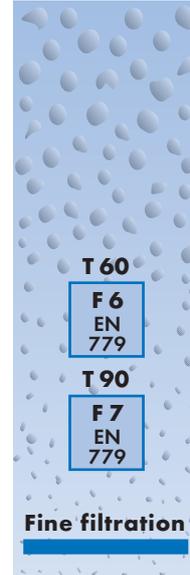
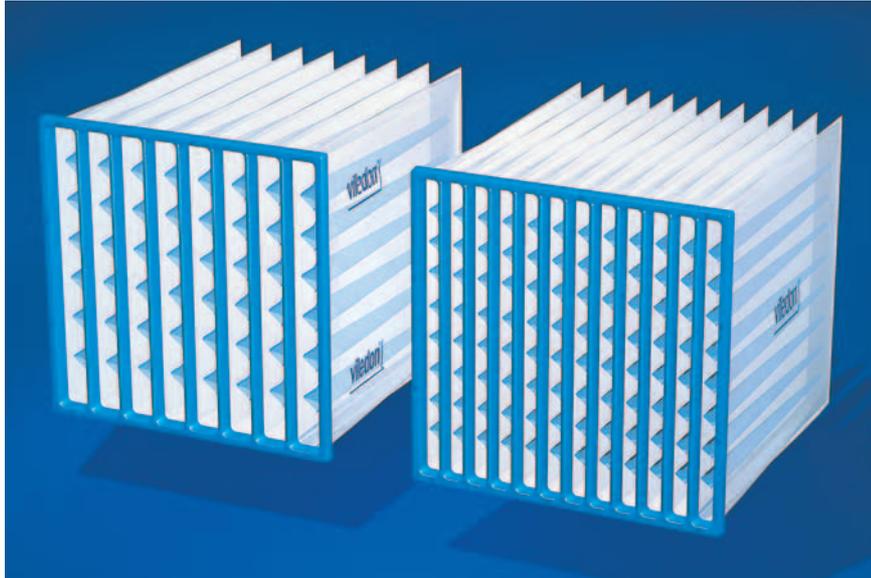


Thrift performers for optimum efficiency: Compact Pocket Filters T 60 and T 90 Filter Classes F 6 – F 7



viledon®

The application

T 60 and T 90 are used for supply, exhaust and circulating air filtration in ventilation systems posing stringent requirements for durability and cost-efficiency, particularly

- ▶ in supply air filtration for gas turbines and turbocompressors on land and offshore
- ▶ in supply and exhaust air filtration for paint shops
- ▶ for solving critical filtration problems
- ▶ as downstream „policing filters“ in dust removal systems

The special features and benefits

- ▶ As filter media we use **synthetic-organic high performance nonwovens manufactured in-house**.
- ▶ The media are **progressively structured**, i.e. fiber layers arranged in line with the density increasing towards the clean air side, thus ensuring an optimum combination of filtration performance and dust holding capacity. The medium of the T 90 has a triple-layered progressive structure, with a high-arrestance microfiber layer being surrounded by a prefilter layer and a support layer. The result: **superlative durability, high arrestance, low pressure drop, long useful life, high cost-efficiency**.
- ▶ All Compact pocket filters are **glassfiber-free, non-corroding, moisture-resistant** up to 100% rel. humidity, **self-extinguishing** to DIN 53438 (Fire Class F1) as well as **microbiologically inactive** and **meet all hygiene requirements for HVAC systems to EN 13779**.
- ▶ The **uniformly high quality** of the filters is assured by our **certified quality management system** to ISO 9001 as well as by **type-testing** to EN 779.
- ▶ **Maximized functional reliability** thanks to the leak-proof welded configuration of the filter pockets, foamed into the polyurethane front frame, aerodynamically optimized welded-in spacers, and dimensionally stable construction of the filter element as a whole.

T 60		1/1	5/6	1/2	1/4
▶ Weight, approx.	kg	3.0	1.5	1.1	0.6
▶ Front frame	mm	592/592	492/592	289/592	289/289
▶ 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/ temporary peaks	°C	70 80	70 80	70 80	70 80

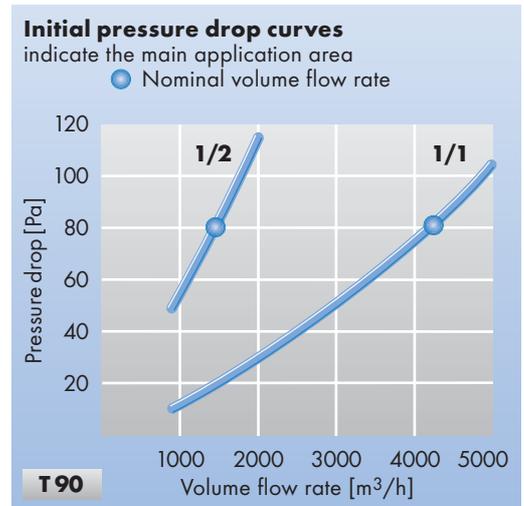
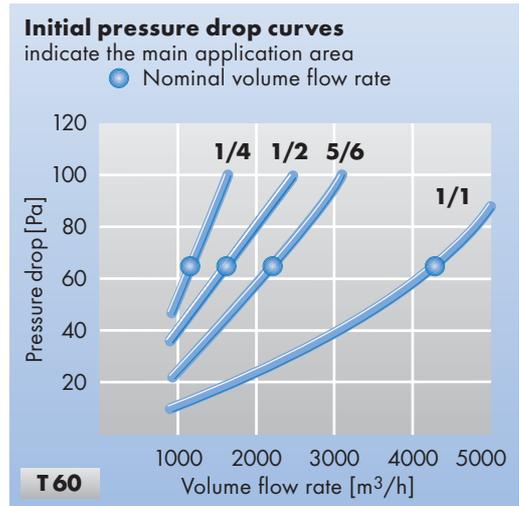
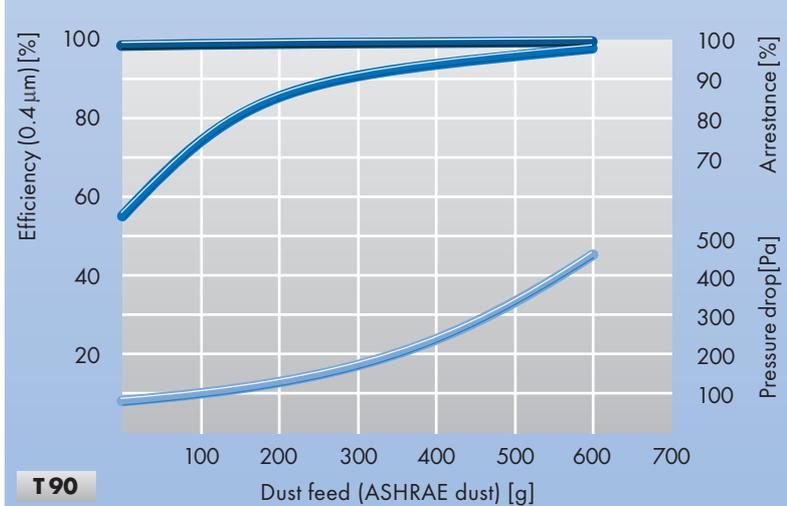
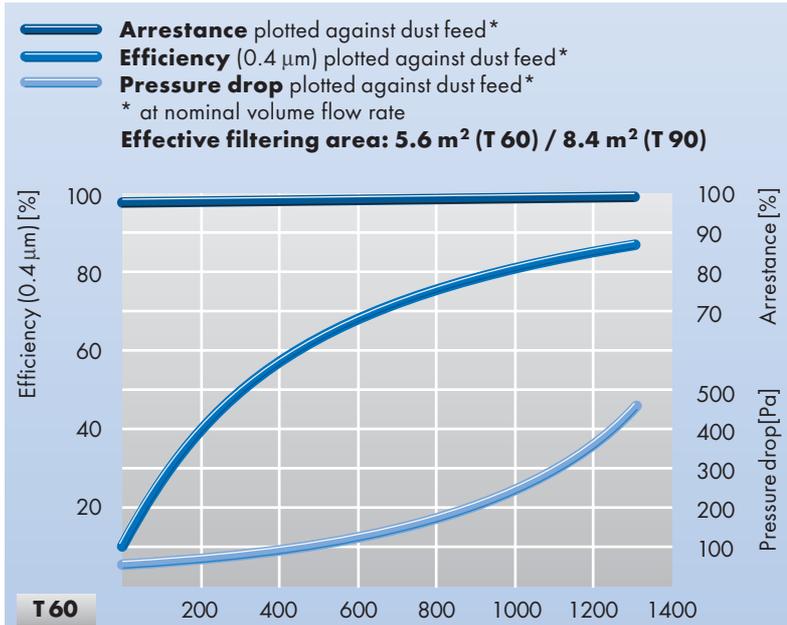
T 90		1/1	1/2
▶ Weight, approx.	kg	3.3	1.1
▶ Front frame	mm	592/592	289/592
▶ Depth	mm	650	650
▶ Number of pockets		12	4
▶ Suitable for standard mounting frame	mm	610/610	305/610
▶ Thermal stability/ temporary peaks	°C	70 80	70 80

The extras

- ▶ T 60 and T 90 can be relied upon to arrest aggressive, abrasive particles, they minimize blade fouling and erosion, and thus improve the efficiency and availability of turbomachinery.
- ▶ T 60 gives excellent results even under extremely adverse weather conditions, and in high-speed supply air systems for offshore installations.

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Technical filter test data to EN 779



Key data			T 60	T 90
▶ Average arrestance (ASHRAE dust)	A _a	%	99	> 99
▶ Average efficiency	E _a	%	63	85
▶ Face velocity		m/s	3.2	3.2
▶ Nominal volume flow rate		m ³ /h	4250	4250
▶ Initial pressure drop		Pa	65	80
▶ Arrestance (AC Fine)		%	98	> 99
▶ Final pressure drop*		Pa	450	450
▶ Dust holding capacity, approx. (AC Fine/800 Pa)		g	5000	3500
▶ Bursting strength		Pa	> 3000	> 3000

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

You will find instructions on how to handle and dispose of loaded filters in our information on product safety and eco-compatibility.

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

Subject to technical alterations.

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