

# COALESCER PREFILTER HYDROPACK

viledon®

EXTEND THE USEFUL LIFETIME OF THE  
DOWNSTREAM HIGH-PERFORMANCE FILTERS



## APPLICATION

Intake air filtration for

- gas turbines and compressors in power generation and in the oil and gas industry
- diesel and gas engines

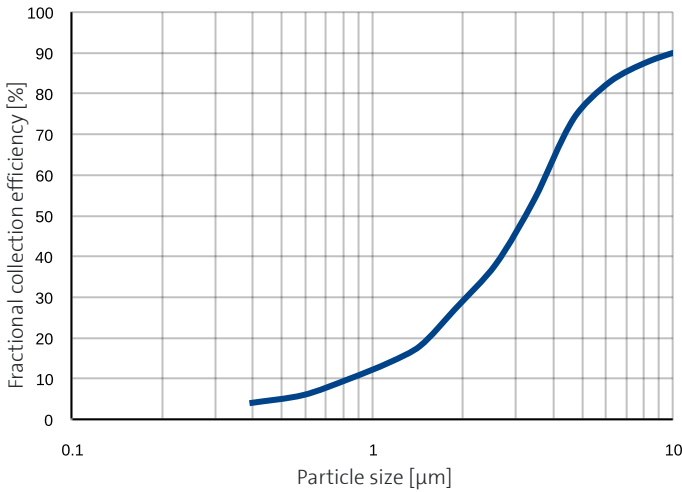
## KEY DATA

## MP 45 KTC-W-0595x0595x096-Z00N-hydroPack

Article number	53534826
Dimensions (W x H x D) [mm]	595 x 595 x 96
Filter class acc. to EN 779:2012	G4
Filter class acc. to ISO 29461-1	ISO T3
Class to ISO 16890	ISO coarse 65%
Particulate matter efficiency ISO ePM10 [%]	45
Initial gravimetric arrestance [%]	68
Nominal volume flow [m³/h]	4,250
Face velocity [m/s]	3.3
Initial pressure drop [Pa]	70
Recommended final pressure drop [Pa]	375
Dust holding capacity (AC Fine / 375 Pa) [g]	450
Filter area [m²]	2.2
Thermal stability [°C]	up to 70
Moisture resistance (rel. hum.) [%]	up to 100
Average arrestance [%]	> 90
Frame	Plastic

**Fractional collection efficiency curve**

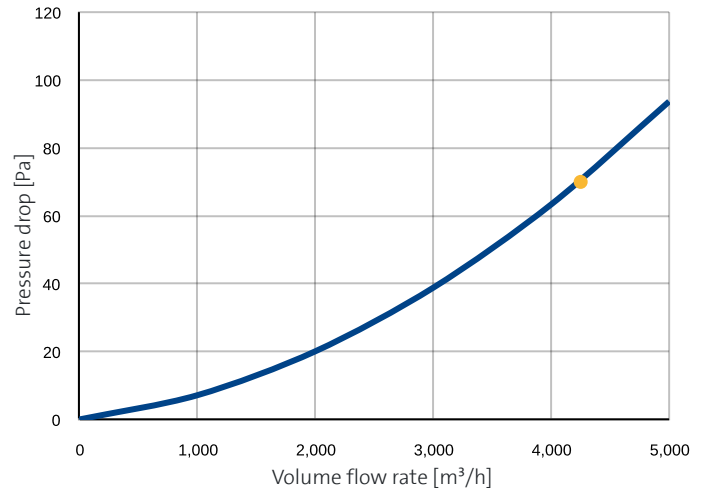
■ MP 45 KTC-W-0595x0595x096-Z00N-hydroPack



**Initial pressure drop curve**

■ MP 45 KTC-W-0595x0595x096-Z00N-hydroPack

● 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 downstream side reduces intaken water from reaching the clean-air side.
- non-corroding and fully incinerable, as without metal parts.
- self-extinguishing filter media according to DIN 53438 (Fire class F 1).
- suitable for standard mounting frame.
- standard version without gasket. Optionally available with a glued on gasket, either gasket on the downstream side (same side as water barrier) or gasket on the upstream side (opposite side of the water barrier).

**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 filter stage against water droplets.



Water barrier and gasket on the downstream side



Optimum coalescing properties

**DETAILS THAT MATTER** [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.

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

