

## 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 toxics which cannot be collected on the filter will be absorbed on the cartridge scrubbing material. These organic toxics are for example:

- Polycyclic aromatic hydrocarbons (PAH): Phenanthrene, Anthracene, Fluranthene, Pyrene, Benzo (a) pyrene
- Dioxin, Furan
- Insecticides
- Other parameters such as the radio-activity can be monitored this way.

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 sealing hermetically the cartridges during their transportation to and from the Sampler. The collected samples will be carried out in the laboratory. The samples will be processed and cleaned by extraction means. The analysis is 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

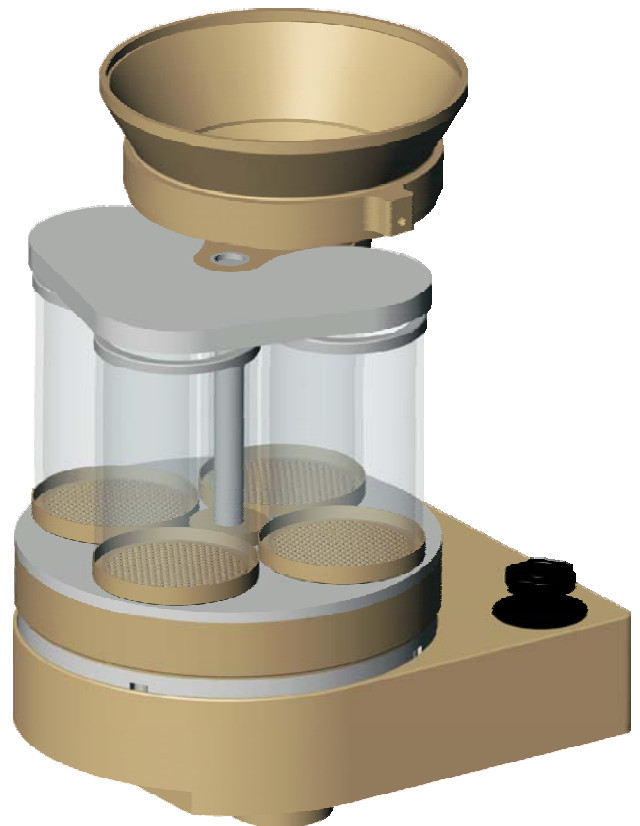
Following periods can be independently programmed for each cartridge:

- 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 Sampler can be upgraded with this option.



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