# 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.

EUROVENT CERTIFIED PERFORMANCE AIR FILTERS www.eurovent-certification.com

energy efficiency performance

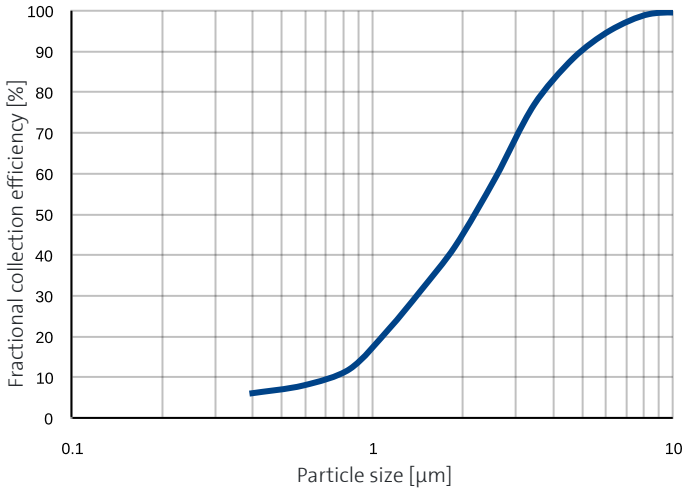
| KEY DATA | T 60 1/1 8L | T 60 OG | T 60 1/1 8M | T 60 5/6 4L |
|---|---|---|---|---|
| Article number | 8473449 | 53430681 | 53355007 | 8474150 |
| Dimensions (W x H x D) [mm] | 592 x 592 x 650 | 618 x 578 x 610 | 592 x 592 x 510 | 492 x 592 x 650 |
| Number of pockets | 8 | 8 | 8 | 4 |
| Filter class acc. to EN 779:2012 | M6 | | | |
| Filter class acc. to ISO 29461-1 | ISO T5 | | | |
| Class to ISO 16890 | ISO ePM10 60% | | | |
| Particulate matter efficiency ISO ePM1 [%] | 8 | | | |
| Particulate matter efficiency ISO ePM2,5 [%] | 18 | | | |
| Particulate matter efficiency ISO ePM10 [%] | 61 | | | |
| Nominal volume flow [m³/h] | 4,250 | 3,925 | 3,400 | 2,175 |
| Face velocity [m/s] | 3.2 | 3.1 | 2.5 | 2.0 |
| Initial pressure drop [Pa] | 65 | 70 | 55 | 65 |
| Recommended final pressure drop [Pa] | 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 | 1,500 |
| Dust holding capacity (AC Fine / 800 Pa) [g] | 4,200 | 3,900 | 3,300 | 2,250 |

| KEY DATA | T 60 1/1 8L | T 60 OG | T 60 1/1 8M | T 60 5/6 4L |
|---|---|---|---|---|
| Filter area [m²] | 6.0 | 5.5 | 4.7 | 3.2 |
| Weight [kg] | 3.1 | 3.0 | 2.5 | 1.6 |
| Thermal stability [°C] | 70 | | | |
| Moisture resistance (rel. hum.) [%] | 100 | | | |
| dimensions-w | mm | | | |
| Filter medium | PES | | | |
| Frame | PUR | | | |

| KEY DATA | T 60 1/2 3L | T 60 1/2H 8L | T 60 1/4 4L |
|---|---|---|---|
| Article number | 8474250 | 53471177 | 8474350 |
| Dimensions (W x H x D) [mm] | 289 x 592 x 650 | 592 x 289 x 650 | 289 x 289 x 650 |
| Number of pockets | 3 | 8 | 4 |
| Filter class acc. to EN 779:2012 | M6 | | |
| Filter class acc. to ISO 29461-1 | ISO T5 | | |
| Class to ISO 16890 | ISO ePM10 60% | | |
| Particulate matter efficiency ISO ePM1 [%] | 8 | | |
| Particulate matter efficiency ISO ePM2,5 [%] | 18 | | |
| Particulate matter efficiency ISO ePM10 [%] | 61 | | |
| Nominal volume flow [m³/h] | 1,600 | 2,100 | 975 |
| Face velocity [m/s] | 2.6 | 3.4 | 2.9 |
| Initial pressure drop [Pa] | 65 | | |
| Recommended final pressure drop [Pa] | 450 | | |
| Dust holding capacity (AC Fine / 300 Pa) [g] | 1,100 | 1,400 | 700 |
| Dust holding capacity (AC Fine / 800 Pa) [g] | 1,700 | 2,100 | 1,050 |
| Filter area [m²] | 2.4 | 3.0 | 1.5 |
| Weight [kg] | 1.2 | 1.5 | 0.7 |
| Thermal stability [°C] | 70 | | |
| Moisture resistance (rel. hum.) [%] | 100 | | |
| Filter medium | PES | | |
| Frame | PUR | | |

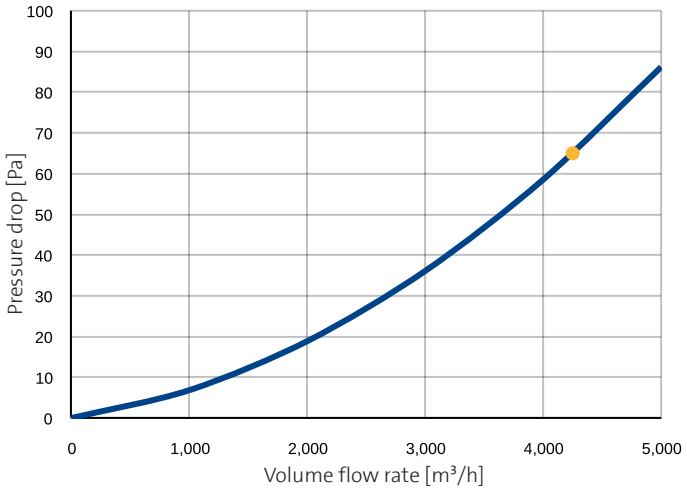
### Fractional collection efficiency curve

- T 60 1/1 8L




### Initial pressure drop curve

- T 60 1/1 8L
- Nominal air flow [m³/h] : 4,250
- T 60 1/1 8M




## 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).

Food safe

## FEATURES AND PLUSES

- high functional dependability and high durability.
- high dust-holding capacity with low pressure drops.
- energy efficient: reduced energy costs and less $CO_2$ emissions.
- long useful lifetime, thus very economical even when subjected to pump surges or aggressive, abrasive particles.
- excellent job even under extreme weather conditions.

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.





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