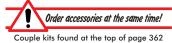


Air conditioning





Activated carbon filters - AK

technically oil-free air

Field of application: This filter removes all gaseous hydrocarbons, oil vapours or odour substances. The 2-step adsorption effect has a large adsorption surface resulting in a longer service life and high economic efficiency in usage. The stainless steel support cladding and filter material hold the activated carbon firmly in its seat and ensure that there is no activated carbon particle present in the filtrate.

Important: To increase the service life of the filter, an SMF filter should be installed upstream.

Applications: Activated carbon filters are applied to instrument and control air in the chemical, petro-chemical and pharmaceutical industry, as well as in the food, beverage and process industries, as well as in bottling plants, for packaging machines and generating breathing air and pre-filtration of sterile filters. We recommend the upstream connection of a prefilter and microfilter to increase the service life.

Materials: Housing: Aluminium with blue polyester resin coating, filter medium: Fine milled activated carbon, embedded in microfiber fleece free of binding agents, O-rings: NBR (silicone and free of releasing agent), support casing: Stainless

Temperature range: +10°C to +40°C max. (temporary +60°C max.). Input pressure: 1 - 16 bar **Residual oil content:** (with inlet concentration of 0.1 mg/m³ - SMF pre-filter installed): < 0.003 mg/m³

Supply volume: Filter housing, filter element

			Replace.	Wall
Туре	Connection	Max. flow*	elements	bracket
AK 0002	G 1/4" (FT)	40 m³/h	AK 02/05	WH 2
AK 0004	G 3/8" (FT)	60 m³/h	AK 03/05	WH 2
AK 0006	G 3/8" (FT)	90 m³/h	AK 03/10	WH 2
AK 0009	G 1/2" (FT)	120 m³/h	AK 04/10	WH 2
AK 0012	G 1/2" (FT)	180 m³/h	AK 04/20	WH 12
AK 0018	G 3/4" (FT)	270 m³/h	AK 05/20	WH 12
AK 0027	G 1" (FT)	360 m³/h	AK 05/25	WH 12
AK 0036	G 1 1/4" (FT)	480 m³/h	AK 07/25	WH 12
AK 0048	G 1 1/2" (FT)	720 m³/h	AK 07/30	WH 48
AK 0072	G 2" (FT)	1080 m³/h	AK 10/30	WH 48
AK 0108	G 2" (FT)	1440 m³/h	AK 15/30	WH 48
AK 0144	G 2 1/2" (FT)	1920 m³/h	AK 20/30	WH 144
AK 0192	G 3" (FT)	2880 m³/h	AK 30/30	WH 144
AK 0288	G 3" (FT)	4320 m³/h	AK 30/50	

^{*} for +20°C and 7 bar overpressure, for other pressures refer to conversion table on page 363



Exhaust silencers with microfilters

technically oil-free exhaust

No oil in the exhaust air technically oil-free Noise reducing: Up to 69 dB (A) Temperature range: -20°C to max. +100°C

Operating pr	essure: Max. o bar			
Type		αD	Н	

Туре	ØD	Н	Thread	Flow	
SDF 12	90	181	G 1/2"	75 m³/h	
SDF 34	90	181	G 3/4"	100 m³/h	
SDF 10	110	254	G 1"	175 m³/h	

Replacement	
elements	
SDFE 12/34	
SDFE 12/34	
SDFE 10	

All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.