

EDRIZZI PAINT MIST ARRESTORS



VARIO FINE, MEDIUM AND COARSE TYPES

FILTER TYPE	FRONT DIMENSIONS [mm]	DEPTH [mm]	PAINT STORAGE CAPACITY [kg]	ARRESTANCE FOR PAINT MIST [%]
Vario fine	485 × 485	495	up to 25	up to 97
Vario fine S	485 × 485	295	up to 15	up to 97
Vario medium	485 × 485	495	up to 25	up to 95
Vario medium S	485 × 485	295	up to 15	up to 95
Vario coarse	485 × 485	495	up to 25	up to 90
Vario coarse S	485 × 485	295	up to 15	up to 90



Application

edrizzi® paint mist arrestors allow high-quality dry separation in spray booths. They are perfect as a prefilter in multi-stage filtration systems by Freudenberg Filtration Technologies.

Properties and advantages

- The simple but innovative design of these patented paint mist arrestors provides paint shops with cost-effective, efficient dry separation with a high paint storage capacity.
- The handy boxes are made from fire-retardant corrugated cardboard. This guarantees a safe and stable application.
- The majority of the overspray is collected in the front third of the paint mist arrestor. The guidance systems deep inside ensure optimum arrestance efficiency and are designed not to become saturated too fast.
- edrizzi® paint mist arrestors reduce noise levels in the spraying area by 15 to 20 dB.

- The dried paint can be disposed of cost-effectively.

Special features

There is a suitable edrizzi® paint mist arrestor for every type of paint and application:

- The edrizzi® Vario medium is the solution for the majority of surface materials.
- The edrizzi® Vario fine is used for applications in which the edrizzi® Vario medium reaches its limits in terms of arrestance efficiency. Application examples include high-rotation bells, very finely atomized solvent coatings and nano coatings.
- The edrizzi® Vario coarse is the solution for applications in which paint cakes build up on the inlet side of the edrizzi® medium, preventing attainment of the maximum service life.

Delivery method

edrizzi® paint mist arrestors are delivered unassembled, allowing cost-effective transport and storage.

You can find assembly instructions on our YouTube channel:

www.youtube.com/user/FreudenbergFilter

Note

When using the product for its intended purpose as a paint mist arrestor, it is necessary to comply with the safety regulations for avoiding self-ignition. See reverse side of this data sheet.

The figures provided are mean values subject to tolerances due to normal production fluctuations. Our explicit written confirmation is required to confirm the correctness and applicability of the information involved in any particular case. Subject to technical changes.

AVAILABLE GEOMETRIES		VARIO FINE	VARIO FINE S	VARIO MEDIUM	VARIO MEDIUM S	VARIO COARSE	VARIO COARSE S
Weight (empty)	g	≈ 2,200	≈ 1,400	≈ 1,900	≈ 1,100	≈ 1,600	≈ 800
Nominal air flow	m³/h	500–1,250					
Initial pressure drop (at 500 m³/h)	Pa	60	55	44	42	22	11
Thermal stability	°C	≤ 80					
Moisture resistance (rel. hum.)	%	up to 70*					

* Loss of stability is likely if these limits are exceeded. In the case of intensive loading with water-based paints and arrestance of overspray with a high moisture content, we recommend edrizzi® HYDRO.

SAFETY INSTRUCTIONS

FOR HANDLING PAINT MIST ARRESTORS



Instructions for reducing the risk of self-ignition in the case of paint-loaded paint mist arrestors

The classification of paint mist arrestors as “very flame-retardant construction material” according to DIN 4102 applies only to the state of the material without paint loading. As soon as organic – and therefore flammable – (paint) material has been arrested in the filter, it is no longer possible for the filter manufacturer to predict how the filter will behave in the event of a fire.

The following precautions should be taken in order to reduce the risk of self-ignition (resulting from excessive residual solvent content):

1	The paint mist arrestor should not be removed directly after spray-painting, as there will still be a high proportion of solvent in the arrested paint particles (overspray). The paint mist arrestor should remain in the spray cabin at least until it is “dust-dry” with the airflow running.	
2	After removal, the paint-loaded paint mist arrestor should under no circumstances be placed in a closed container for intermediate storage → acute risk of explosion!	
3	In the period between removal and final disposal, the paint mist arrestor should be placed in intermediate storage. The method of intermediate storage should allow unimpeded air exchange and evaporation of the residual solvent. Direct exposure to sunlight should be avoided during intermediate storage, as the rate of evaporation may be greater than the rate at which the solvent can be wicked away → local accumulation → self-ignition .	
4	It is certainly conceivable that mixing different paint systems and using paints from different manufacturers could also facilitate self-ignition. We therefore recommend that you obtain the relevant safety instructions from the relevant paint manufacturer and comply with them meticulously.	

We would like to point out that even compliance with these instructions cannot entirely rule out the risk of self-ignition. Please therefore observe the relevant ordinances on dealing with hazardous substances.