

COMPACT POCKET FILTER T 60

viledon®

HIGH-PERFORMING, ECONOMICAL AND ENERGY-EFFICIENT

APPLICATION

- Supply, exhaust and recirculated-air filtration in ventilation systems posing stringent requirements for durability and cost-efficiency.
- Intake air filtration of gas turbines and compressors on- and off-shore.
- Sophisticated air-conditioning systems (hospitals, laboratories, libraries, museums, airports, etc.).
- Downstream safety filters in dust removal systems.



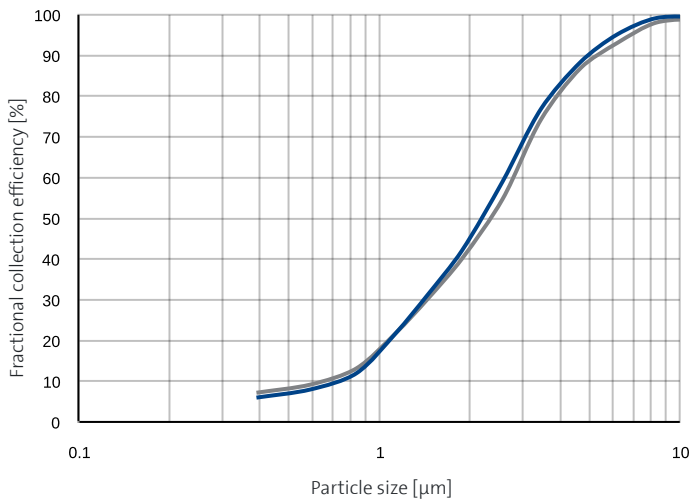
KEY DATA	T 60 1/1 8L	T 60 OG	T 60 1/1 8M	T 60 1/2 3L
Article number	8473449	53430681	53355007	8474250
Dimensions (W x H x D) [mm]	592 x 592 x 650	618 x 578 x 610	592 x 592 x 510	289 x 592 x 650
Number of pockets	8	8	8	3
Filter class acc. to EN 779:2012	M6	M6	M6	M6
Filter class acc. to ISO 29461-1	ISO T5	ISO T5	ISO T5	ISO T5
Class to ISO 16890	ISO ePM10 60%	ISO ePM10 60%	ISO ePM10 60%	ISO ePM10 60%
Particulate matter efficiency ISO ePM1 [%]	8	8	8	8
Particulate matter efficiency ISO ePM2,5 [%]	18	18	18	18
Particulate matter efficiency ISO ePM10 [%]	61	61	61	61
Nominal volume flow [m³/h]	4,250	3,925	3,400	1,600
Face velocity [m/s]	3.2	3.1	2.5	2.6
Initial pressure drop [Pa]	65	70	55	65
Recommended final pressure drop [Pa]	450	450	450	450
Bursting strength acc. to ISO 29461-3 [Pa]	>6000	>6000		
Dust holding capacity (AC Fine / 300 Pa) [g]	2,800	2,550	2,200	1,100

KEY DATA	T 60 1/1 8L	T 60 OG	T 60 1/1 8M	T 60 1/2 3L
Dust holding capacity (AC Fine / 800 Pa) [g]	4,200	3,900	3,300	1,700
Filter area [m²]	6.0	5.5	4.7	2.4
Filter medium	PES	PES	PES	PES
Frame	PUR	PUR	PUR	PUR
Weight [kg]	3.1	3.0	2.5	1.2
Thermal stability [°C]	70	70	70	70
Moisture resistance (rel. hum.) [%]	100	100	100	100

KEY DATA	T 60 1/2H 8L	T 60 1/4 4L	T 60 5/6 4L
Article number	53471177	8474350	8474150
Dimensions (W x H x D) [mm]	592 x 289 x 650	289 x 289 x 650	492 x 592 x 650
Number of pockets	8	4	4
Filter class acc. to EN 779:2012	M6	M6	M6
Filter class acc. to ISO 29461-1	ISO T5	ISO T5	ISO T5
Class to ISO 16890	ISO ePM10 60%	ISO ePM10 60%	ISO ePM10 60%
Particulate matter efficiency ISO ePM1 [%]	8	8	8
Particulate matter efficiency ISO ePM2,5 [%]	18	18	18
Particulate matter efficiency ISO ePM10 [%]	61	61	61
Nominal volume flow [m³/h]	2,100	975	2,175
Face velocity [m/s]	3.4	2.9	2.0
Initial pressure drop [Pa]	65	65	65
Recommended final pressure drop [Pa]	450	450	450
Dust holding capacity (AC Fine / 300 Pa) [g]	1,400	700	1,500
Dust holding capacity (AC Fine / 800 Pa) [g]	2,100	1,050	2,250
Filter area [m²]	3.0	1.5	3.2
Filter medium	PES	PES	PES
Frame	PUR	PUR	PUR
Weight [kg]	1.5	0.7	1.6
Thermal stability [°C]	70	70	70
Moisture resistance (rel. hum.) [%]	100	100	100

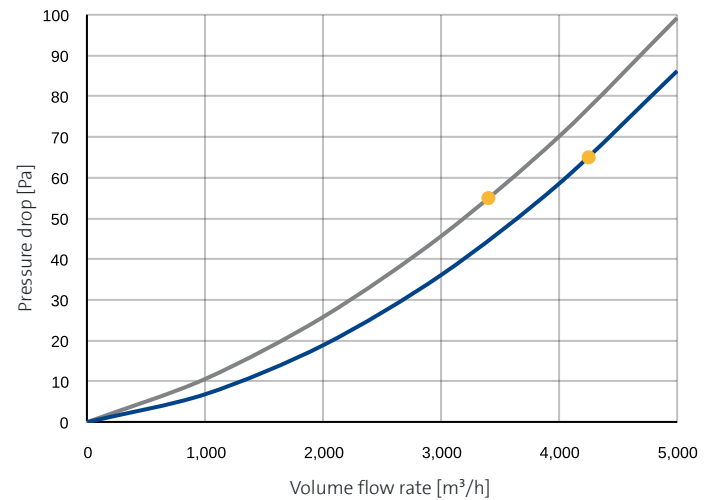
Fractional collection efficiency curve

- T 60 1/1 8L
- T 60 1/1 8M



Initial pressure drop curve

- T 60 1/1 8L
- T 60 1/1 8M
- Nominal design point



MEDIA AND CONSTRUCTION CHARACTERISTICS

- progressively structured filter media made from tear resistant synthetic-organic fibers.
- dimensionally stable construction. Leakproof-welded configuration of the filter pockets, foam-sealed into a PUR front frame, with aerodynamically optimized welded-in spacers.
- non-corroding and microbiologically inactive, VDI 6022 directive compliant.
- self-extinguishing filter media and frame according to DIN 53438 (Fire class F 1).



FEATURES AND PLUSES

- high functional dependability and high durability.
- high dust-holding capacity with low pressure drops.
- energy efficient: reduced energy costs and less CO₂ emissions.
- long useful lifetime, thus very economical even when subjected to pump surges or aggressive, abrasive particles.
- excellent job even under extreme weather conditions.

DETAILS THAT MAKE YOU SMILE

www.freudenberg-filter.com/details

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

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