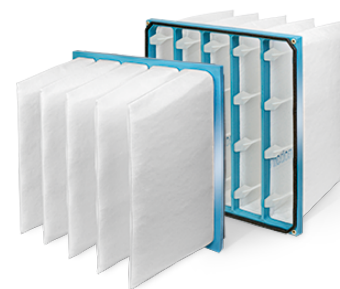


# HYDROMAXX COALESCER PREFILTER

viledon®

## OPTIMUM PROTECTION AGAINST WATER AND SALT INGRESS



### APPLICATION

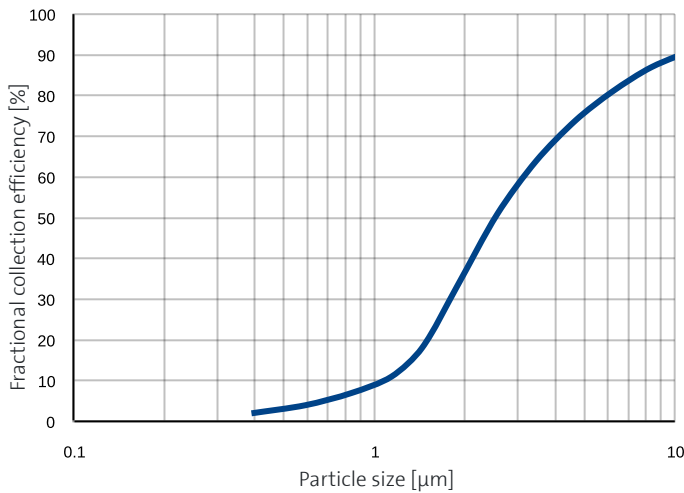
Intake air prefiltration for:

- gas turbines
- compressors
- diesel and gas engines

KEY DATA	HYDROMAXX 0558x0558x0345 W4
Article number	53537798
Dimensions (W x H x D) [mm]	558 x 558 x 345
Number of pockets	5
Filter class acc. to EN 779:2012	G4
Filter class acc. to ISO 29461-1	ISO T5
Class to ISO 16890	ISO ePM10 50%
Particulate matter efficiency ISO ePM1 [%]	4
Particulate matter efficiency ISO ePM2,5 [%]	17
Particulate matter efficiency ISO ePM10 [%]	51
Water retention capacity acc. to ISO 29461-2 [%]	>99
Initial gravimetric arrestance [%]	73
Nominal volume flow [m³/h]	4,250
Face velocity [m/s]	3.8
Initial pressure drop [Pa]	65
Recommended final pressure drop [Pa]	375
Dust holding capacity (AC Fine / 200 Pa) [g]	1,100
Dust holding capacity (AC Fine / 375 Pa) [g]	1,500
Filter area [m²]	1.8
Thermal stability [°C]	70
Moisture resistance (rel. hum.) [%]	100

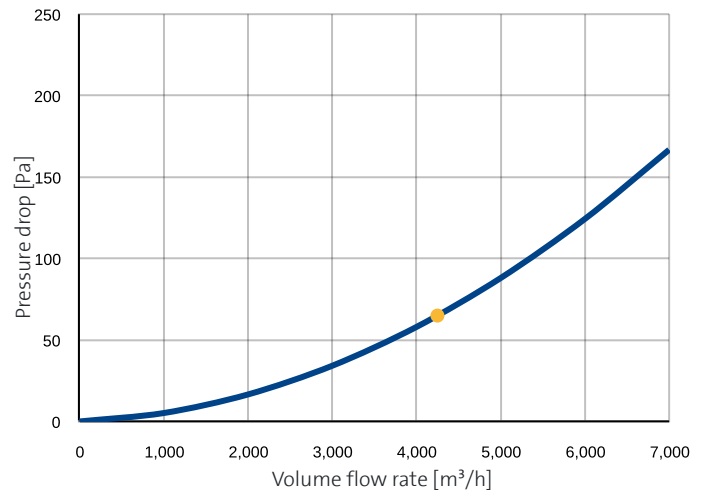
### Fractional collection efficiency curve

■ HYDROMAXX 0558x0558x0345 W4



### Initial pressure drop curve

■ HYDROMAXX 0558x0558x0345 W4  
 ● Nominal volume flow [m³/h]: 4,250



### MEDIA AND CHARACTERISTICS

- Progressively structured hydrophobic, high-performance nonwoven made inhouse from non-breaking synthetic-organic fibers.
- Reverse pocket filter in dimensionally stable construction.
- Leakproof-welded configuration of the filter pockets, foam-sealed into a PUR front frame.
- Self-supporting, integrated plastic support cage system for optimum stability, easy and timesaving mounting or change of the filter element.
- Pre-installed couplings at the four corners for combination with other pre- or final filters.
- Free of glass fibers, non-corroding and microbiologically inactive.
- Self-extinguishing filter media and frame according to DIN 53438 (Fire class F 1).



Fully integrated supporting ribs avoid collapsing of pockets

### FEATURES

- The reverse media's hydrophobic, progressive nonwoven composition functions as a reliable coalescer for water particles.
- Water droplets agglomerate and drain down from the vertical pockets. Thus salt and hydrocarbon ingress will be substantially reduced.
- No water break-through of sub-micron moisture droplets into the downstream filter stages. Optimal protection against corrosion by water or salt ingress.
- Ideally suited for applications with constant water spray or fogging.
- > 99% water retention capacity according to ISO 29461-2 test standard (76,5 l water load over 3 h)
- Enhanced downstream filter lifetime.
- High operational reliability and cost-efficiency.
- Various 2-in-1 filtration system solutions based on the Viledon "clip-on" system: Close coupling to either the intermediate or the final filter without any structural modifications.



Close coupling of hydroMaxx on the main filter allows fast and safe installation

IT'S ALL IN THE DETAILS

[www.freudenberg-filter.com/details](http://www.freudenberg-filter.com/details)

The information or figures given are subject to tolerances due to normal production fluctuations. Our explicit written confirmation is required in each case for the correctness of the information. Subject to technical alterations. You will find instructions on how to handle and dispose of loaded filters in our information on product safety and eco-compatibility.

INNOVATING TOGETHER

Contact us

[www.freudenberg-filter.com](http://www.freudenberg-filter.com)