

# T 60 COMPACT POCKET FILTERS



EXTREMELY RESILIENT UNDER ALL CONDITIONS

FILTER TYPE	FILTER CLASS TO ISO 16890	FILTER CLASS TO EN 779:2012	ENERGY EFFICIENCY CLASS*
T 60	ISO ePM10 60%	M 6	A



## The application

T 60 Compact pocket filters are used for supply, exhaust and recirculated-air filtration in ventilation systems posing stringent requirements for durability and cost-efficiency, particularly

- in supply air filtration for gas turbines and turbo-compressors on- and off-shore
- in supply and exhaust air filtration for paint shops
- in sophisticated air-conditioning systems (hospitals, laboratories, libraries, museums, airports, etc.)
- as downstream “policing filters” in dust removal systems

## The characteristics and benefits

- The featured filter media are **high-performance nonwovens**, produced in-house from tear resistant synthetic-organic fibers. The material is then progressively structured to achieve optimum filtration performance and dust holding capacity. This ensures

superlative durability, dust-holding capacity, low pressure drop, a long working lifetimes and high cost-efficiency.

- They achieve energy efficiency class A, thus **decreasing energy costs and CO<sub>2</sub> emissions**.
- T 60 Compact pocket filters are **free of glass fibers, non-corroding, micro-biologically inactive**, and meet all the criteria laid down in VDI Guideline 6022 “Hygiene requirements for HVAC systems and units”.
- **High functional dependability** thanks to the leakproof-welded configuration of the filter pockets, foam-sealed into a PUR front frame, with aerodynamically optimized welded-in spacers and dimensionally stable construction of the filter element as a whole.
- The filters’ consistently high quality is assured by our state-of-the-art ISO 9001-compliant **quality management system**, and by type-testing to EN 779 and ISO 16890.

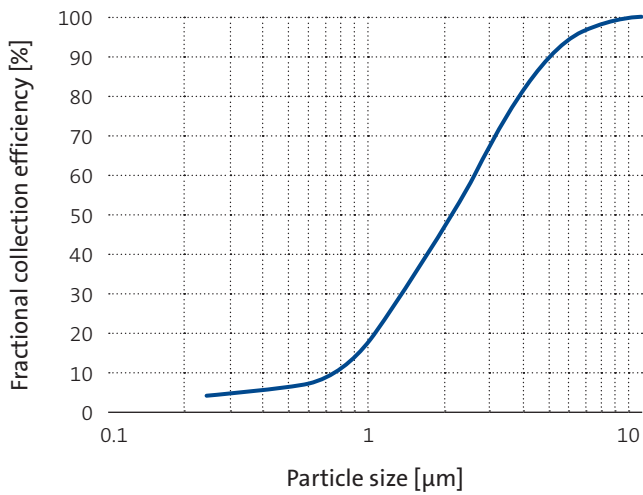
## The special features

- As “thrift performers”, T 60 pocket filters offer vital preconditions for optimum efficiency and availability of turbomachinery: very low pressure drops, high dust holding capacity, and long useful lifetimes, coupled with exceptional sturdiness even when subjected to pump surges. They can be relied on to arrest aggressive, abrasive particles, thus minimizing both fouling and erosion of the blades.
- These filters do an excellent job even under extreme weather conditions and in offshore intake air systems, not least when subjected to increased flow volumes.

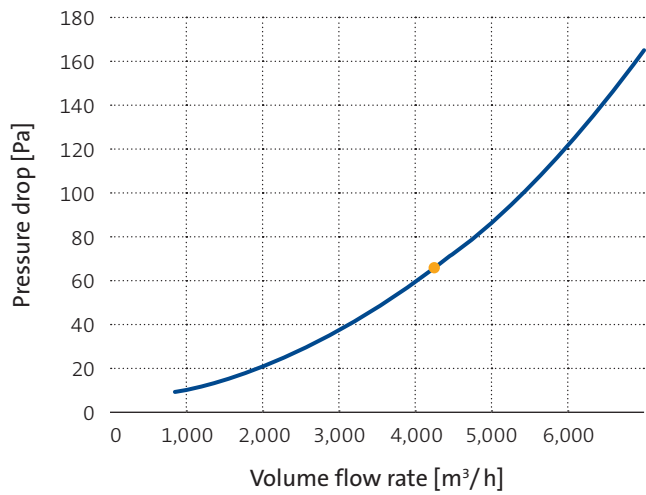
GEOMETRIES AVAILABLE		1/1	5/6	1/2	1/4
Nominal volume flow rate	m <sup>3</sup> /h	4,250	2,175	1,600	975
Overall depth	mm	592 × 592	492 × 592	289 × 592	289 × 289
Front frame	mm	650	650	650	650
Number of pockets		8	4	3	4
Filtering area	m <sup>2</sup>	6.2	3.2	2.4	1.5
Weight, approx.	kg	3.1	1.6	1.2	0.7
Thermal stability	°C	70	70	70	70
Moisture-resistance (rel. hum.)	%	100	100	100	100
Suitable for standard mounting frame	mm	610 × 610	508 × 610	305 × 610	305 × 305

# TECHNICAL FILTER TEST DATA TO EN 779 AND ISO 16890

Fractional collection efficiency curve



Initial pressure drop curve



— 1/1      ● Nominal volume flow rate

KEY DATA		T 60
Nominal volume flow rate ●	m³/h	4,250
Face velocity	m/s	3.2
Initial pressure drop	Pa	65
Class to ISO 16890		ISO ePM10 60%
<b>Particulate matter efficiency</b>		
ISO ePM1	%	8
ISO ePM2,5		18
ISO ePM10		61
Cut-off particle size	µm	9
Filter class to EN 779:2012		M 6
Recom. final pressure drop**	Pa	450
Bursting strength	Pa	> 3,000
Dust holding capacity approx. AC Fine / 800 Pa	g	5,000

\* As part of the EUROVENT Certification, rated at 3,400 m³/h

\*\* For cost-efficiency or system-specific reasons it may be appropriate to change the filters before reaching the final pressure drop stated. It can also be exceeded in certain applications.

The figures given are mean values subject to tolerances due to normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case. Subject to technical alterations.