

viledon[®]

Viledon[®] NanoPleat Filters

**Exceptionally sturdy.
Outstandingly water-repellent.**



**Freudenberg
Filtration Technologies**

Freudenberg

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Viledon® NanoPleat Filter

World premiere



The NanoPleat filter material passes the water endurance test.



The filter medium stands up to contact with slight pressure.

The new Viledon® NanoPleat filters, thanks to their innovative hybrid-synthetic nanofiber technology (HSN) ensure optimum results in demanding air-conditioning applications. Wherever stringent requirements apply for clean-air quality, operational dependability and cost-efficiency, this premium filter sets new standards. Here's an overview of its salient advantages:

▪ Exceptionally sturdy

The Viledon® NanoPleat can even come into contact with slight pressure without suffering any irreversible damage.

▪ Simple handling

Thanks to its sturdy construction, the filter is much easier to install: it will forgive any minor carelessness.

▪ Exceptionally water-repellent

The filter is extremely hydrophobic (water-repellent) and moisture-resistant up to 100% relative humidity. Water droplets simply roll off the material's surface; there is no significant increase in the pressure drop.

▪ VDI guideline 6022 met in full

Highly resistant to chemicals, microbiologically inactive: Viledon® NanoPleat meets all the relevant criteria for hygienic design unrestrictedly. This makes it ideal for use in sensitive applications, e.g. in the food and beverage industries (particularly in moist environments entailed by the production operation concerned), in pharmaceutical and chemical facilities, as well as in operating theaters and intensive-care units.

▪ Ultra-reliable operation

Optimum filtering performance even under turbulent flow conditions: there is practically no risk from fiber fragments or dust breakthrough onto the clean-air side.

▪ Cost savings

Consistently high arrestance with efficient, energy-economical operating characteristics and long useful lifetimes: Viledon® NanoPleat cuts your operating costs.

▪ Eco-friendliness

The entire filter element is free of metals, halogens and glass fibers, which means it is fully incinerable, leaving almost no residues behind. So it is eco-friendly and easy to dispose of.

See for yourself the performance capabilities of the new Viledon® NanoPleat filters, with their innovative hybrid-synthetic nanofiber technology (HSN). We will, of course, be pleased to provide you further detailed technical information on our filters.

Verify our claims and test our filters: join with us in planning a trial run with NanoPleat at your facility. Simply give us a call and agree an appointment with our sales consultant.

Telephone: +49(0)6201 80 - 6264



* Installed in the 2nd filter stage with Class F 5 prefiltration

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