

# ACD



## Extraction and Filtration Technology for Odours, Gases, and Vapours

Extraction. Filtration. Persistence.





*Adhesives not only have an unpleasant smell, they are also harmful. Therefore, effective extraction and filtration technology is mandatory in many industrial processes.*

# If mouth protection and car fresheners are no solutions.

Many production processes in industries such as chemical, pharmacy, food, metallurgy, machinery, plant engineering or automotive release airborne pollutants in the form of gases and vapours. Quite often, they are accompanied by unpleasant odours.

## Odours, gases, and vapours

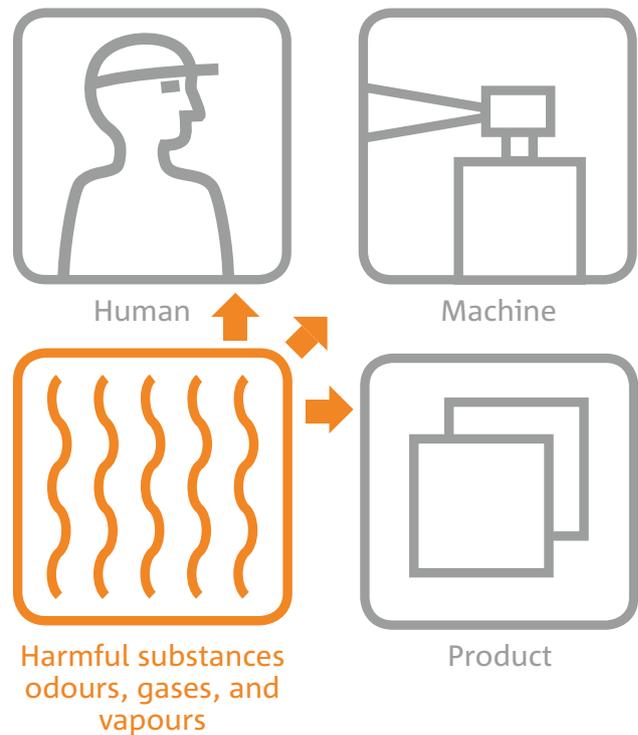
Chemical processes produce gases, acid fumes or solvent vapours that irritate eyes and lungs. Some of them – even in small concentration – act as respiratory poisons or neurotoxins; other generate danger of explosion.

Gases and vapours are mainly accompanied by particles and aerosols. They affect the respiratory tract and can also damage machinery and products by creating firmly attached dirt layers. Therefore, legal regulations on the removal of such contaminants from the air at workplaces are strict.

## Extraction and filtration technology

ULT's ACD type extraction and filtration technology is distinguished by individually designed capture solutions and cost-saving innovative filtration systems. Available are mobile units requiring little space, e.g. to be utilized in laboratories. In addition, ULT provides solutions that are suited for automated production facilities because of their versatility and operating reliability.

## The threefold damaging effect of odours, gases, and vapours



## Typical fields of application

- » Glueing
- » Varnishing
- » Laminating
- » Coating
- » Laboratory activities
- » Chemical processes
- » Chemical cleaning
- » Dosing
- » Moulding

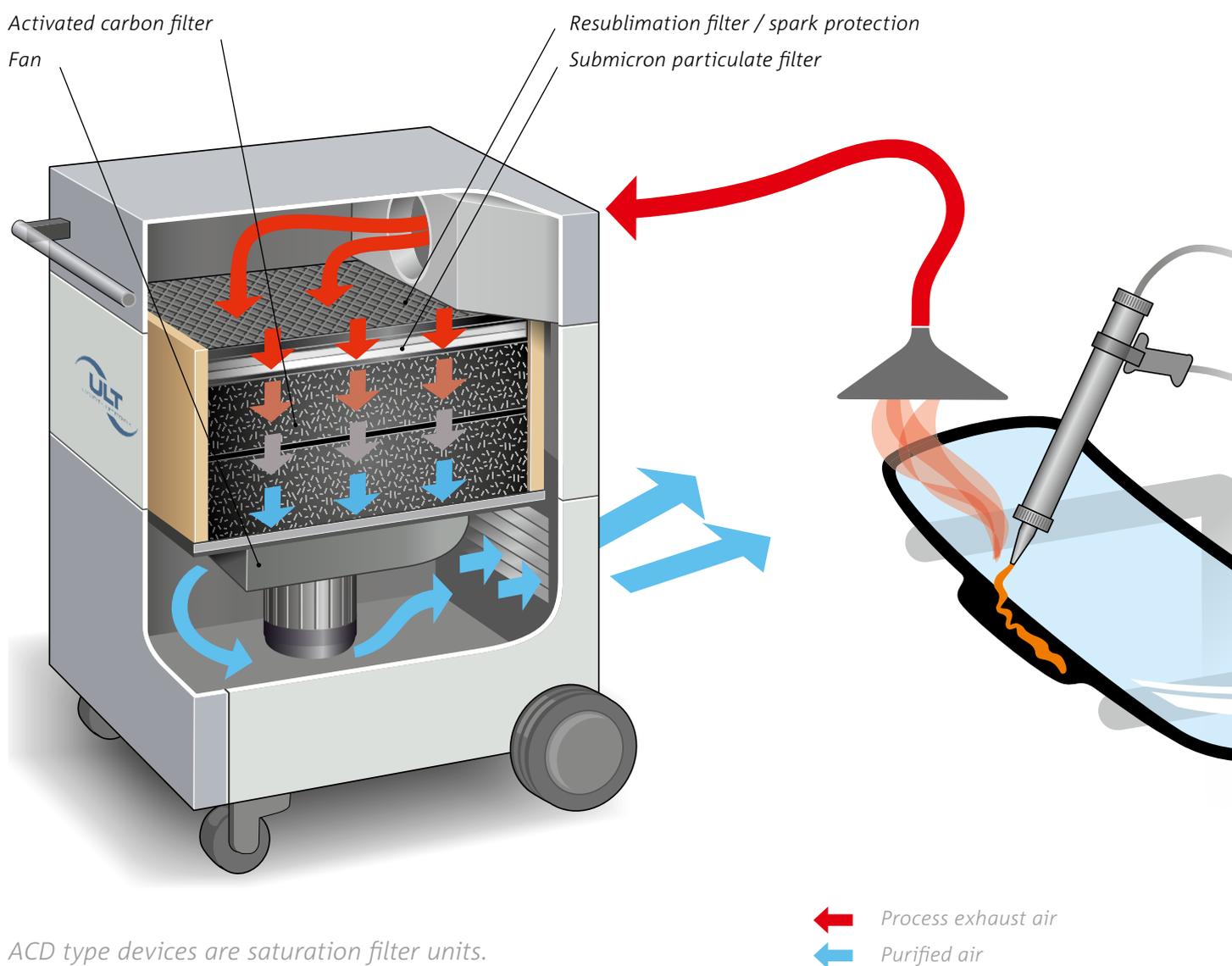
# Extraction and filtration with stepped performance levels.

## Filtration system

Type ACD devices are saturation filter units. Their complex filtration systems retain gaseous contaminants as well as dust particles and aerosol droplets. The purified air can then be re-circulated back into the working room, greatly enhancing energy management. Saturated storage filters are easily exchanged and can partly be refurbished. Due to innovative filter concepts

enabling long filter service life, investment expenses are low.

To precisely capture pollutants, extraction and filtration units may be equipped with suitable extraction arms and collecting elements. For this purpose ULT offers high quality products from leading suppliers.



## Performance classes

ACD extraction and filtration technology includes a broad range of units, graded for air capacity. The offerings extend from small, ergonomically designed mobile units for individual workstations to high performance systems for automated or semi-automated production lines.

Some models can be optimised for special operating conditions, e.g. for caustic or explosive gas mixtures and high amounts of emissions. To eliminate odours, suitable adsorbents such as activated carbon are used.

ACD series	Volume flow max. [m <sup>3</sup> /h]	Vacuum max. [Pa]	Nominal capacity [m <sup>3</sup> /h at Pa]
ULT JUMBO Filtertrolley 2.0 ACD	170	2,800	80/1,900
ACD 160	190	3,200	80/1,900
ACD 200	635	3,200	250/2,000
ACD 300	900	3,650	250/3,500
ACD 400 Ex	900	1,650	400/1,400
ACD 400	1,000	2,600	400/2,300
ACD 1200	2,100	2,880	800/2,700



Upper row: ACD 1200 and ACD 400  
 Lower row: ULT JUMBO Filtertrolley 2.0 ACD,  
 ACD 160, ACD 300.

# ACD: Perfect serial products. Built with sophisticated engineering.

ACD stands for sophisticated production devices of extraction and filtration units for odours, gases, and vapours – organised in modules according to user requirements.

If needed, they allow for an optimised adaptation to respective operating conditions and become an integral part of the production plants.

## Particularly user friendly

Low noise level and low energy consumption. Simple operation and maintenance. Recirculation operation possible. Easy and contamination low filter exchange.



*Space-saving mobile ACD type units can be utilised at laboratory work places.*

## From compact to large

ULT's solutions range from mobile equipment for individual work places to automated production. Also for environments with a lack of space.

## Safety for automated production lines

The filter systems' long service life significantly reduces down time and maintenance costs.

## Individual extraction solutions

The design of the extraction point gets adapted to the individual workplace condition.

## Open to special requirements

Available in ESD and ATEX design, respectively. They are also available with stainless steel housing, for corrosive gases, special supply voltage and frequency, digital control for pressure stabilisation, timer function, filter analysis and interfaces for external control.

## Exceptional service.

On-site installation and commissioning by ULT. Functional warranty included.

## ULT AG

ULT AG provides extraction and filtration technology that really works: in-house developed excellent series units, adapted to individual requirements by sophisticated engineering.

From single workplaces to full site solutions. Permanent research ensures that even the latest production processes are safely served



LASER FUMES



DUST AND SMOKE



SOLDERING FUMES



ODOURS, GASES, AND VAPOURS



CLEANING INDUSTRIAL GASES



PROCESS AIR DRYING



WELDING FUMES



OIL AND EMULSION MISTS



COMPLETE SOLUTIONS



*Based on sophisticated series devices ULT AG provides adapted solutions for extraction and filtration technology.*

## ULT AG

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ULT is certified according to ISO 9001:2008. The plants are designed according to international standards. If required, they will be certified according to ATEX and W3 and tested to meet H requirements.

In addition, the plants always comply with current EC directives on energy efficiency (ErP directive: Total energy efficiency of ready-to-use ventilation systems or minimum energy efficiency of electric motors).

Detailed technical information can be found on device specific data sheets or on our website. All technical data is general and not binding and does not guarantee the suitability of a product for a specific application.



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