

**Pulsable pre-filter medium
for extended service life of pulse filters**



Characteristics

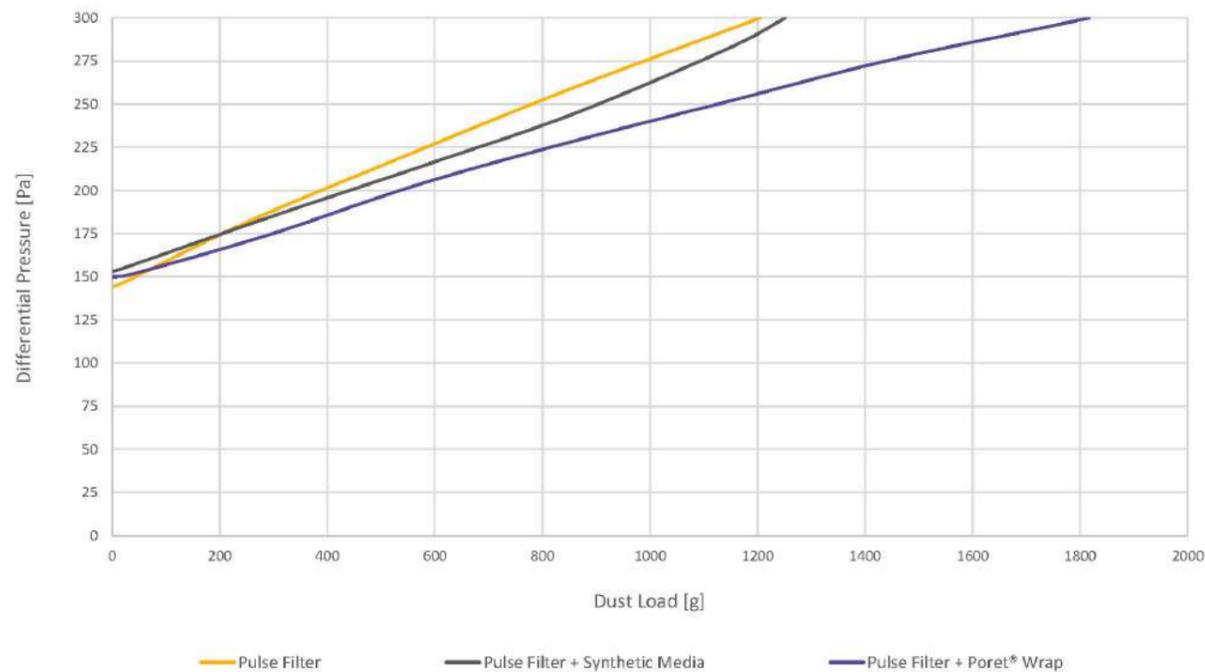
- ✓ Pulsable pre-filter medium for pulse filters
- ✓ Operational even at 100 % relative humidity
- ✓ Washable and reusable
- ✓ Stable filter efficiency even after washing thanks to stable pore structure
- ✓ Available for all pulse filter variants

Advantages

Increased dust holding capacity for an extended service life

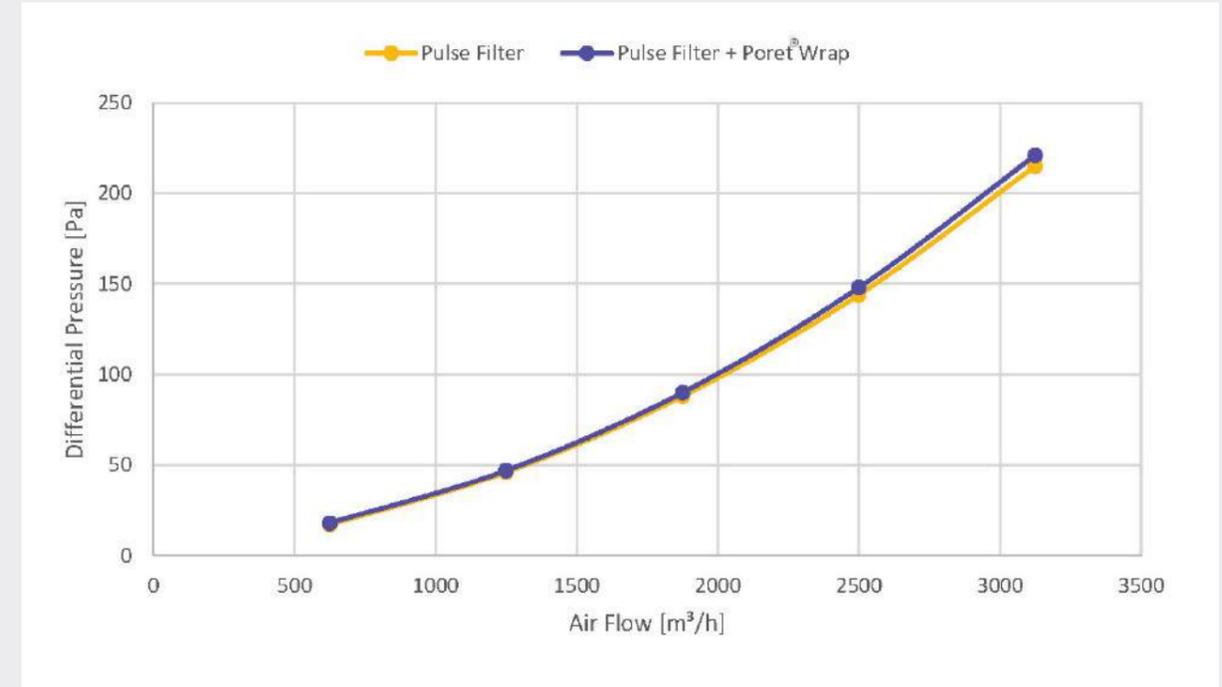
The following diagram compares the dust holding capacity of a pulse filter without pre-filter medium, with a synthetic pre-filter medium as well as with the Poret® Wrap. The dust loading was performed without a pulse effect up to a final pressure difference of 300 Pa.

While the use of a synthetic pre-filter media hardly contributes to a higher dust holding capacity of a pulse filter, the dust holding capacity increased by up to 50 % with the Poret® Wrap at an identical final pressure difference.



More stable pressure difference of a pulse filter

As a pre-filter media, the Poret® Wrap contributes only minimally to a higher initial pressure difference of the pulse filters. Rather, the wrap ensures a more stable pressure difference during operation in order to realise an extended service life of the pulse filters.



Pulsable pre-filter medium

Synthetic pre-filter media are not suitable for pulse application because the fibre structure is quickly blocked by coarse particles, which in turn can hardly be shaken off even by a pulse effect.

In contrast, the Poret® Wrap also excels in the pulse effect as an optimal protective shield for pulse filters.



Poret® Wrap before pulse effect



Poret® Wrap after pulse effect

Washable with constant filter efficiency

Even under high loads, the open-cell pore structure of Poret® remains permanently open. Dust accumulates inside the pore structure, so there is no blocking of the media, as it is the case with synthetic fibres within a very short time.

After use, the Poret® Wrap can be easily washed and reused. Even after washing, the open-cell pore structure of the prefilter wrap remains intact and always exhibits stable filter efficiency and consistent initial pressure drop.



Further information
and installation guide