

T 60 COMPACT POCKET FILTERS



EXTREMELY RESILIENT UNDER ALL CONDITIONS

| FILTER TYPE | FILTER CLASS TO ISO 16890 | FILTER CLASS TO EN 779:2012 |
|-------------|---------------------------|-----------------------------|
| T 60 | ISO ePM10 60% | M 6 |



The application

T 60 Compact pocket filters are used for supply, exhaust and recirculated-air filtration in ventilation systems posing stringent requirements for durability and cost-efficiency, particularly

- in intake air filtration of gas turbines and compressors on- and off-shore
- in supply and exhaust air filtration for paint shops
- in sophisticated air-conditioning systems (hospitals, laboratories, libraries, museums, airports, etc.)
- as downstream “policing filters” in dust removal systems

The characteristics and benefits

- The featured filter media are **high-performance nonwovens**, produced **in-house** from tear resistant synthetic-organic fibers. The material is then progressively structured to achieve optimum filtration performance and dust holding capacity. This ensures

superlative durability, dust-holding capacity, low pressure drop, a long working lifetimes and high cost-efficiency.

- They achieve good energy efficiencies, thus **cutting energy costs and downsizing CO₂ emissions**.
- T 60 Compact pocket filters are **free of glass fibers, non-corroding, micro-biologically inactive**, and meet all the criteria laid down in VDI Guideline 6022 “Hygiene requirements for HVAC systems and units”.
- **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.
- 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

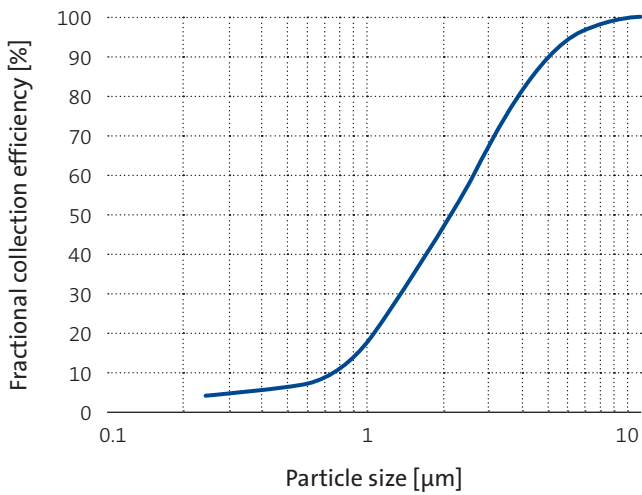
- As “thrift performers”, T 60 pocket filters offer vital preconditions for **optimum efficiency and availability of turbomachinery**: very low pressure drops, high dust holding capacity, and long useful lifetimes, coupled with exceptional sturdiness even when subjected to pump surges. They can be relied on to arrest aggressive, abrasive particles, thus minimizing both fouling and erosion of the blades.
- These filters do an excellent job even under extreme weather conditions and in offshore intake air systems, not least when subjected to increased flow volumes.



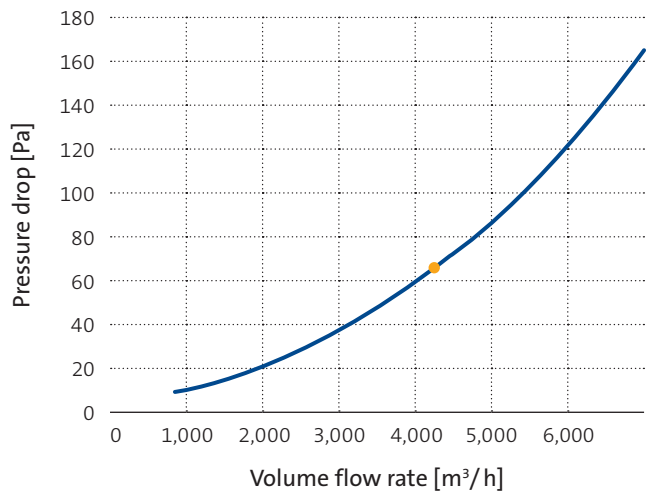
| GEOMETRIES AVAILABLE | | T 60 1/1 8L | T 60 5/6 4L | T 60 1/2 3L | T 60 1/4 4L |
|--------------------------------------|-------------------|-------------|-------------|-------------|-------------|
| Nominal volume flow rate | m ³ /h | 4,250 | 2,175 | 1,600 | 975 |
| Front frame | mm | 592 × 592 | 492 × 592 | 289 × 592 | 289 × 289 |
| Overall depth | mm | 650 | | | |
| Number of pockets | | 8 | 4 | 3 | 4 |
| Filtering area | m ² | 6.0 | 3.2 | 2.4 | 1.5 |
| Weight, approx. | kg | 3.1 | 1.6 | 1.2 | 0.7 |
| Thermal stability | °C | 70 | | | |
| Moisture-resistance (rel. hum.) | % | 100 | | | |
| Suitable for standard mounting frame | mm | 610 × 610 | 508 × 610 | 305 × 610 | 305 × 305 |

TECHNICAL FILTER TEST DATA TO EN 779 AND ISO 16890

Fractional collection efficiency curve



Initial pressure drop curve



— T 60 1/1 8L ● Nominal volume flow rate

| KEY DATA | | T 60 1/1 8L |
|--|----|-------------------------|
| Nominal volume flow rate | ● | m ³ /h 4,250 |
| Face velocity | | m/s 3.2 |
| Initial pressure drop | | Pa 65 |
| Class to ISO 16890 | | ISO ePM10 60% |
| Particulate matter efficiency | | |
| ISO ePM1 | | % 8 |
| ISO ePM2,5 | | 18 |
| ISO ePM10 | | 61 |
| Cut-off particle size | µm | 9 |
| Filter class to EN 779:2012 | | M 6 |
| Recom. final pressure drop* | Pa | 450 |
| Bursting strength | Pa | > 3,000 |
| Dust holding capacity approx. AC Fine / 800 Pa | g | 4,200 |

* 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.