N *
1000	AC99-090-0001SP
1500	AC99-090-0002SP
2000	AC99-090-0003SP
2500	AC99-090-0004SP
3000	AC99-090-0005SP
<i>Other lengths on request</i>	

The main body of the probe has a circular section with a diameter of 42 mm, available in some standard lengths.
Inside of it a tube slides which is electrically heated by a wire that is not in contact with stack gases.

An expansion cylinder absorbs dilation differences allowing to realise probes up to 5 m length with no deformation.

- Max. operation temperature: 400°C
- Max. heating temperature = 200°C + ambient temperature

* The suction tube and the final connector are not included in probe code



Heated Box for filterholder

Wishing to use the technique of out stack filterholder it is necessary to heat also the filterholder to prevent water vapour and some volatile organic compounds condensation.

For this purpose it is available an inox heated box already prepared for a quick connection to the heated probe.

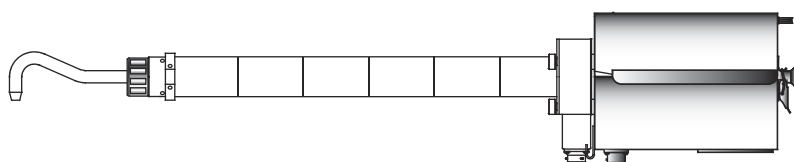
In heated box can be placed several filterholders for doing measure in a wide range of particulate concentration.

The maximum temperature of heating can be 160°C higher than the ambient temperature.

The sufficient isolation allows to maintain the outside temperature at not dangerous values for the user.

A Tecora unified connector is used for temperature control.

The heated box is supplied with fixing device of glass curve-nozzle.



P/N Heated box AC99-092-0000SP