HISTORY

FILTERS® was founded in 1989 and has since achieved excellence in the field of specialized and custom made filters for industrial purposes.

Today Filters® combines outstanding know-how in filtration and separation technologies with in depth experience in engineering, providing equipment, technology and services for the Oil & Gas, Power Generation and Chemical industries, and excels in all fields where filtration and separation require high technical competence and product quality.

Filters® develops, designs, builds and integrates advanced technologies into its products.

Filters
Challenge made easy

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MULTIPASS TEST BENCH

Performance measurements of a filter media

EXECUTABLE TESTS

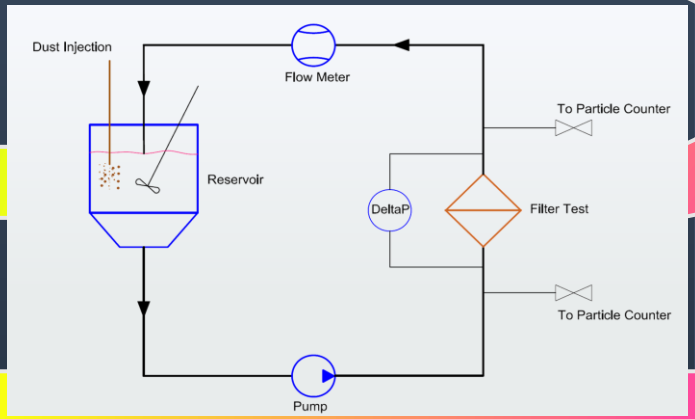
At the Filters® research center, thanks to the **Multipass** test bench, tests can be carried out in accordance with:

- **ISO 19438:2003**
  Diesel fuel and petrol filters for internal combustion engines — Filtration efficiency using particle counting and contaminant retention capacity
- **ISO 16889:2018**
  Hydraulic fluid power — Filters — Multipass method for evaluating filtration performance of a filter element
- **ISO 4548-12:2017**
  Methods of test for full-flow lubricating oil filters for internal combustion engines — Part 12: Filtration efficiency using particle counting and contaminant retention capacity
- **ISO 3968:2017**
  Hydraulic fluid power — Filters — Evaluation of differential pressure versus flow

EVALUABLE FEATURES

The following variables can be evaluated according to the previously mentioned tests:

- Determination of FILTRATION PERFORMANCE **of a cartridge element (beta values);**
- Determination of FILTRATION PERFORMANCE **of a flat sheet filter media (beta values);**
- Determination of particle RETENTION ABILITY **and DUST HOLDING CAPACITY of a filter element;**
- Determination of DIFFERENTIAL PRESSURE **of a filter element both cartridge and flat sheet;**



APPLICATION EXAMPLES

Some practical applications of the bench:

- VERIFICATION of the **quality of the raw materials** used;
- VERIFICATION and CERTIFICATION of the **performance of the filters produced**;
- VERIFICATION of the **properties of new filter media**;
- THIRD PART TESTS on **new or existing** filters;