

KARB

FILTER FOR PAINTING OPERATIONS



ACTIVATED CHARCOAL THICKNESS 80 mm

MAX CROSSING SPEED 0,5 m/s

CONTACT TIME 0,16 s



MODEL	MAX. FLOW RATE	POWER RATING	VOLTAGE	ACTIVE CARBONS	CARTRIDGES	PREFILTERS	SOUND LEVEL
	m³/h - c.f.m.	kW	V	Kg	pcs.	pcs.	dB(A)
karb 3	9500-5590	3	230/400	330	6	6	71
karb 4	12000-7062	4	230/400	330	6	6	71
karb 5,5	16000-9416	5,5	400/690	440	8	8	71
karb 7,5	19500-11475	7,5	400/690	440	8	8	71
karb 9,5	22000-12947	9,5	400/690	550	10	10	73
karb 11	29000-17066	11	400/690	550	10	10	73



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KARB



Description

The optimum application for the KARB unit is in the treatment of emissions released by painting operations and it is therefore advisable for an extensive range of customers who use paints containing organic solvents. The considerable amount of active carbons contained in KARB makes it possible to eliminate the gassy pollutants from the emission, thereby ensuring compliance with the current international regulations.

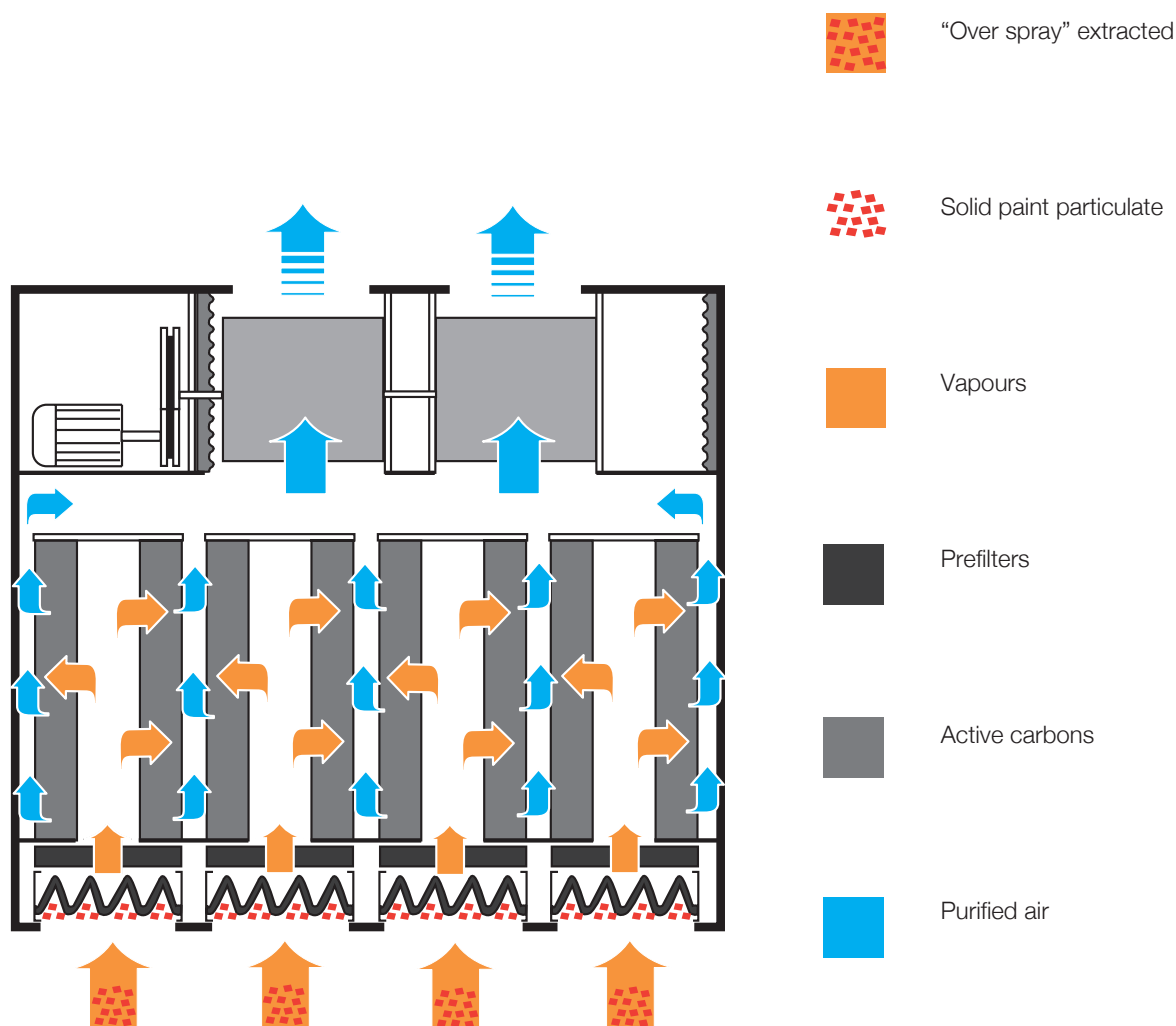
The KARB unit comprises a structure of galvanized panels (painted upon request) which are bolted to one another and house:

- a filtering section: comprising corrugated panels which trap the solid pigments released during painting operations; these panels may be reconditioned and they can be removed from the special inspection hatches;
- active carbon section: this section adsorbs the gaseous phase of the emission, i.e. the organic solvents contained in the paint;
- ventilating section: comprising a double inlet belt-driven fan which sets the whole unit under vacuum, ejecting the filtered air. The motor is isolated from the air-flow according to current regulations.

It may be positioned:

- on the floor, to create a vacuum on grated suction shelves, with glass fibre prefilters under the grille;
- in combination with painting booths with front suction;
- on oven and/or pressurised booths.

KARB

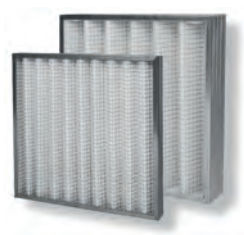


Dimensions

MODEL	Height (mm)/(inch)	Lenght (mm)/(inch)	Width (mm)/(inch)
karb 3	2320/91,3	1770/69,7	1115/43,9
karb 4	2320/91,3	1770/69,7	1115/43,9
karb 5,5	2200/86,6	2320/91,3	1115/43,9
karb 7,5	2200/86,6	2320/91,3	1115/43,9
karb 9,5	2370/93,3	2740/107,8	1115/43,9
karb 11	2370/93,3	2740/107,8	1115/43,9



RECONDITIONABLE PREFILTERS



Technical specifications of the filtering media

Type of fibres	synthetic
Max. degree of separation	87,5%
Max. operating temperature	100°C
Flame resistance	self-extinguishing (class F1)
Classification	Eurovent 4/5 EU3

• Reconditionable prefilters.

These comprise corrugated panels formed of a galvanized frame and polyester filtering media with protective mesh.

ACTIVE CARBONS



Dimensions	2,4 - 4,8 mm
Apparent density / Scheinbare Dichte	470/440 Kg/m³
Specific surface / Spezifische Oberfläche	1250 m² /g (±50)

• Active carbons.

The carbons are contained in microperforated sheet metal cylinders, which can be removed from the front for replacement.

Production Program

Portable dust collectors - Cartridge filters - Silo & boilers - Filtering extraction units for metal, chemicals, electronic, textile, food and woodworking industry - Soldering fumes filters - Source fume capture articulated arms - Spray booths - Soundproofed cabins & panels - Pressurized cabins & dust free rooms - Fans - Soundproofed boxes for fans - Ductwork and accessories - Smoke and vapour filters - Dryers: conventional & heat pump - Hose reels with suction fans for automotive industry.



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