

HYDRO4 COALESCER PREFILTER

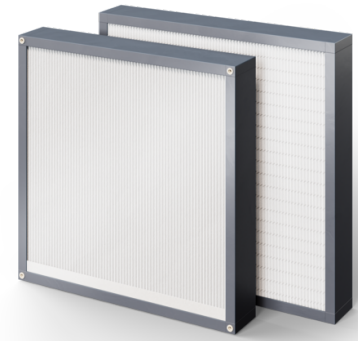
viledon®

EXTEND THE USEFUL LIFETIME OF THE DOWNSTREAM HIGH-PERFORMANCE FILTERS

APPLICATION

Intake air filtration for:

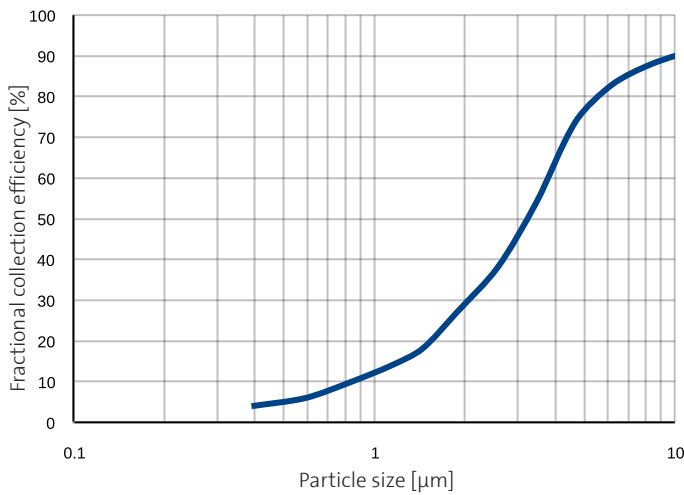
- gas turbines coastal and off-shore
- compressors coastal and off-shore
- diesel and gas engines coastal and off-shore



KEY DATA	hydro4-RW-0592x0592x096-Z00N-932-AAG	hydro4-RWC-0554x0554x096-W50D-932-AAG (Clip-on-version)
Article number	53626454	53626455
Dimensions (W x H x D) [mm]	592 x 592 x 96	554 x 554 x 96
Filter class acc. to EN 779:2012	G4	
Water retention capacity acc. to ISO 29461-2 [%]	>95	
Nominal volume flow [m³/h]	4,250	
Face velocity [m/s]	3.2	3.8
Initial pressure drop [Pa]	90	100
Recommended final pressure drop [Pa]	375	
Dust holding capacity (AC Fine / 375 Pa) [g]	750	600
Filter area [m²]	7.5	6.4
Weight [kg]	3.8	3.5
Thermal stability [°C]	up to 70	
Moisture resistance (rel. hum.) [%]	up to 100	
Frame	rigid plastic	

Fractional collection efficiency curve

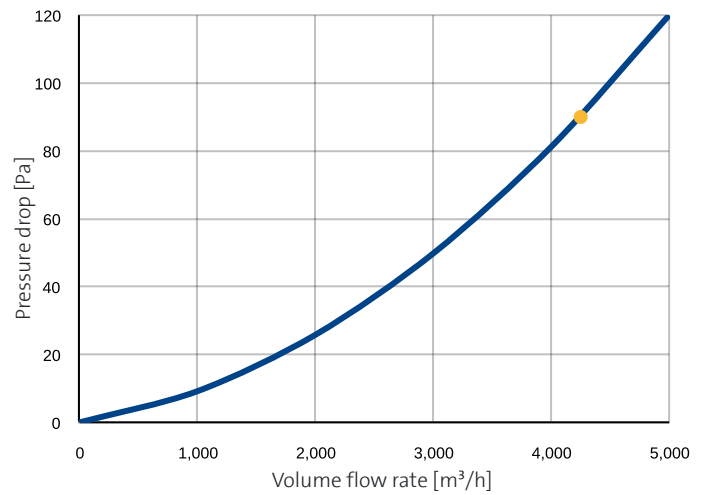
- hydro4-RW-0592x0592x096-Z00N-932-AAG



Initial pressure drop curve

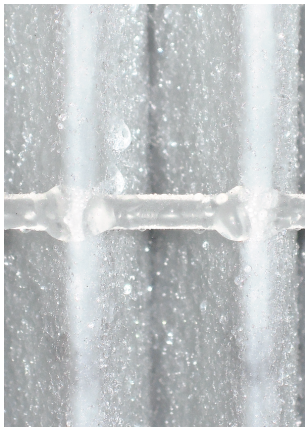
- hydro4-RW-0592x0592x096-Z00N-932-AAG

Nominal volume flow [m³/h]: 4,250



MEDIA AND CHARACTERISTICS

- Progressively structured filter media made from break-resistant synthetic-organic fibers.
- Pleated filter medium stabilized by horizontal hot-melt threads on both sides.
- Fully-potted, leak-free construction in sturdy plastic frame.
- A water barrier at the bottom of the filters back side reduces intaken water from reaching the clean-air side.
- Non-corroding and fully incinerable, as without metal parts.



Outstanding coalescing properties

FEATURES

- Thanks to coalescing properties and water barrier ideally suited for applications where filters are exposed to constant water spray or fogging.
- Protection of the downstream high-performance filter stage against water droplets, extends thus their useful lifetime.
- The Freudenberg "clip-on system" allows close coupling of the hydro4 554x554x96 variant to either the intermediate or the final filter without any structural modifications.



hydro4 clip-on version with connecting caps

IT'S ALL IN THE DETAILS

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