

POCKET FILTER COMPACT T60

viledon®

DURABLE FOR DEMANDING REQUIREMENTS

APPLICATIONS

- 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.

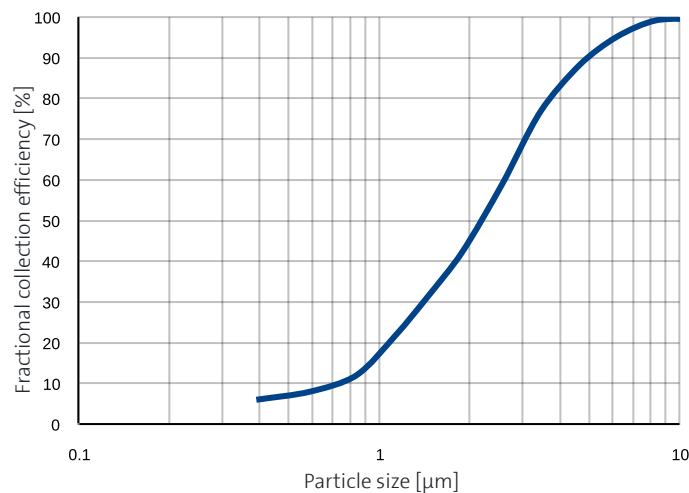


| KEY DATA | ISO T5 | ISO T5 | ISO T5 | ISO T5 |
|---|----------------------|--------|--------|--------|
| Class to ISO 16890 | ISO ePM10 60% | | | |
| Nominal volume flow [m³ / h] | 4,250 | 3,400 | 1,600 | 2,100 |
| Face velocity [m/s] | 3.2 | 2.5 | 2.6 | 3.4 |
| Initial pressure drop [Pa] | 65 | 55 | 65 | 65 |
| Weight [kg] | 3.1 | 2.5 | 1.2 | 1.5 |
| Average efficiency [%] | 63 | | | |
| Average arrestance [%] | 99 | | | |
| Frame | PUR | | | |
| Filter area [m²] | 6.0 | 4.7 | 2.4 | 3.0 |
| Recommended final pressure drop [Pa] | 450 | | | |
| Dust holding capacity (AC Fine / 300 Pa) [g] | 2,800 | 2,200 | 1,100 | 1,400 |
| Dust holding capacity (AC Fine / 800 Pa) [g] | 4,200 | 3,300 | 1,700 | 2,100 |
| Energy efficiency class | A | B | A | A |
| Energy consumption [kWh/a] | 568 | 682 | 568 | 568 |
| Moisture resistance (rel. hum.) [%] | 100 | | | |
| Bursting strength acc. to ISO 29461-3 [Pa] | >6000 | | | |

| KEY DATA | ISO T5 | ISO T5 | ISO T5 |
|---|----------------------|--------|--------|
| Class to ISO 16890 | ISO ePM10 60% | | |
| Nominal volume flow [m³ / h] | 975 | 2,175 | 3,925 |
| Face velocity [m/s] | 2.9 | 2.0 | 3.1 |
| Initial pressure drop [Pa] | 65 | 65 | 70 |
| Weight [kg] | 0.7 | 1.6 | 3.0 |
| Average efficiency [%] | | 63 | |
| Average arrestance [%] | | 99 | |
| Frame | | PUR | |
| Filter area [m²] | 1.5 | 3.2 | 5.5 |
| Recommended final pressure drop [Pa] | | 450 | |
| Dust holding capacity (AC Fine / 300 Pa) [g] | 700 | 1,500 | 2,550 |
| Dust holding capacity (AC Fine / 800 Pa) [g] | 1,050 | 2,250 | 3,900 |
| Energy efficiency class | A | A | |
| Energy consumption [kWh/a] | 568 | 568 | |
| Moisture resistance (rel. hum.) [%] | | 100 | |
| Bursting strength acc. to ISO 29461-3 [Pa] | | | >6000 |

Fractional collection efficiency curve

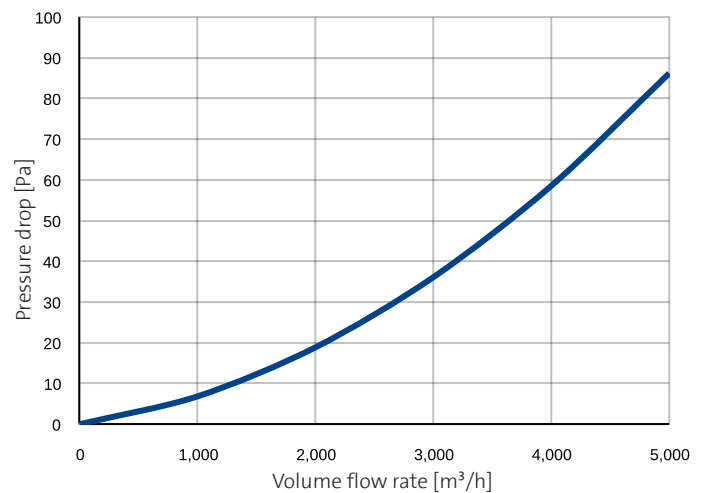
■ T 60 1/1 8L



Initial pressure drop curve

■ T 60 1/1 8L

■ T 60 1/1 8M



MEDIA AND 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

- 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

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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www.freudenberg-filter.com