

# ACTIVATED CARBON FILTER UNITS AND AIRSPARGING



Air extraction system LAK 100, exproof

Remediation of soil air in unsaturated zones with activated carbon filter units and airsparging

#### FIELD OF USE:

Contaminations in unsaturated soil with volatile organic substances (petrol, VCH) in medium concentrations.

#### TECHNISCHE DATEN\*

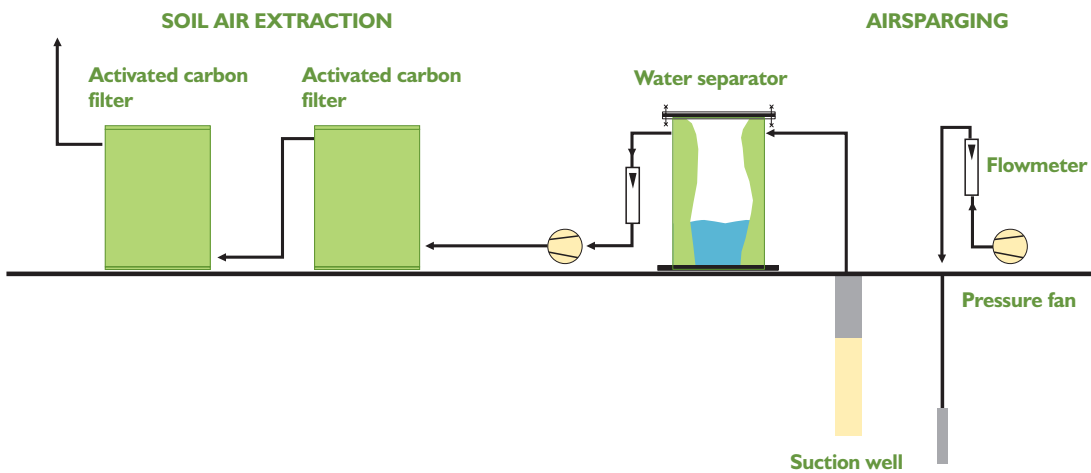
PARAMETER	BLA 50	BLA 100	AKA 350	AKA 100
Dimensions l x w	2 m x 2 m	3 m x 2 m	3 m x 2 m	5 m x 3 m
Nominal air capacity	50 m <sup>3</sup> /h	100 m <sup>3</sup> /h	350 m <sup>3</sup> /h	1.000 m <sup>3</sup> /h
Negative pressure	100 mbar	125 mbar	125 mbar	80 mbar
Water separator size	0,2 m <sup>3</sup>	0,2 m <sup>3</sup>	0,4 m <sup>3</sup>	0,8 m <sup>3</sup>
AC-filter size	2 x 0,2 m <sup>3</sup>	2 x 0,2 m <sup>3</sup>	2 x 0,4 m <sup>3</sup>	2 x 1 m <sup>3</sup>
Activated carbon amount	2 x 75 kg	2 x 75 kg	2 x 150 kg	2 x 500 kg
Connected load	2,2 kW	3 kW	5,5 kW	3 kW (EX protected)

\*) Subject to alterations, modifications and other performance data upon request.

### COMBINATION POSSIBILITIES:

- with vacuum extraction: for cohesive soil
- with pre-extraction: for long ducts
- with oil separator: if there are free products in the soil
- with groundwater purification: for ground water contaminated with diesel
- air stripper: for ground water contaminated with petrol

### MODE OF OPERATION



2 LAK 5.000 activated carbon filters fixed on a plate for fast application and replacement