



HS-A053 – Activated Carbon Retainer Cell



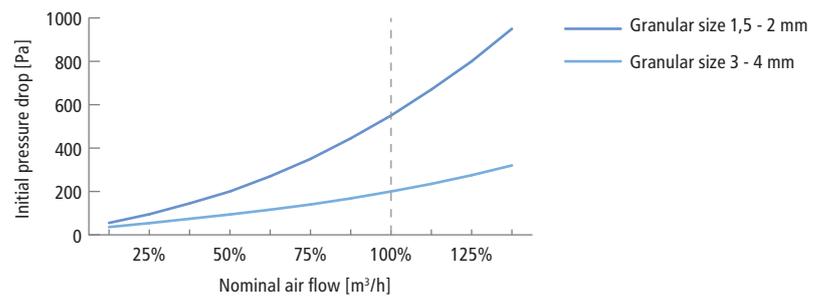
This exchangeable carbon cell is highly efficient within incoming air as well as exhaust air systems that hold high degrees of gases and odours. It is especially equipped to extract radioactive gases such as iodine, its compounds as well as war gases. It is originally designed to serve within nuclear facilities. The compact retainer cell is made from stainless steel (1.4301). Precisely welded perforated sheets plates fix the 50 mm thick layer of activated carbon into place.

The carbon is held in place by anti-tension-fade devices, which keep the carbon under permanent pressure to avoid leakages and bypasses. The carbon can be exchanged easily by removing the cover lid and pour out the carbon after the activity has decayed to a safe level. The whole system is laid out for easy decontamination and continuous re-use.

| Typ | HS-A053 Grain size 1,5–2 mm | HS-A053 Grain size 3–4 mm |
|------------------------------------|--------------------------------|------------------------------|
| Type of carbon | coconut shell | coconut shell |
| Initial- ΔP [Pa] | 550 | 200 |
| Inner surface [m^2/gr] | >1100 | >1100 |
| Max. ambient temp. [$^{\circ}C$] | 50 $^{\circ}$ | 50 $^{\circ}$ |

| Width | Dimension [mm] | | Nominal air flow [m^3/h] | Activated carbon volume [ltr.] |
|-------|----------------|-------|------------------------------|--------------------------------|
| | Height | Depth | | |
| 305 | 610 | 292 | 750 | 38 |
| 610 | 610 | 292 | 1500 | 75 |
| 762 | 610 | 292 | 1800 | 95 |

Please ask for other desired dimensions and designs.



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|---------|---|
| Frame | Stainless (1.4301) |
| Filling | Sorbtion media (layer thickness: 50 mm) |
| Gasket | flat, leak-test gasket, silicone, viton, EPDM etc. |
| Options | <ul style="list-style-type: none"> ▪ handle ▪ special sorbtive media (impregnated) ▪ other granular sizes (1,5-2 mm or 3-4 mm) |