

OVERVIEW OF THE DIFFERENT MEDIA FOR OTHER APPLICATIONS

1. TURBIDEX

Turbidex is an innovative filter medium that results in a fine filtration up to 5 micrometers. On top, thanks to its unique capabilities, it allows to filter at high velocities, which results in a significant reduction of the size of an installation. We advise to use the medium Turbidex for classic filter applications. Turbidex is less appropriate for the filtration of iron.

- Average service flow: up to 25m/h (dependent on the quality of the water)
- Average backwash flow: 40m/h (important for the size of the pump)

We advise to always perform a test With the « Pallas Turbidex test filter ».

Dimensioning example :

To filter water with a flow of 2,5m³/h, typically a sand filter « Pallas 200 » could be used (bottle 21x60 With valve 1 ½") (catalogue page 65 sand filters). When using Turbidex, not only a finer filtration will be the result, but you can also reduce the size of the installation by using a filter Turbidex « Pallas 100 » (bottle 13x54 With valve 1 ¼") (page 66 sediment hyperfiltration With Turbidex). The pump needed for an effective backwash necessitates similar capacities in both cases.

2. ACTIVATED CARBON

Activated carbon is a medium that removes organic dissolved pollutants such as detergents, soluble colourants, chlorinated solvents, bad tastes and colours. After some time the Activated carbon loses its capabilities, as such the quality of the water is to be tested from time to time. The use of a vessel with manhole can be an interesting option to make the refill of the medium an easier task.

- Average service flow: 10 to 15m/h (dependent on the quality of the water)
- Average backwash flow: 25m/h (important for the size of the pump)

We advise to always perform a test with the « Pallas Activated carbon test filter ».

3. JURAPERLE

Juraperle is a filter medium originating from fossil calcareous material being used for deacidification of poor water. While filtering, free CO₂ is being transformed in bicarbonate and lime is being dissolved, resulting in an increase of pH and hardness. Juraperle has to be rinsed from time to time by means of a backwash. As calcium dissolves in water, Juraperle needs a periodic refill. As such, it can be an interesting option to work with a bottle with manhole. On average, 50% of the Juraperle quantity is to be refilled yearly.

- Average service flow: 10 to 15m/h (dependent on the quality of the water)
- Average backwash flow: 25m/h (important for the size of the pump)

We advise to always perform a test With the « Pallas Juraperle test filter ».