

Tetra Pak® Dust Filter FL001

Self-cleaning filter for dust filtration



APPLICATION

Tetra Pak® Dust Filter FL001 is specifically designed to ensure volumetric air exchange. As an option, the filter can be equipped with a fan which will allow a wide variety of applications such as mixing, pneumatic conveying and discharging from a hopper over a feeder with an airlock.

The unique compact design allows easy fitting in an existing installation or in a limited space. The filter has a stainless steel body and is suitable for the food industry with high hygiene requirements for powder products. Tetra Pak® Dust Filter FL001 is ideal for handling powders in applications such as bakery, culinary, beverages dealing with sugar, salt, flour etc.

HIGHLIGHTS

- Optimal compact design
- Fast and complete self-cleaning
- Ergonomic design
- High standard of hygiene
- Atex II3D and CE compliance

WORKING PRINCIPLE

The process air goes through filter media where the dust particles are retained. Purified air goes out through the clean side.

A reverse jet effect is then created to remove dust from the filtering surface. The dust is either collected or sent back into the process. The shape and composition of the filtering media are particularly suitable for a food application. Cleaning is made easier and the filtering surface is optimized. Furthermore, the cylindrical design of the body prevents powder retention.

STANDARD SCOPE OF SUPPLY

1. Stainless steel cylindrical body
2. Filtering medium and framework
3. Stainless steel compressed air tank
4. Solenoid valve
5. Pressure regulator
6. Pull ring

OPTION

7. Vacuum fan

DIMENSIONS AND CAPACITIES

Type	FL001
Ø, mm	300
A, mm	392
B, mm	625
H1, mm	805
H2, mm	1 130
Weight, kg	40
Filtering surface, m ²	0.7

Compressed air

Pressure, bar	3.5
Outflow, m ³ /h	2.4

Fan Frequency 50 Hz

Power, kW	0.18
Outflow, m ³ /h	100

Fan Frequency 60 Hz

Power, kW	0.18
Outflow, m ³ /h	100

