

Cartridge changer with four cartridges HVSKAW4

The cartridge changer is supplied as an option for our DIGITEL High Volume Sampler DHA-80. This automatic module is installed in the sampled air flow downstream the filter. Gas-phase organic compounds which cannot be collected on the filter will be absorbed on the scrubbing material of the cartridge. These organic compounds are for example:

- Polycyclic aromatic hydrocarbons (PAH): Phenanthrene, Anthracene, Fluranthene, Pyrene, Benzo (a) pyrene
- Dioxin, Furan
- Insecticides
- Radio-activity

The glass cartridges can be equipped with PU-foam, granulates, activated carbon etc. depending on the application. Sampled cartridges replacement is possible during the sampling period. Manual replacement, using a knob located on the changer support is also possible when the device is switched off. When installed on the changer, the cartridges are hermetically sealed prior and after the sampling phase. We supply caps for hermetic sealing of the cartridges during their transportation to and from the sampler. The samples will be processed and cleaned by extraction means in the laboratory. The analyses are carried out by GC/MS or other processes depending upon the application.

Technical data:

Construction: 4 pieces revolver

All components which are in contact with the measuring air are made of ematalized aluminium or glass.

4 glass cartridges:

internal sizes max.: d = 60 mm; l = 100 mm

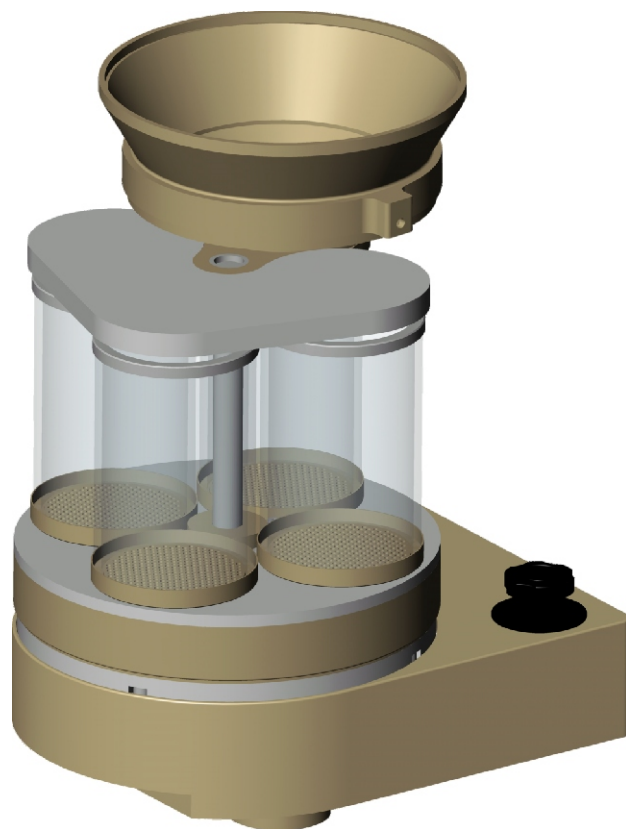
Following periods can be independently programmed for each cartridge:

- Matching the filter sampling period
- Sampling interval for every cartridge independent from the filter sampling period
- Wind direction controlled cartridge changing
- Remote controlled cartridge changing

Included electronics with integrated overload safety.

The sampling parameters such as sampled air volume, averaged temperature and pressure, alarms etc. are automatically logged in the DHA-80.

All DIGITEL High Volume Samplers as from 2004 can be upgraded with this option.



More information about our latest products is available under *NEWS* on our website: www.digitel-ag.com