

SCHEMA TECNICA

# FOX TS 5,5 Z22 I13D INDUSTRIAL VACUUM

## ASPIRATORI INDUSTRIALI ATEX ED ACD

The **FOX TS 5,5 Z22** is an **ATEX-certified IIC industrial vacuum cleaner**, therefore suitable for working with **conductive metal powders**. The vacuum is generated by an **ATEX-certified side channel turbine**, protected and silenced by the rear casing. The **sucked material** is conveyed into the **front chamber, made of AISI 304 stainless steel**, where the inert liquid inside it eliminates any ignition sources. The **industrial vacuum cleaner** is equipped with an additional **filter with an anti-spark trap** to avoid any **danger of explosion**. The material is then **discharged from below** through a **ball valve**. If desired, it is possible to use a **container with solid/liquid separation** for decantation in order to recover the sucked material for its **reuse**.



**POTENZA**  
4 kW



**SUPERFICIE**  
15.000 cm<sup>2</sup>



**CAPACITÀ**  
50 Lt

**HIGHLIGHTS**

**SUCTION UNIT**

The suction unit is an ATEX certified side channel blower with direct coupling between motor and impeller. Furthermore, to guarantee safe work, the unit is equipped with a safety valve which, in the event of obstruction in the vacuuming elements, prevents overheating.


**INLET**

The vacuumed material enters the chamber through the inlet which is totally immersed in the inert liquid. In this way it is possible to vacuum metal dust IIIC and potentially explosive materials. Thanks to this system the probability of an external trigger is essentially inexistent. An inspection window allows the operator to keep the amount of liquid inside the hopper under control at all times. The AISI 304 stainless steel hopper prevents oxidation and guarantees better conductivity to eliminate electrostatic charges.


**ANTI-SPARK TRAP**

Inside the hopper is installed an anti-spark grid whose base is an AISI 304 stainless steel micro-perforated sheet and the upper part is made out of steel wool. It is an additional safety system to ensure that no spark passes through the chamber. The grill is removable and easily cleanable.


**SAFETY FILTER**

The vacuum cleaner is equipped with an M Class (EN 60335-2-69) safety filter to protect the operator's health and the blower. In the unlikely chance a particle of the collected material goes through the water it will be stopped. Furthermore, on the lid is installed a safety valve for the automatic discharge of hydrocarbon gases.

**DATI TECNICI**
**MOTORE**

Tipologia	side channel blower
Marcatura ATEX	II 3 D Ex htc IIIC T140°C Dc
Voltaggio	400V
IP	65
Vuoto in continuo	230mBar
Massima portata d'aria	450m3/h
Valvola di sicurezza	included
Livello di rumorosità	73dB(A)
Frequenza	50/60Hz
Potenza	5,5HP
Classe di isolamento	F

**FILTRO PRIMARIO**

Media	antistatic polyester
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**MACCHINA**

Bocca aspirante	50Ø mm
Dimensioni	660 x 1.200mm
Altezza	1.510mm
Peso	157Kg
Tramoggia	Acciaio INOX AISI 304

**ACCESSORI**



**P12378**

**STARTER KIT ANTISTATICO Ø 50MM**

Kit base di accessori antistatici per applicazione con aspiratore ATEX in diametro 50 mm



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