

TANK PRESSURE UNIT



TPU 500 MODULAR FAN FILTER UNIT

SPECIFICATION	TPU 500
Construction	304L stainless steel
Clean Air Delivery	500 m3/h
Pre-filter	Viledon ISO ePM2.5 65%
Final filter	Viledon EPA11 to HEPA14 as specified by customer
Fan and motor assembly	Single phase, backward curve, centrifugal, EC Motor
Fan Control	Automatic Volume Control Regulator
Pressure switch	Located on unit (wiring in not included)
Tank connection	200NB as specified by Customer
Dimensions [H x W x D]	1,825 x 900 x 650 mm (with stabilization cradle)
Weight, approx.(kg)	142



Application

A modular fan filter unit for the control of air quality in tanks and small filling enclosures, in the food and beverage industry. Suitable for liquid food product silo containment. Modular construction using fully welded 304 stainless steel casework sections. With multi-stage air filtration: Primary filter ISO ePM2.5 65% (F7) and a final filter (EPA11 to HEPA14) as specified by the customer.

Description

Designed for the food and beverage industry, each unit is supplied with a pressure switch and wiring to an external isolator and controller to provide constant volume regulation. An adjustable support stand is supplied to ensure stability on the tank surface. Connection from unit to enclosed tank is 200NB or as specified by customer.

Operation

Air volume is maintained at the minimum design condition throughout the life of the filtration system. The pressure switch can be set to sound an alarm or can provide a visual indication of the filter condition.



Pre-filter
MX85
ISO ePM2.5 65%
(F7)



EPA11 to HEPA14
As specified by
customer

Protecting Product from Airborne Contamination

Bacteria, yeast and mold can significantly affect product lifetime and can determine the shelf life of a dairy product.

Liquid product silo's and holding tanks with open vents or open areas can allow microbe-filled "dirty" air to come into contact with the product.

Freudenberg Filtration Technologies have developed the Tank Pressure Unit, a modular fan filter unit for the control of air quality in tanks and small filling enclosures, in the food and beverage industry. The unit is suitable for liquid silo containment supplying a contamination free blanket of air over the product.

The unit provides multi-stage filtration up from EPA11 to HEPA14 grade.



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