

ATEX AND ACD VACUUM CLEANERS

ECOBULL T H ACD INERT INDUSTRIAL VACUUM FOR INERTING COMBUSTIBLE DUST



POWER
3 kW - 4 HP



APPLICATION
Combustible dusts




COLLECTION SYSTEM
Liquid bath inerting system

FEATURES


- ACD classified for combustible dust extraction in non-Atex classified areas
- Ideal for safe extraction of reactive dusts
- Container with inerting liquid bath that neutralizes the dust sucked in
- Vacuum gauge for performance monitoring

HIGHLIGHTS




SUCTION UNIT

The suction unit is a side channel blower with direct coupling between motor and impeller. The turbine is equipped with a safety valve to ensure continuous, maintenance-free operation. A metal silencer is included as standard in the turbine to ensure 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

Ideal for collecting fine and potentially combustible dust in non-ATEX classified areas. The ACD vacuum is equipped with antistatic filters and full grounding to ensure safe and reliable operation.



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 | Side channel blower |
| Power | 3 kW - 4 HP |
| Frequency | 50/60 Hz |
| Voltage | 400 V |
| Vacuum in continuous run | 230 mBar |
| Maximum air flow | 340 m3/h |
| Insulation class | 55 F IP |
| Noise level | 72 dB(A) |

MACHINE

| | |
|-------------------------|--------------------------------|
| Suction inlet | 50 Ø mm |
| Collection system | Container with inerting liquid |
| Capacity | 100 Lt |
| Liquid discharge system | Discharge valve |
| Dimensions | 660 x 800 mm |
| Height | 1630 mm |
| Weight | 95 Kg |
| Solid separation | Basket grid |
| Liquid separation | 150µm liquid filter |
| 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 |

OPTIONS

STRUCTURE AND OPTIONS

60^{Hz}

60HZ
Available in 60Hz version



3 YEARS WARRANTY
Purchasing the replacement filter along with the vacuum

ACCESSORIES



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



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