

COST-EFFECTIVE AND ENERGY-EFFICIENT IN CONTINUOUS OPERATION



T 60 POCKET FILTERS

| FILTER TYPE | MERV CLASS | NOMINAL VOLUME FLOW RATE [cfm] | TEST STANDARD |
|-------------|------------|--------------------------------|---------------|
| T 60 | 9 | 2,520 | ASHRAE 52.2 |



The application

T60 Compact pocket filter is used for supply, exhaust and recirculated-air filtration in ventilation systems with demanding requirements for durability and cost-efficiency, particularly

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

Characteristics and benefits

- The filter media is made of **high-performance nonwovens, produced in-house** from non-breaking, synthetic-organic fibers. This ensures **superlative durability, high arrestance, low pressure drop, long useful lifetimes, and high cost-efficiency.**

- T60 filters are highly energy-efficiency thereby reducing energy costs and CO₂ emissions.
- T60 Compact pocket filters are **free of glass fibers, non-corroding, microbiologically inactive.**
- **High functional dependability** thanks to the leakproof-welded configuration of the filter pockets, foam-sealed into a PUR front.
- The cost-efficient T60 pocket filters are indestructible and perform consistently in continuous operation.

The special features

- T60 pocket filters offer important preconditions **for optimum efficiency and availability of turbomachinery:** very low pressure drops, high dust holding capacity, and long useful lifetimes, in addition to exceptional sturdiness even when subjected to pump surges. They can be relied on to stop

aggressive, abrasive particles, thus minimizing both fouling and erosion of the blades.

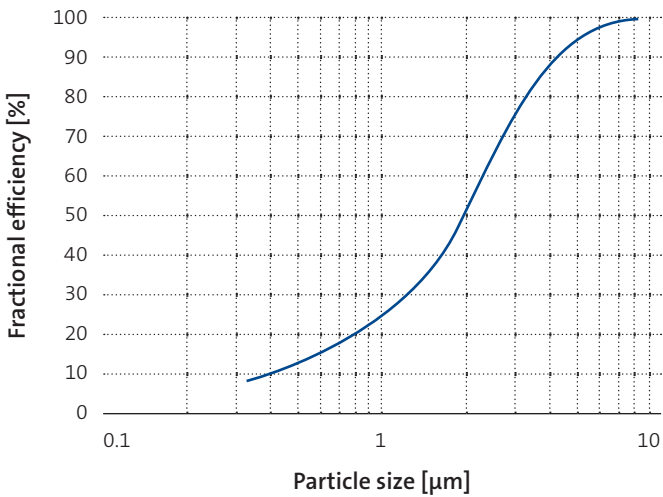
- These filters do an excellent job even under extreme weather conditions and in offshore intake air systems.



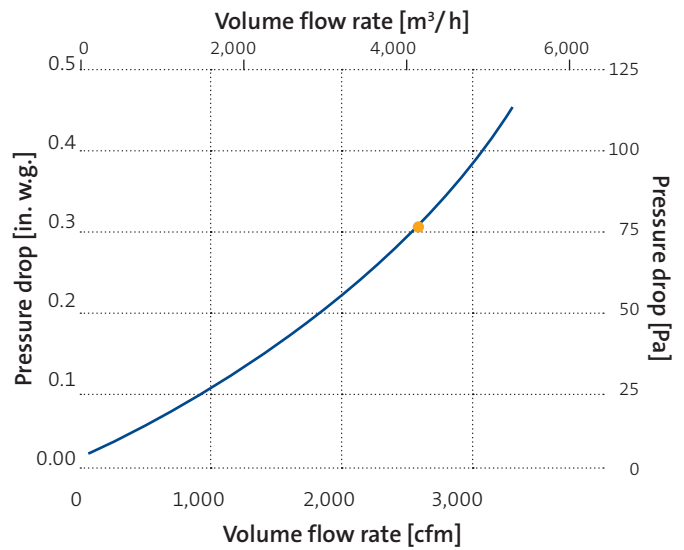
| GEOMETRIES AVAILABLE | | 1/1 | 5/6 | 1/2 | S 1 / 1 |
|--------------------------------------|-----------------|---|---|---|---|
| Front frame | in | 23 ³ / ₈ x 23 ³ / ₈ | 19 ³ / ₈ x 23 ³ / ₈ | 11 ³ / ₈ x 23 ³ / ₈ | 23 ³ / ₈ x 23 ³ / ₈ |
| Overall depth | in | 26 | 26 | 26 | 20 |
| Number of pockets | | 8 | 4 | 3 | 8 |
| Effective filtering area | ft ² | 65 | 32.5 | 24.4 | 50 |
| Weight approx. | lb | 7.3 | 3.6 | 2.8 | 5.6 |
| Thermal stability | °F | 160 | 160 | 160 | 160 |
| Suitable for standard mounting frame | in | 24 x 24 | 20 x 24 | 12 x 24 | 24 x 24 |

TECHNICAL FILTER TEST DATA TO ASHRAE 52.2

Initial fractional collection efficiency plotted against particle size (ASHRAE 52.2)



Initial pressure drop curves



— T 60

● Nominal volume flow rate

| KEY DATA | | T 60 |
|-----------------------------------|----------|--------|
| Filter class | | MERV 9 |
| Nominal volume flow rate ● | cfm | 2,520 |
| Initial pressure drop @ 1,968 cfm | in. w.g. | 0.20 |
| Initial pressure drop @ 2,520 cfm | in. w.g. | 0.31 |
| Final pressure drop* | in. w.g. | 1.50 |
| Bursting strength | in. w.g. | > 25 |

* 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.

Test report 16-1459

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. 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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