

ATEX AND ACD VACUUM CLEANERS

# M 45 H ACD INERT

## INDUSTRIAL VACUUM FOR INERTIZING COMBUSTIBLE DUSTS



**POWER**  
2,6 kW - 3,5 HP



**APPLICATION**  
Combustible dusts



**COLLECTION SYSTEM**  
Container with inertizing  
bath

## FEATURES

- Classified ACD for suction of combustibile dust in non-Atex zones
- Ideal for safely extracting conductive metallic dusts
- Container with an inert liquid bath that prevents the formation of explosive atmospheres inside the vacuum
- Vacuum gauge to monitor performance

## HIGHLIGHTS



### SUCTION UNIT

Suction is provided by 2 by-pass motors controlled by independent switches, allowing the operator to control suction performance. The motors are located inside a robust enclosure, with an insulating sponge to maintain a low noise level.



### FILTER UNIT

Filtration is provided by two progressive efficiency filters installed in series: a primary star polyester filter class M (filtering efficiency 1 micron) with high filtering surface area and an absolute secondary filter in class H14.



### DESIGNED FOR COMBUSTIBLE DUST

The vacuum unit is a powerful Brushless motor, suitable for continuous work. Two filters are installed on the vacuum cleaner head: one to protect the motor and the other placed on the air outlet. The air that escapes is totally carbon-free.



### INERTING LIQUID BATH

Container with conductive dust immersion system. Prevents the formation of explosive atmospheres inside the vacuum cleaner by neutralizing incoming dust.

## TECHNICAL DATA

### MOTOR

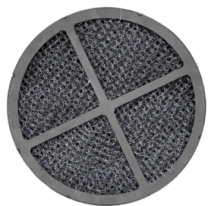
Typologies	By-pass
Power	2,6 kW - 3,5 HP
Frequency	50/60 Hz
Voltage	230 V
Vacuum in continuous run	250 mBar
Maximum air flow	380 m3/h
Insulation class	54   F IP
Noise level	72 dB(A)

### MACHINE

Suction inlet	50 Ø mm
Collection system	AISI304 stainless steel container
Capacity	45 Lt
Liquid discharge system	Discharge valve
Dimensions	550 x 620 mm
Height	1400 mm
Weight	50 Kg
Solid separation	Basket grid
Liquid separation	PPL bag 150µm
Safety valve	2x Hydrogen Vent

### FILTRATION

Primary filter type	Cartridge
Filter surface	35000 cm2
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Additional filter	Spark trap
Secondary Absolute Filter	H14 - Included

**FEATURES**

**ANTI-SPARK FILTER**

Protective filter that prevents the passage of sparks


**HYDROGEN VENT**

Safety valve to let out any gases formed inside the aspirator


**PUSH HANDLE**

**SHUKO TYPE PLUG**

**POWER SUPPLY CABLE**

**WHEEL WITH BRAKE**

Non-marking wheel with integrated brake


**WHEELS**

Non-marking pivoting wheels


**STEEL CONSTRUCTION**

Rugged industrial coated steel construction


**BX**

Stainless steel bin AISI 304


**FILTER CLOGGING INDICATOR**

Filter clogged or need to be replaced indicator light


**GRD**

Grounding


**HEPA 14**

Absolute filter (EN 1822)

## OPTIONS

### STRUCTURE AND OPTIONS

**60<sup>Hz</sup>**

**60HZ**  
Available in 60Hz version



**3 YEARS WARRANTY**  
Purchasing the replacement filter along with the vacuum

## ACCESSORIES



**P12377**  
**ANTISTATIC KIT PRO Ø 50MM**  
Kit containing antistatic accessories for application with 50 mm diameter ATEX vacuum cleaner



**P12378**  
**ANTISTATIC STARTER KIT Ø 50MM**  
Basic kit containing antistatic accessories for application with 50 mm diameter ATEX vacuum cleaner