

High Flow AQU-FIL

Specifications

- High particle absorption capacity, resulting in long life and lower replacement cost
- High filtration area up to 7.5 m² per filter cartridge
- Excellent flow rate up to 80 m³/h with 6.3" outer diameter and 60" length per filter cartridge
- PP inner core with high mechanical resistance
- Special design for quick replacement and labor saving
- PP material in accordance with FDA regulations
- Wide chemical compatibility for various uses

Physical Requirements:

- ❖ Media must be supported by Multiple layers to increase mechanical resistance of the Main media against Higher pressure of the fluid.
- ❖ Main Media Must Have 4 inner layers to assure maximum particle hold capacity.
- ❖ Cartridge components must be connected by infrared technology to prevent any unnecessary contact of the pleated media with contaminated materials.
- ❖ Must be Supported by Special Polypropylene mesh

Performance:

Main media has ability to absorb defined particles, with efficiency of 99.95% absorption rate, which is considered as absolute filtration on the aimed particle size. In addition, absorption efficiency on smaller particle sizes still remains as a high rate. In the following table efficiency rate in absorption of particle sizes are shown:

High Flow filter Media 5 Micron

Material	Polypropylene
Micron Size	5 Micron
Working temp.	< 80° C
Filtration Efficiency rate	
Efficiency ≥ 1µm	98 %
Efficiency ≥ 5µm	99.95 %
Efficiency ≥ 10µm	99.99 %

High Flow Filter Media 1 Micron

Material	Polypropylene
Micron Size	1 Micron
Working temp.	< 80° C
Filtration Efficiency rate	
Efficiency ≥ 0.5µm	95 %
Efficiency ≥ 1µm	99.90 %
Efficiency ≥ 5µm	99.95 %

