

**KÄRCHER**

# SAFE. SIMPLE. COMPACT.

The wet pre-separator for  
ignitable and explosive dusts.

[kaercher.com](https://www.kaercher.com)



**PROFESSIONAL** | IVM 60/24-2 M ACD WS



# SAFE. EFFICIENT. INERTED.

A user-friendly, compact and safe vacuum cleaner with a large range of accessories – your perfect solution.

## **Reliable vacuum – safe production**

In additive manufacturing, 3D objects are manufactured fully automatically, mainly from metal powders. These metal powders can be very dangerous due to the risk of ignition or explosion. Potentially explosive fine dusts, e.g., from aluminium, titanium, magnesium or other conductive metals, also arise during common processes such as grinding, honing and polishing. Therefore, inerting is imperative.

The IVM 60/24-2 M ACD WS is the expert when it comes to picking up these dusts. Because it fulfils all safety requirements for this application – and at the same time offers performance, sustainability and simple operation in one machine.

## **Appropriate equipment for every application**

A Kärcher vacuum cleaner combined with Kärcher accessories: your key to achieving a safe production environment. There is a broad range of conductive brushes, nozzles and suction tubes made from metal or plastic available for the various applications.

# IVM 60/24-2 M ACD WS



## WHAT'S ON THE INSIDE IS JUST AS IMPORTANT

Mechanical switch-off of the suction power when inert liquid level is low

Internal line system for the forced moistening of the vacuumed material in the inert liquid bath

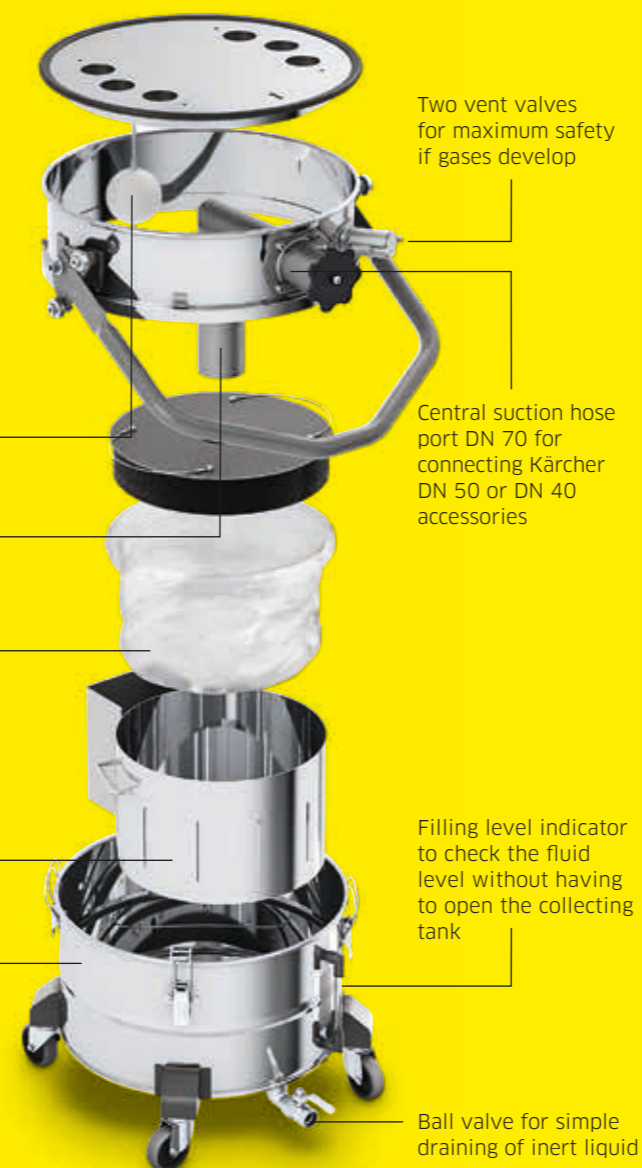
Filter fleece for the simple removal of solid matter

Integrated screen basket for the simple removal of the filter fleece with the solids

Easy-to-clean stainless steel collecting tank

### YOUR COMPLETE MACHINE

The IVM 60/24-2 M ACD WS is truly impressive: with powerful technology, simple operation and many well-thought-out details. A real gain for all production areas with materials that need to be inerted.



#### Equipment

- Motor head with two high-performance turbines
- Long-lasting, manoeuvrable chassis
- PTFE-M class main filter (2.20 m<sup>2</sup>)
- Force-guiding of vacuumed material into inert liquid tank
- Automatic switch-off at low filling level
- Filling level indicator via inspection glass
- Inerting with oil or water, depending on application
- Pressure gauge for volume flow monitoring
- Two vent valves to avoid the accumulation of explosive gases
- Two-part tank system incl. drain tap for simple draining of inert liquid

#### Areas of application

- For suctioning conductive fine dusts
- For suctioning fine metal powder from aluminium, magnesium or titanium, which arises, e.g., during additive manufacturing
- For maintenance cleaning of processing machines where fine metal dusts arise (polishing, grinding, etc.)
- For suctioning all common laser dusts in dust class M
- For small to medium quantities

#### Overview of IVM 60/24-2 M ACD WS

Power	2,400 watt
Vacuum	254 mbar
Air flow rate	148 l/s, 532 m <sup>3</sup> /h
Filter	PTFE-M class main filter
Vacuuming solids	up to 8 kg

**Compact** The fully integrated, wet pre-separator impresses with compact dimensions, a manoeuvrable chassis and low storage space requirements. This guarantees reliable pick-up of the vacuumed material, even in areas that are difficult to access.

**Safe** The vacuumed material is force-guided through the inert liquid and is fully wetted. The entire system can be reliably monitored via the filling level indicator in the tank. The switch-off in the case of low liquid level provides maximum safety.

**Simple** The vacuumed material is separated out in a filter fleece, which can be cleanly and easily removed.

# KÄRCHER

makes a difference

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