T 60 HYDRO COALESCER FILTERS

viledon®

HIGH WATER RETENTION CAPACITY AND OUTSTANDING FILTRATION PERFORMANCE



APPLICATIONS

Intake air filtration of:

- Gas turbines coastal and off-shore
- Compressors coastal and off-shore
- Diesel and gas engines coastal and off-shore
- systems in harsh and wet environments

KEY DATA	T 60 hydro 1/1 8L-WPS
Article number	53648871
Dimensions (W x H x D) [in]	24 x 24 x 26
Number of pockets	8
Filter class acc. to ISO 29461-1	ISO T5
Class to ISO 16890	ISO ePM10 65%
Nominal volume flow [m³ / h]	4,250
Face velocity [m/s]	3.2
Initial pressure drop [Pa]	95
Initial pressure drop [in w.g.]	0.38
Recommended final pressure drop [in w.g.]	1.8
Water retention capacity acc. to ISO 29461-2 [%]	>99
Bursting strength acc. to ISO 29461-3 [Pa]	25
Dust holding capacity (AC Fine / 625 Pa) [g]	3,000
Filter area [ft²]	56
Filter medium	100% synthetic
Frame	PUR
Weight [lbs]	6.8
Other features	no intentionally added PFAS
Thermal stability [°F]	160
Moisture resistance (rel. hum.) [%]	100
Filter area [m²]	5.2
Nominal Volume Flow Rate [cfm]	2,520

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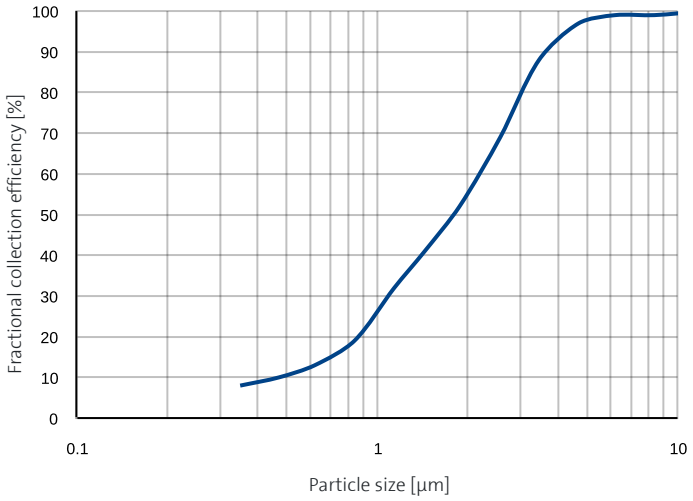
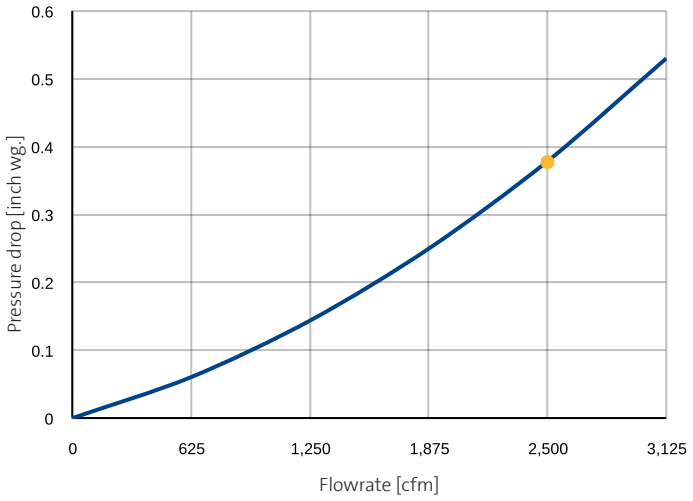
Fractional collection efficiency curve

- T 60 hydro 1/1 8L-WPS



Initial pressure drop curve

- T 60 hydro 1/1 8L-WPS
- Nominal design point



MEDIA & CHARACTERISTICS

- Unique two-layer media:
  - Compact T 60 filter media as a base with all its benefits.
  - Thin hydrophobic non-woven on the clean gas side, which prevents water breakthrough.
- The combination of both filter media eliminates the need for a hydrophobisation or impregnation.
- Bevelled bottom edges of the pockets ensure, that separated water can drain to the front.
- The Water Protection Shields (WPS) collect the entrained water and redirect it to the raw gas side. The material is PVC-free and made of a durable and flexible material.
- Leakproof-welded configuration of the filter pockets, foam-sealed into a PUR front frame, with aerodynamically optimized welded-in spacers.
- No intentionally added PFAS in all filter components.
- Self-extinguishing filter media and frame according to DIN 53438 (Fire class F 1).

FEATURES

- Proven performance and efficiency of the Compact T 60 with high dust load capacity.
- High functional dependability and extremely robust under high moisture exposure.
- Protects downstream components against corrosion by water or salt ingress.
- Slow increase of the pressure drop with high water load.
- Excellent job even under extreme weather conditions with long useful lifetime.

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DETAILS THAT MAKE A DIFFERENCE 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

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