

COMPACT POCKET FILTER T 95

viledon®

FILTRATION AT ITS FINEST FOR HIGH CLEAN-AIR QUALITY

APPLICATION

- for supply, exhaust and recirculated-air filtration in ventilation systems posing special safety requirements for arrestance capability, such as:
 - in intake air filtration of gas turbines and compressors
- 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 filters in dust removal systems

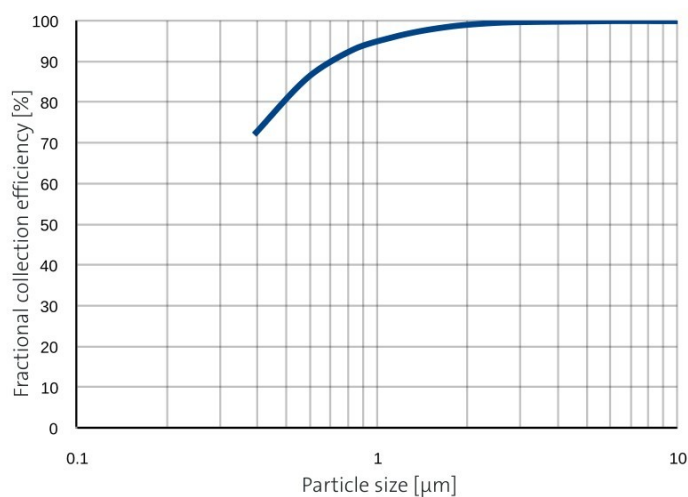


KEY DATA	T 95 1/1 12L	T 95 5/6 6L	T 95 1/2 4L	T 95 1/4 4L
Article number	53444168	53444167	53444166	53444165
Dimensions (W x H x D) [mm]	592 x 592 x 650	492 x 592 x 650	289 x 592 x 650	289 x 289 x 650
Number of pockets	12	6	4	4
Filter class acc. to EN 779:2012	F8			
Filter class acc. to ISO 29461-1	ISO T8			
Class to ISO 16890	ISO ePM1 75%			
Particulate matter efficiency ISO ePM1 [%]	79			
Particulate matter efficiency ISO ePM2,5 [%]	85			
Particulate matter efficiency ISO ePM10 [%]	95			
Nominal volume flow [m³/h]	4,250	2,200	1,450	850
Face velocity [m/s]	3.2	2.3	2.2	2.5
Initial pressure drop [Pa]	140			
Recommended final pressure drop [Pa]	450			
Bursting strength acc. to ISO 29461-3 [Pa]	>6000			

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Dust holding capacity (AC Fine / 300 Pa) [g]	1,000	550	350	150
Dust holding capacity (AC Fine / 800 Pa) [g]	2,000	1,050	650	250
Filter area [m ²]	9.0	4.7	3.1	1.5
Weight [kg]	3.2	1.8	1.3	0.6
Thermal stability [°C]	70			
Moisture resistance (rel. hum.) [%]	100			
Filter medium	Polyolefine			
Frame	PUR			

Fractional collection efficiency curve

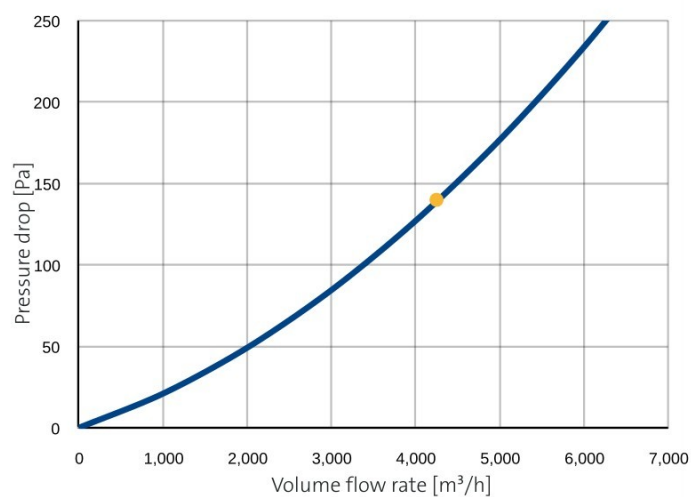
■ T 95 1/1 12L



Initial pressure drop curve

■ T 95 1/1 12L

● Nominal air flow [m³/h] : 4,250



MEDIA AND CONSTRUCTION CHARACTERISTICS

- unique inherent stiffness of the pockets due to high-performance filter medium from tear-resistant synthetic organic fibers.
- free of glass fibers, non-corroding and microbiologically inactive.
- meets all the criteria laid down in VDI Guideline 6022 "Hygiene Requirements for HVAC systems and units".
- functional reliability due to leak-proof welded configuration of the filter pockets, foamed-in polyurethane front frame.
- aerodynamically optimized welded-in spacers (long-pocket filters only).
- dimensionally stable construction of the filter element as a whole.
- 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 and ISO 16890.



FEATURES AND PLUSES

- continuously excellent mechanical filtration performance.
- highly robust and maximum performance gives high resilience and low pressure differences and excellent efficiency.
- high dust-holding capacity and moisture resistance results in a long service life and economic efficiency, ideally for the food and beverage industry.
- meet the most stringent of requirements in fine-filtration jobs, and ensure very high clean-air quality.
- frame and filter medium are self-extinguishing to DIN 53438 (Fire class F 1).

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 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.

INNOVATING TOGETHER

Contact us

www.freudenberg-filter.com