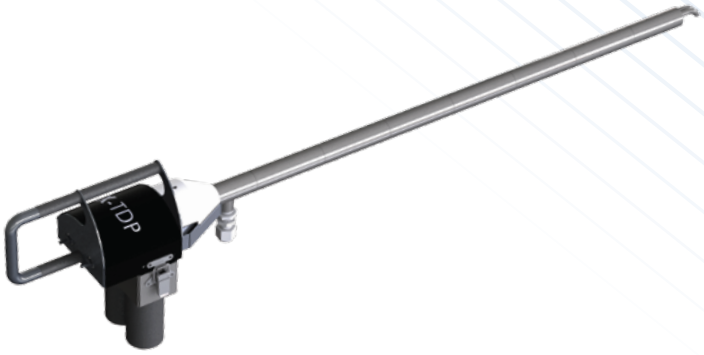
TCR TECORA
POLLUTION CHECK

INDUSTRIAL EMISSIONS

X-TDP



X-TDP (TWIN DILUTION PROBE) is the last frontier of the gas sampling in stationary source emissions and process!
Born from experience in the field and with the help of whom daily, it is faced with the need to operate with equipment that simplifies the collection of gas and allow to carry out several activities at the same time.
Nonetheless, this solution allows a savings on investment compared to the systems currently available on the market.
The project in compliant and summarizes all the standards on non-isokinetic sampling.

Titanium! **X-TDP is produced as a variant in this material, mandatory for sampling of acids and other chemically similar substances.**

Unique in the market! Double sampling line with two divided dilution chambers. X-TDP can be used with two different dilution systems. Furthermore, in case of use with FID analyzer, this, by intrinsic features, can not be connected in common to other suction lines.

Indeed, FID analysis chamber suffers from the smallest variations of pressure that can slightly change the combustion of the hydrogen flame.

Particulate membrane filter. Device protection downstream (analyzers) or entry into the bubblers of undesirable solid bodies are ensured by practical 25 mm external filter holders.

Possibility to set sampling temperature.

Unlike self-regulating systems that suffer from problems due to hysteresis and temperature changes environment, the use of two PID electronic regulators (on the sampling tube and on the dilution chamber / portafilter) ensure constant heating in all weather conditions.

According to CEN/TS 13649 standard (VOC sampling on vial) the uncertainty of temperature regulation must be <2.5 K, really difficult to reach them with self-regulating systems.

Total absence of possible "cold points". The choice of heating the sampling probe is due to the absolute necessity and obligation of ensure that the gas does not undergo temperature decreases with consequent alteration of the sample as well as formation of possible crystallizations that can damage the same probe.

Housing for connecting two heated lines.

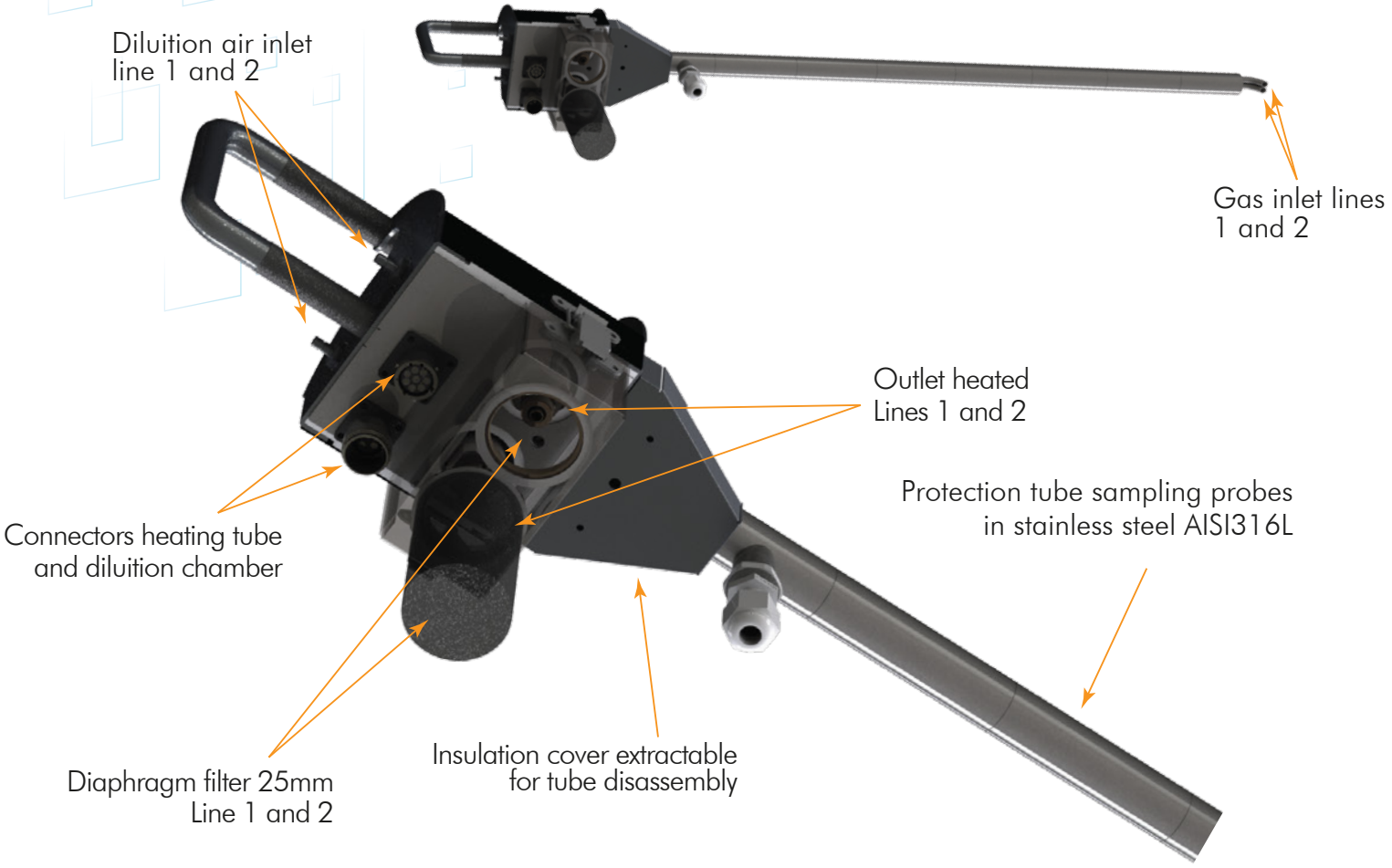
As an option 2 PID electronic temperature controllers are available.

Features

- Double line sampling probe and double dilution chamber;
- Also available in AISI316L stainless steel;
- Suction lines internal diameter 6 mm;
- Removable probe terminal part for internal cleaning;
- Sample filtration with 25 mm diaphragm;
- Setting the heating temperature up to a maximum of 200 °C;
- PID electronic regulators with low temperature and display alarm through luminous led;
- Outlet connection for heated lines with external pipe of ø 6 mm (other diameters upon request);
- Probe containment case and integrated heating management system (IP68 connectors for external connections);
- Standard probe lengths: 350 and 700 mm (others on request);
- Available option with single line (X-STD);
- Available power supplies: 230VAC | 110VAC.

- **Suitable for all sampling situations;**
- **Available in Titanium and AISI316L;**
- **Controlled temperature with PID electronic controllers;**
- **No cold points!**

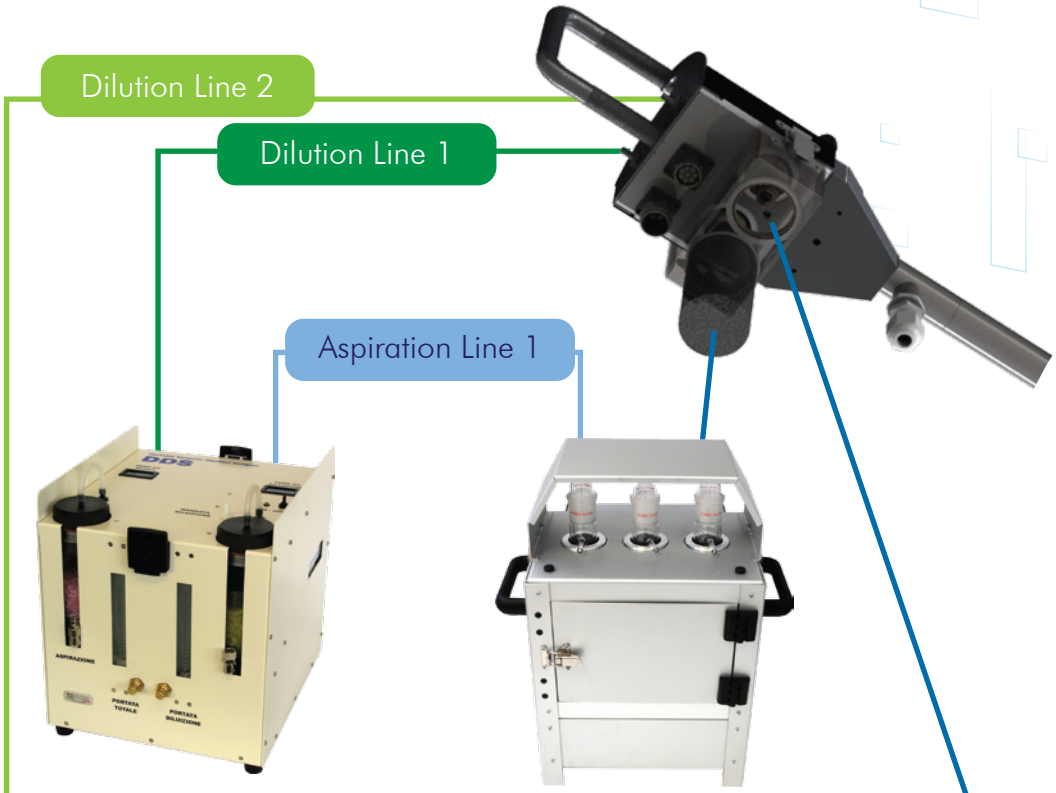
INNOVATION MADE IN ITALY



Specifications

Probe	Titanium or AISI 316L stainless steel
Dilution chamber	Titanium or AISI 316L stainless steel
Sample filter	Membrane 25 mm
Collection tube length	350 or 700 mm (others on request)
Temperature regulation tube and dilution chamber	Digital PID Control
Max. process temp.	500° C
Max. probe temp.	200° C
Supply	230 VAC 50-60Hz | 110 VAC 50-60 Hz
Probe dimensions	Total lenght 200 mm + sampling tube
Suitcase size	450 x 330 x 180 mm
Probe weight	850 gr

Sampling of SOV



Simultaneously

- Real-Time Gas Analyzer
- FID
- EN 13649 SOV
- H_2O EN 14790
- DM 25/08/2000 SO_X
- NO_X
- UNICHIM 632:84 NH_3

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