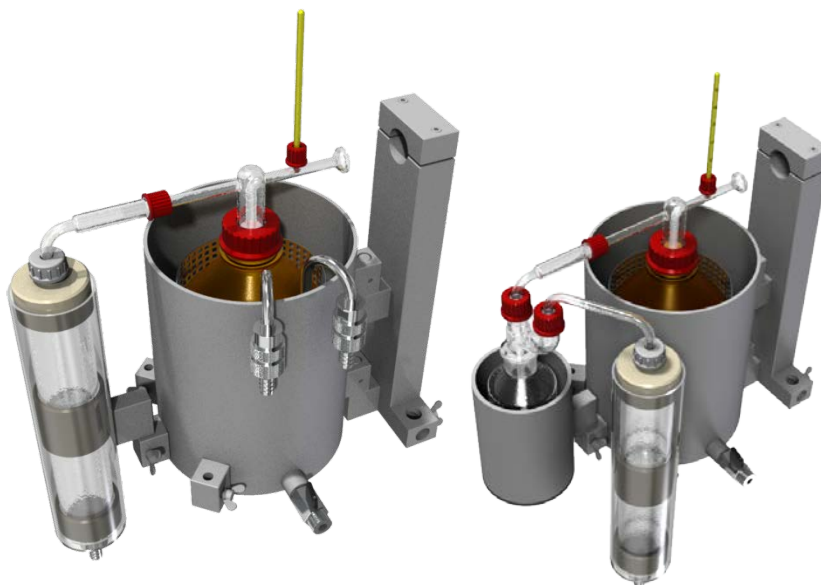


## Sampling Train for Organic Pollution Measurement (PCDD/PCDF) according to EN 1948-1

The Adsorption-System – conform to the European Guideline EN 1948-1- is constructed under the conception to combine different adsorption traps modular round the cooling vessel of the condensate trap. The special holder makes it easy to fix the suction tube at the spot and to change the sampling position.

The improvement suggestions from our customer makes this sampling train easy in the handling and best prepared for the rough conditions on the spot. To minimized glass damage the necessary glass is covered by aluminium or PVC.

Basic version: Cooled suction tube with cooled condensate and double adsorption trap with integrated plane filter.



Version: without droplet separator and with 500 ml bubbler as droplet separator

### Presentation of the adsorption traps - gas flow:

Beginning with the cooled suction tube, the gas flows at first through an ice water or by cooler cooled condensate trap (2 litre GL 45 brown glass flask). One high-grade steel grid makes sure that no ice can blocked the installation of the condensate flask.

Followed by two adsorption traps with plane filter or from a droplet separator. The Titanium plane-filter-holder is our standard plane-filter-holder and fit into the PPH-support, which has threads for the two adsorption traps.

The PVC-support can fix at the cooling pot.

The complete sampling line can be quick assembling and dismantling.



Adsorption trap with holder

Condensate flask

Holder for condensate flask

**Single parts of the PCDD / PCDF – Sampling line****Holder with aluminum cooling jacket, complete**

swivelling aluminum pot (Ø 200 x 4 mm, l: 225 mm), with high-grade steel grid, cock for ice-water-mixture.

Art.-No.: 30.1-E-X

**Cooling coil**

for the cooling with cryostat

Art.-No.: E-KS

**Condensate trap, complete**

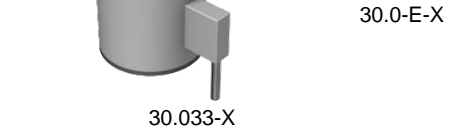
made of DURAN (brown glass), 2 l with glass thread GL 45. With impinger (Duran), glass bent to next trap and with thermometer.

Art.-No.: 30.0-E-X

**Droplet separator (bubbler), complete with holder**

Bubbler (Duran), 500 ml, in and out: glass thread GL 25, with glass connector 30.51

Art.-No.: 30.33-X

**Adsorption trap for PU-foam or XAD**

Trap (Duran) complete with PVC-holder. Two adsorption traps for PU-foam or XAD-resin, with Titanium-Plane-Filter-Holder. Adsorption unit with exit thread G ¼ with hose quick-coupling. Complete with two closing caps for glass threads at the adsorption traps (GL 60).

Art.-No.: 30.92

**Exchangeable adsorption unit**

Contains two Duran filter chamber, one PPH support for Titanium-Plane-Filter-Holder without Titanium-Plane-Filter-Holder and with two closing caps and seals.

Art.-No.: 30.923

**Exchangeable filter chamber**

One Duran filter chamber with two closing caps with seals.

Art.-No.: 30.916



**Single Parts:**

