

COMPACT POCKET FILTER T95



FILTRATION AT ITS FINEST
FOR HIGH CLEAN-AIR QUALITY

FILTER TYPE	FILTER CLASS TO ISO 16890	FILTER CLASS TO EN 779:2012
T95	ISO ePM1 75%	F8



The application

T95 Compact pocket filters featuring innovative media technology are used for supply, exhaust and recirculated-air filtration in ventilation systems posing special safety requirements for air-resistance capability, such as

- in sophisticated air-conditioning systems (hospitals, laboratories, libraries, museums, airports, etc.)
- in industrial processes (chemicals, pharmaceuticals, foods and beverages, optics, electronics, paint shops, etc.)
- as prefilters for HEPA filters
- as downstream “policing filters” in dust removal systems

The characteristics and benefits

The Compact T95 series is highly robust and offers maximum performance. This gives them not only a high resilience but also low pressure drops and excellent efficiency. The optimized

high-performance filter medium made from tear resistant synthetic-organic fibers is responsible for the unique inherent stiffness of the pockets. The filter’s high dust-holding capacity and moisture resistance result in a long service life and impressive economic efficiency.

- T95 pocket filters can be relied upon for **continuously excellent mechanical filtration performance** under all duty conditions.
- **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.
- T95 Compact pocket filters are free of glass fibers, non-corroding and thus defy the most adverse conditions.

- 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.

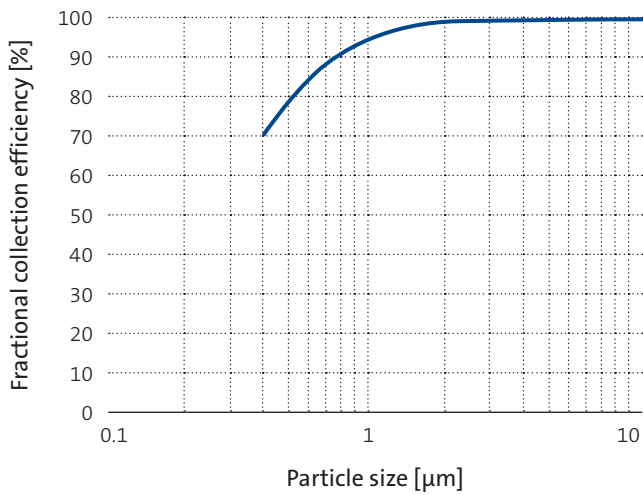
The special features

T95 Compact pocket filters meet the most stringent of requirements in fine-filtration jobs, and ensure very high clean-air quality, thus making a crucial contribution to cost-efficient operation of sensitive systems and processes.

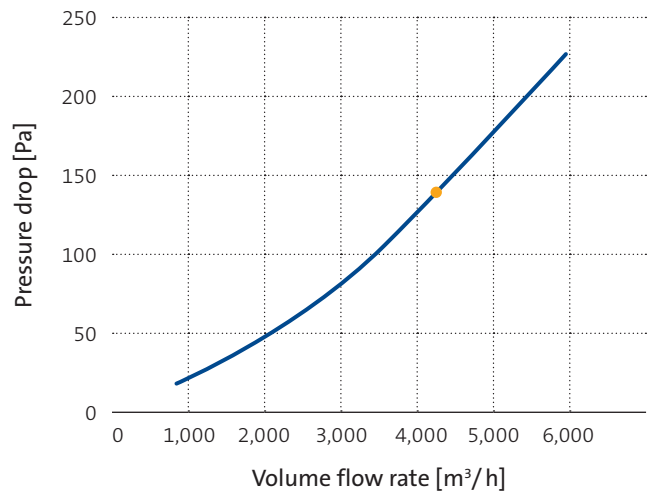
GEOMETRIES AVAILABLE		T95 1/1 12L	T95 5/6 6L	T95 1/2 4L	T95 1/4 4L
Nominal volume flow rate	m ³ /h	4,250	2,200	1,450	675
Front frame	mm	592 x 592	492 x 592	289 x 592	289 x 289
Overall depth	mm	650			
Number of pockets		12	6	4	4
Filtering area	m ²	9	4.7	3.1	1.5
Weight, approx.	kg	3.2	1.8	1.3	0.6
Thermal stability	°C	70			
Moisture-resistance (rel. hum.)	%	100			
Suitable for standard mounting frame	mm	610 x 610	610 x 610	305 x 610	305 x 305

TECHNICAL FILTER TEST DATA TO EN 779 AND ISO 16890

Fractional collection efficiency curve



Initial pressure drop curve



— T95 1/1 12L ● Nominal volume flow rate

KEY DATA		T95 1/1 12L
Nominal volume flow rate	●	m³/h 4,250
Face velocity		m/s 3.2
Initial pressure drop		Pa 140
Class to ISO 16890		ISO ePM1 75%
Particulate matter efficiency		
ISO ePM1		79
ISO ePM2,5	%	85
ISO ePM10		95
Cut-off particle size	µm	4
Filter class to EN 779:2012		F8
Recom. final pressure drop*	Pa	450
Bursting strength	Pa	> 6,000
Dust holding capacity approx. AC Fine / 800 Pa	g	2,000

* 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.