

Cost-effective and energy-efficient in continuous operation

T 60 Compact pocket filters



Filter Type	Filter Class	Nominal Volume Flow Rate [m³/h]	Test Standard	Energy Classification
T 60	F6	4,250	EN 779	EE 1



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

Their characteristics and benefits

- The filter media featured are **high-performance nonwovens, produced in-house** from non-breaking, synthetic-organic fibers.

In order to achieve an optimum of filtering performance and dust holding capacity, the media are progressively structured. This ensures **superlative durability, high ar-resistance, low pressure drop, long useful lifetimes, and high cost-efficiency.**

- They achieve Energy-Efficiency Class EE1, thus **cutting energy costs** and downsizing CO₂ emissions.
- T 60 Compact pocket filters are **free of glass fibers, non-corroding, microbiologically inactive**, and **meet all the criteria laid down in VDI Guideline 6022** "Hygiene Requirements for HVAC Systems".
- 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 cost-efficient T 60 pocket filters are indestructible in continuous operation and achieve **superlative performance based on high clean-air quality.**
- 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.

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.

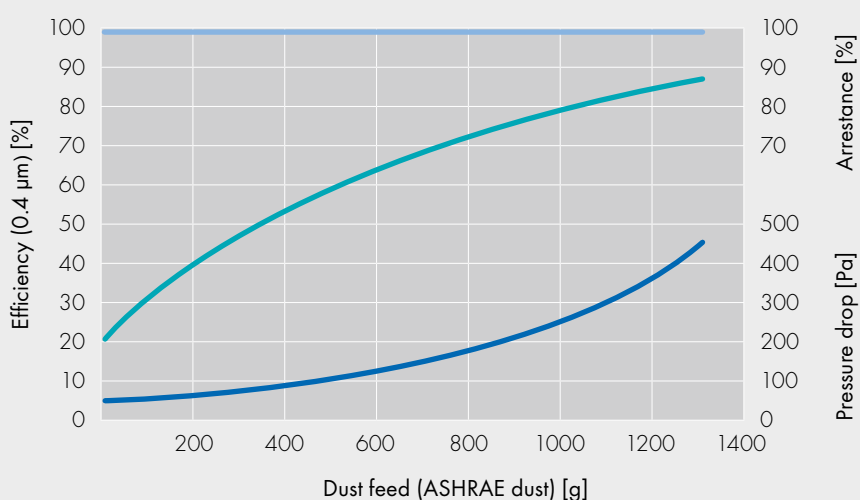
Geometries available		1/1	5/6	1/2	1/4
Effective filtering area	m ²	6.2	3.2	2.4	1.5
Weight approx.	kg	3.1	1.6	1.2	0.7
Front frame	mm	592/592	492/592	289/592	289/289
Overall depth	mm	650	650	650	650
Number of pockets		8	4	3	4
Suitable for standard mounting frame	mm	610/610	508/610	305/610	305/305
Thermal stability	°C	70	70	70	70
Moisture-resistance / rel. humidity	%	100	100	100	100

Technical filter test data to EN 779

Arrestance, efficiency and pressure drop plotted against dust feed at nominal volume flow rate

Efficiency — Arrestance —
Pressure drop —

T 60

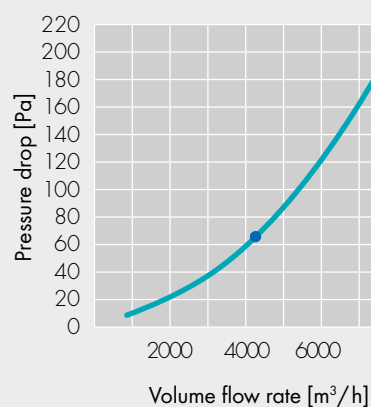


Initial pressure drop curve

Nominal volume flow rate ●

1/1 —

T 60



Key data			T 60
Filter class			F6
Average arrestance (AC Fine/ASHRAE dust)	A_m	%	98/99
Average efficiency	E_m	%	63
Face velocity		m/s	3.2
Nominal volume flow rate ●		m³/h	4,250
Initial pressure drop		Pa	65
Final pressure drop*		Pa	450
Dust holding capacity approx. (AC Fine/800 Pa)		g	5,000
Bursting pressure		Pa	> 3,000

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.

*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.

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