

KÄRCHER



NO BURNING ISSUES HERE!

Kärcher ACD industrial vacuums for
the safe vacuuming of combustible dust.

karcher.com



PROFESSIONAL | INDUSTRIAL VACUUM

EXTRA CLEVER, MAXIMUM SAFETY.

Kärcher ACD industrial vacuums have lots of clever safety features to fulfil the latest international standards as defined in IEC 60335-2-69 – and therefore meet all the requirements for the reliable collection of combustible types of dust.

Conductivity Thanks to the conductive design, electrostatic charges are dissipated and prevented so that the industrial vacuum itself does not become an ignition source. Conductive filters as well as the earthing of the entire machine ensure safety: from the wheels to the collection container and seals through to the power cable. In addition, Kärcher ACD vacuum cleaners can only be operated with conductive accessories.

Volume flow monitoring In order to avoid hazardous deposits in the suction hose, the combustible particles must be vacuumed at a minimum speed of 20 m/s and safely directed into the collection container. For this purpose, the volume flow is monitored optically for ACD industrial vacuums from Kärcher.

Filter class So that ACD industrial vacuums can safely pick up flammable types of dust, the machines are built in accordance with minimum dust class L. Machines with an H filter have a 2-stage filter system which provides twice the safety and maximises the service life of the H filter. An absolute must for hazardous H dust types.



Above Safe vacuuming of combustible dust types – with conductive Kärcher accessory.

Above right Safe bet: ACD industrial vacuum with conductive M and H filters.

Below right Reliable volume flow monitoring with pressure gauge.





Inorganic flammable dust

Fine particles of plastic or metal are flammable. Aluminium, titanium and magnesium are at such risk of ignition and explosion that additional inerting of the dust is recommended.



Organic flammable dust

Carbon-based particles such as flour or cellulose dust initially appear harmless. Depending on the concentration or in combination with oxygen, there is considerable potential for ignition.



COOL DUDES FOR BURNING SITUATIONS

Looking for vacuum superheroes for particles with risk of ignition and explosion? This is where the ACD industrial vacuums from Kärcher come into play – they tackle diverse applications with brilliance.



IVM 40/24-2 H ACD The small, extremely manoeuvrable Kärcher industrial vacuum with around 250 m³/h air flow* for vacuuming flammable dust vacuums organic dust such as flour or wood just as reliably as inorganic dust. The machine is equipped with an easy-to-clean stainless steel collection container. The efficient manual Pull-and-Clean filter cleaning cleans the PTFE-coated filter reliably, also if adhesive dust is present.

- M star filter with 1.6 m², PTFE-coated and conductive, as well as H cartridge filter with 1.6 m²
- 1 Ph, 220-240 V, 50-60 Hz, 2300 W rated input power
- 40 l collection container
- Manual Pull-and-Clean filter cleaning
- Container with 2nd suction hose port for safety filter bag for the dust-free emptying of H dust types



IVM 60/24-2 M ACD WS The specialist for inerting dust at risk of self ignition and explosion such as aluminium, titanium and magnesium, which arises during grinding, polishing or additive manufacturing. The integrated wet pre-separator has an impressive air flow* of around 530 m³/h as well as compact dimensions. The suction material is wetted in the liquid bath and the solid substances are separated in the filter fleece.

- M star filter with 2.2 m², PTFE-coated and conductive
- 1 Ph, 220-240 V, 50-60 Hz, 2400 W rated input power
- 60 l collection container with screen basket for 8 kg of solid substances
- Manual filter cleaning
- Liquid sight glass and mechanical shutdown in the event of low inert liquid level



IVM 60/36-3 H ACD The powerful, reliable power pack for collecting larger volumes of combustible dust and solid substances has an impressive air flow* of around 500 m³/h, small dimensions and its easy-to-clean stainless steel container. The main filter can be cleaned reliably with the filter shaker at any time.

- M star filter with 2.2 m², PTFE-coated and conductive, as well as H cartridge filter with 3.5 m²
- 60 l collection container
- 1 Ph, 220-240 V, 50-60 Hz, 3600 W rated input power
- Container with 2nd suction hose port for safety filter bag for the dust-free emptying of H dust types
- Manual filter cleaning

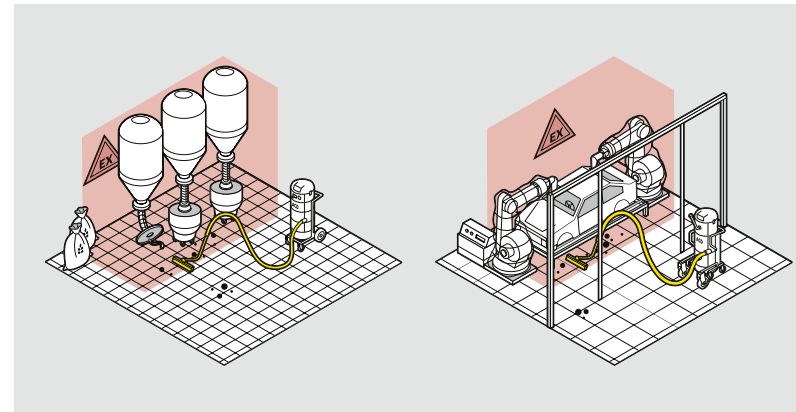
* Different air flow depending on diameter and length of suction hose.

100% SAFETY. 70% PRICE.

Maximum efficiency thanks to moderate purchase price along with maximum safety in accordance with IEC 60335-2-69: with ACD industrial vacuums from Kärcher you are perfectly equipped for a wide range of applications – no need for an ATEX machine.

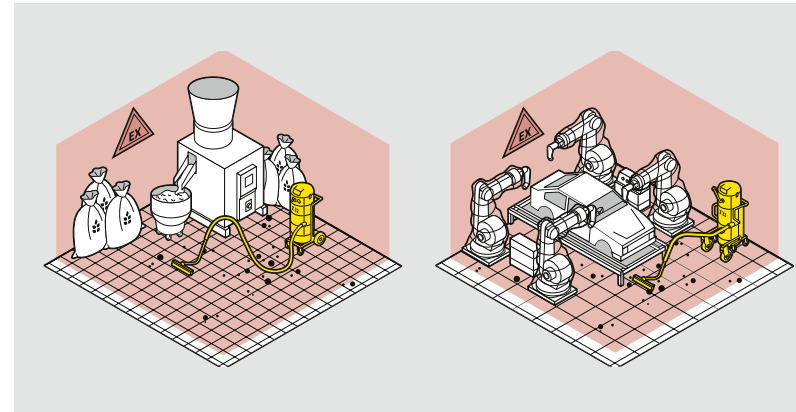
Combustible dust within ATEX Zone 22 – accessories inside, vacuum cleaner outside

ACD industrial vacuums make it easy to collect flammable particles within an ATEX zone. The machine is positioned outside and the dust is vacuumed with the accessory in the ATEX zone. In many applications one ACD machine is sufficient as an ATEX Zone 22 is generally very small.



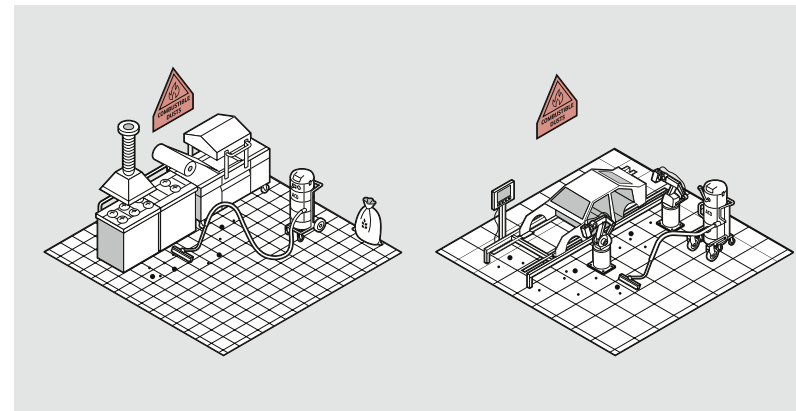
Combustible dust within ATEX Zone 22 – accessories and vacuum cleaner inside

Combustible dust can also be easily vacuumed in ATEX zones. The Ex industrial vacuums from Kärcher are available for this purpose. In order to be able to vacuum particles directly in an ATEX zone with the machine and accessories, an ATEX industrial vacuum must be used.



Combustible dust outside ATEX Zone 22 – accessories and vacuum cleaner outside

ACD industrial vacuums from Kärcher for the safe and efficient vacuuming of combustible dust are also always the right choice outside ATEX zones.



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