



Activated Carbon Cartridge 705/706/707

consist of perforated, concentric synthetic cylinders; the interstices of the cartridge are filled with activated carbon; expansion adjustment ring in each cartridge ensures that the cartridges can be used in any arrangement and that no air leakages occur allowing in such a way dust air to escape; carbon content can be replaced; mounting is performed as plug or screw connection The cartridges are fully incinerable.

Activated charcoal cartridges **705, 706 und 707** are fitted into the holding frames via a plug or screw connection.

Application:

Adsorption of odors, toxic gaseous pollutants, hydrocarbons and solvents.

Special features:

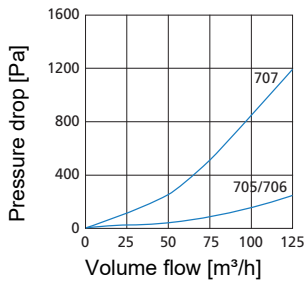
Different activated carbon types; regeneration is possible, fully incinerable.

Special areas of application:

Activated Carbon Cartridges **705** and **707** are replacement cartridges for Filter cell 711 or 721.

Activated charcoal cartridges **706** as replacement cartridges for slanted activated charcoal holder CHL

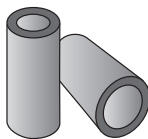
Pressure drop diagram



Technical data

Activated carbon cartridges	705	706	707
Activated carbon type	AKOLIT-A2	AKOLIT-A2	AKOLIT-A2
Diameter/height [mm]	119/291	119/291	119/291
Max. operating temperature [°C]	40	40	40
Max. relative air humidity [%]	70	70	70
Activated carbon volume [l]	1,7	1,7	2,0
Layer thickness [mm]	22	22	31
Flange diameter [mm]	67,1	67,1	38,0
Connection type	screw fixture	plug fixture	screw fixture

**Form of delivery/
order number**



Activated carbon cartridge	Activated carbon type	Packaging-units [#]	Empty weight [kg]	Order number
705	Akolit-A2	25	0.2	60 50 331
706	Akolit-A2	25	0.2	60 50 431
707	Akolit-A2	25	0.2	00 37 109

Intake capacity and degree of arresstance of activated carbon filters depend on gas composition and concentration as well as contact period of gas molecules with activated carbon.

Maximum allowed air humidity 70 %, max. temperature 40 °C, minimum contact period depending on application 0.05 s to 1.0 s, pre-filtration is necessary, required filter class F7 (EN 779:2012) or ePM₁ 80 % (ISO 16890:2016).

For cartridges **705, 706** and **707** regeneration is available. In this case a used activated carbon cartridge is opened, cleared, cleaned, recharged with unused activated carbon, closed and is available in regenerated form. Used activated carbon is then recycled by an authorized and certified waste management company.