

# Industrial Vacuum Cleaner for dust class H

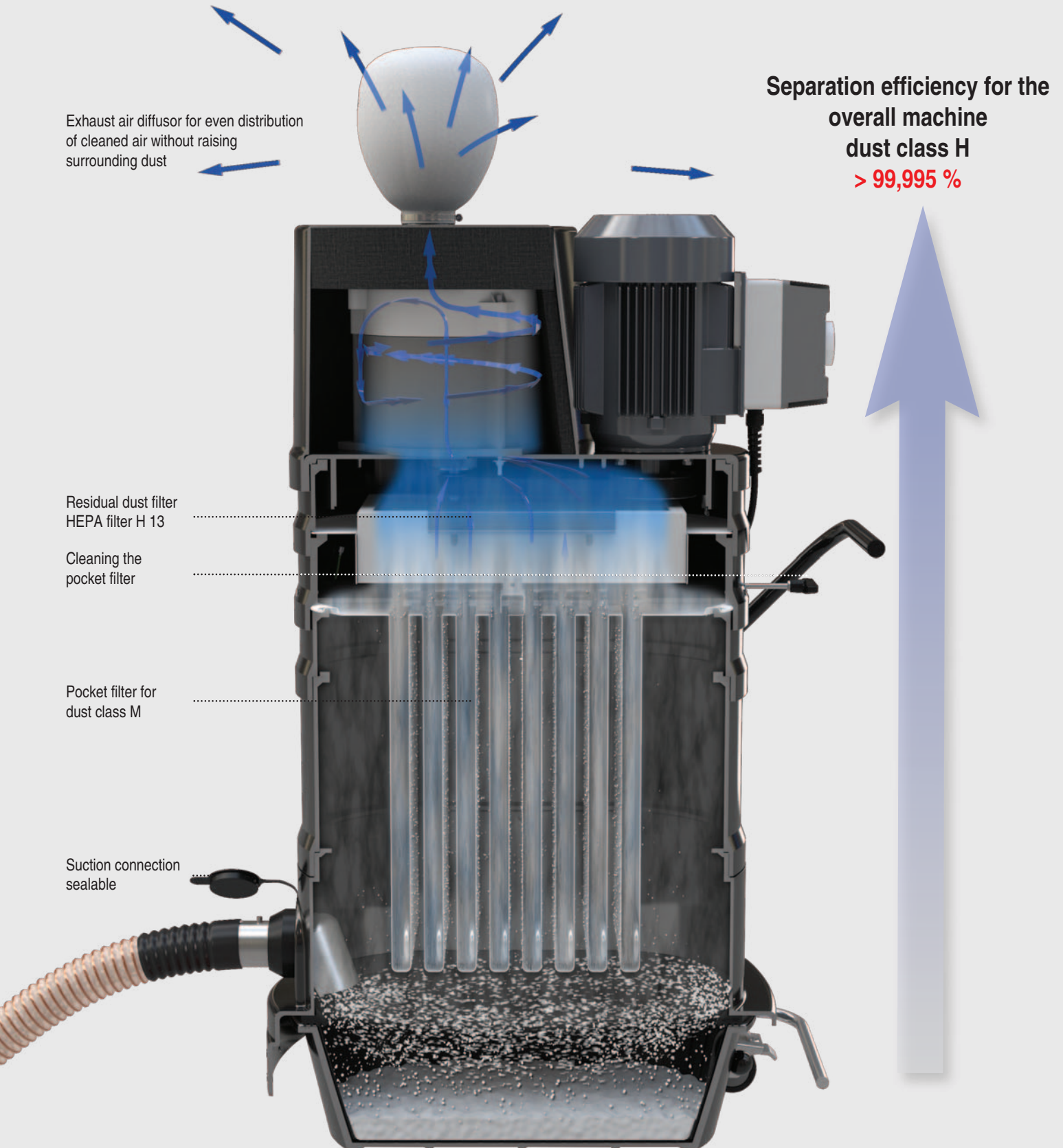


**H**

CAUTION! This appliance contains dust that is hazardous to health. Emptying and maintenance, including removal of the dust bin, must only be carried out by qualified personnel wearing the appropriate personal protective equipment (PPE). Do not operate without the complete filtration system installed.

**H**

# Safety through filtration in accordance with EN 60 335-2-69



# Dust classes and filter classes

## Dust classes - Classification for dust-removal machinery in accordance with EN 60335-2-69

Dust class	Dust hazard	Health-hazardous dust	Transmittance
<b>L</b>	low	with OEL* > 1 mg/m <sup>3</sup>	< 1 %
<b>M</b>	medium	with OEL* ≥ 0,1 mg/m <sup>3</sup>	< 0,1 %
<b>H</b>	high	with OEL* < 0,1 mg/m <sup>3</sup> and carcinogenic, germ cell mutagenic, reproduction toxic or pathogenic hazardous materials	< 0,005 %

\* OEL - Occupational Exposure Limit

## Filter classes - Filter element classification in accordance with DIN EN 1822

Filter class	Integral efficiency	Transmittance
<b>E 10</b>	≥ 85 %	≤ 15%
<b>E 11</b>	≥ 95 %	≤ 5 %
<b>E 12</b>	≥ 99,5 %	≤ 0,5 %
<b>H 13</b>	≥ <b>99,95 %</b>	≤ <b>0,05 %</b>
<b>H 14</b>	≥ <b>99,995 %</b>	≤ <b>0,005 %</b>
<b>U 15</b>	≥ 99,9995 %	≤ 0,0005 %
<b>U 16</b>	≥ 99,99995 %	≤ 0,00005 %
<b>U 17</b>	≥ 99,999995 %	≤ 0,000005 %

E = Efficiency Particulate Air filter (EPA) - H = High Efficiency Particulate Air filter (HEPA) - U = Ultra Low Particulate Air filter (ULPA)

DIN EN 1822 establishes a process for reviewing efficiency based on particle counting methods using a liquid (or alternatively a solid) test aerosol, allowing for a uniform classification of particulate filters based on their separation efficiency.

Dust removal machinery from Ruwac for dust classes M and H is constructed to be protected against the accidental release of hazardous dust from the machine when it is not in use.

# Advantages of the Ruwac system

- Glass reinforced plastic (GRP) housing
  - Ruwac modular system
  - Long service life through regular filter cleaning – manually, electrically or pneumatically
  - Safe disposal of hazardous materials
  - Low-dust emptying through disposal systems
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- Made in Germany
  - Individual solutions tailored to customer needs

## Choice of disposal systems



Disposal with conductive poly bag



Disposal container with cover



Disposal container with cover

