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# VacuFil product family

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**KEMPER®**



# The new VacuFil product family

Six capacity variants for the burner-integrated extraction system



It is not possible to extract hazardous substances more effectively or closer to the welding seam: The new VacuFil units from KEMPER ensure effective health protection at the workplace. As international standards will require higher extraction capacities in the future, various capacity variants of the mobile high-vacuum extraction units are already available in order to comply with the legal requirements of the future.

The new VacuFil units are available as three analogue basic variants and three digital solutions with extraction capacities of 125, 150 and 250 m<sup>3</sup>/h. While the basic variants regulate the extraction capacity manually, the digital version automatically adjusts the required extraction volume to the respective flue gas extraction torch that is used – just like cruise control.

## Comfortable torch selection

Welders intuitively select the respective flue gas extraction torch and the unit automatically adjusts the air volume flow on the basis of the parameters stored in the unit.



## Single workspace or multi-workspace extraction

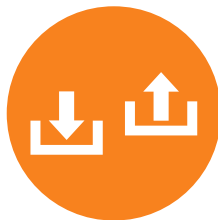
Depending on the capacity variant, suitable for one or more workspaces.



## Best health protection

The fumes are extracted directly at the source in a very effective way.





#### Order data

Art. no.	Description
82400	VacuFil 125i
82401	VacuFil 125
82410	VacuFil 150i
82411	VacuFil 150
82420	VacuFil 250i
82421	VacuFil 250

#### Replacement and accessory parts

Art. no.	Description
109 0434	4m <sup>2</sup> Kemtex ePTFE membrane filter cartridge
109 0472	Prefilter mats for motor cooling (set of 10)
119 0951	Disposal bin for VacuFil 125
94 102 702	Start/stop automatic mode as a sensor, 5 m connection cable (125i, 150i, 250i)

#### Applications

- » High levels of smoke and dust
- » Non-stop operation
- » Torch extraction

#### Properties

- » Automatic filter cleaning, differential pressure controlled
- » Side channel blower
- » KemTex ePTFE filter cartridge
- » Contamination free dust removal in disposable containers
- » Kemper Cloud connection via wireless technology (125i, 150i, 250i)\*
- » Control via touch panel (125i, 150i, 250i)
- » Speed control via potentiometer (125, 150, 250)

#### Benefits

- » Best health protection for employees through use of KemTex ePTFE filter cartridges with surface filtration
- » Uninterrupted continuous operation due to automatically controlled filter cleaning
- » Comfortable flue gas extraction torch selection via touch display with automatic extraction capacity regulation (125i, 150i, 250i)
- » Stepless preselection of the side channel compressor speed (125, 150, 250)
- » Fleet management, remote maintenance and predictive maintenance using self-sufficient cloud (125i, 150i, 250i)\*

#### Accessories

- » Automatic start/stop
- » Extraction hose
- » Slit and funnel nozzle
- » Connector for welding torches
- » Kemper-Connect cloud (125i, 150i, 250i)\*

\*Cloud function: Cloud use free of charge for 12 months

# VacuFil at a glance

## Technical data

	VacuFil 125i	VacuFil125	VacuFil150i	VacuFil150	VacuFil250i	VacuFil250
<b>Unit properties</b>						
KEMPER-Connect*	x		x		x	
Extraction capacity control	Automatic	Manual	Automatic	Manual	Automatic	Manual
<b>Filter</b>						
Filter stages	2	2	2	2	2	2
Filter method	Cleanable filter	Cleanable filter	Cleanable filter	Cleanable filter	Cleanable filter	Cleanable filter
Cleaning method	Rotating nozzle	Rotating nozzle	Rotating nozzle	Rotating nozzle	Rotating nozzle	Rotating nozzle
Filter surface	4 m <sup>2</sup>	4 m <sup>2</sup>	4 m <sup>2</sup>	4 m <sup>2</sup>	4 m <sup>2</sup>	4 m <sup>2</sup>
Type of filter	Filter cartridge	Filter cartridge	Filter cartridge	Filter cartridge	Filter cartridge	Filter cartridge
Filter material	ePTFE membrane	ePTFE membrane	ePTFE membrane	ePTFE membrane	ePTFE membrane	ePTFE membrane
Filter efficiency	> 99.9%	> 99.9%	> 99.9%	> 99.9%	> 99.9%	> 99.9%
Dust classification	M	M	M	M	M	M
<b>Basic data</b>						
Extraction capacity	125 m <sup>3</sup> /h	125 m <sup>3</sup> /h	150 m <sup>3</sup> /h	150 m <sup>3</sup> /h	250 m <sup>3</sup> /h	250 m <sup>3</sup> /h
Max. vacuum	28000 Pa	28000 Pa	29000 Pa	29000 Pa	30000 Pa	30000 Pa
Dimensions (W x D x H)	635x885x1120 mm	635x885x1120 mm	635x885x1120 mm	635x885x1120 mm	635x885x1120 mm	635x885x1120 mm
Weight	130 kg	130 kg	130 kg	130 kg	140 kg	140 kg
Motor power	1.5 kW	1.5 kW	1.5 kW	1.5 kW	2.2 kW	2.2 kW
Power supply	1 x 230V / 50Hz	1 x 230V / 50Hz	3 x 400V / 50Hz	3 x 400V / 50Hz	3 x 400V / 50Hz	3 x 400V / 50Hz
Rated current	13 A	13 A	6.4 A	6.4 A	8.6 A	8.6 A
Noise level	66 dB(A)	66 dB(A)	66 dB(A)	66 dB(A)	66 dB(A)	66 dB(A)
<b>Additional information</b>						
Fan type	Side channel blower	Side channel blower	Side channel blower	Side channel blower	Side channel blower	Side channel blower
Compressed air supply	5 – 6 bar	5 – 6 bar	5 – 6 bar	5 – 6 bar	5 – 6 bar	5 – 6 bar
Connecting piece	D = 45 mm	D = 45 mm	D = 45 mm	D = 45 mm	D = 45 mm	2 x D = 45 mm
Air outlet	D = 63 mm	D = 63 mm	D = 63 mm	D = 63 mm	D = 63 mm	D = 63 mm

\*Cloud function: Cloud use free of charge for 12 months

Contact us. We are happy to help!

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