FAS – FLY ASH SAMPLER
REGISTRATION OF ASH QUALITY

➢ The FAS is placed in the ash transporting pipeline or in the related pneumatic blow unit.

➢ The FAS is an automatic highly reliable sampling system for sampling fly ash.

➢ The FAS is manufactured from stainless steel.
GENERAL DESCRIPTION

The Fly Ash Sampler (FAS) is an automatic sampling device, used for collecting dust samples in dust transport pipes, where the media is conveyed by pneumatic transport. The automatic sampling of fly ash is possible over a period of time in order to record average values of the material properties.

The power plant staff will change the bottle after the pre-set number of samples has been taken. The sampled ash can then be taken to the laboratory for analysis. The fly ash sampler can be installed directly in the transport pipeline or in the pneumatic blow unit.

The instrument consists of two main units: The mechanical sampler and the electric / pneumatic control unit.

The purging air and the canister are heated to prevent condensation inside the sample unit, which could otherwise result in blocking of the system.

The control box contains necessary switch buttons and PLC with touch panel for operation of sampling cycles and setting of number of samples and time intervals.

Application areas for the FAS unit
- Routine measurements of the fly-ash quality
- Test burning of new coal types

TECHNICAL DATA

Application: Sampling of fly ash
Max single sample vol.: 200 ml
Single bottle vol.: 5 l
Power supply: 230V/50Hz or as required
Power consumption: 400 W
Air supply: Min. 6 bar clean oil-free air
Air consumption: 150 litres / sample
Enclosure: IP54
Net weight: 45 kg
Ash temperature: max. 120 ºC

Ambient temperature:
Control unit: 0 - 60 ºC
Humidity: 0 - 95 % (no condensing)

DRAWING