5
PP

Wound Polypropylene Cartridges



Introduction

Fluytec spun filter cartridges are made with **100% polypropylene thread** and provide a large contact surface for minimum pressure drop, high retention capacity and high filtering efficiency.

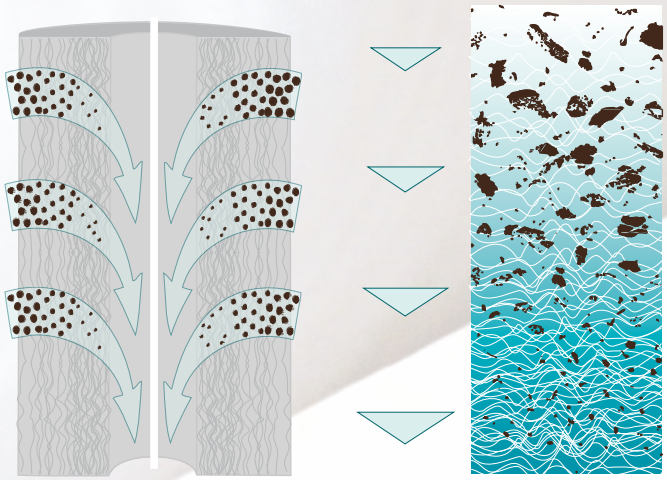
Applications

- Food and drink industry.
- Cosmetics industry.
- Photographic industry.
- Pharmaceutical industry.
- Fishing industry.
- Process water.
- Reverse osmosis pre-treatment.
- Water-based solutions.
- Solar heating industry.
- Petrochemical industry.

Depth filtration

Surface filtration is achieved by a filtering medium (generally very fine) the pores of which are essentially smaller than the size of the particles to be trapped. Thus solid particles are retained by direct interception on the surface of the filtering medium. This filtration is very sensitive to preferential paths and can cause an escape of solids when the filtering medium breaks.

On the other hand, in **Fluytec depth filtration** the filtering medium is thicker and its pores are smaller, equal to or greater than that of the particles to be retained. In this case, as well as direct interception, phenomena of **initial impact** and/or **diffuse interception** occur that allow particles smaller than the pores in the filtering medium to be retained.



Depth filtration with Fluytec wound polypropylene cartridges.

Physical properties

Filtering medium: Polypropylene

Core: Polypropylene, Stainless Steel

Filtering grades: 1, 5, 10, 25, 50 µm

Length (inches): 10", 20", 30", 40", 50", 70"

External diameter: 60 mm

Internal diameter: 28 mm

Maximum operating temperature: 80ºC

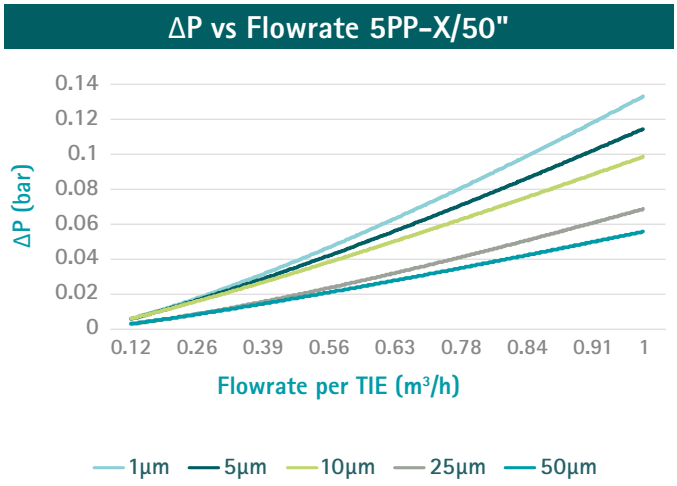
Differential pressure for replacement: 1.2 bar at 20ºC

Coupling: Double Open End*

Packaging: Cardboard boxes on pallets

*Other special couplings to order.

Pressure drop

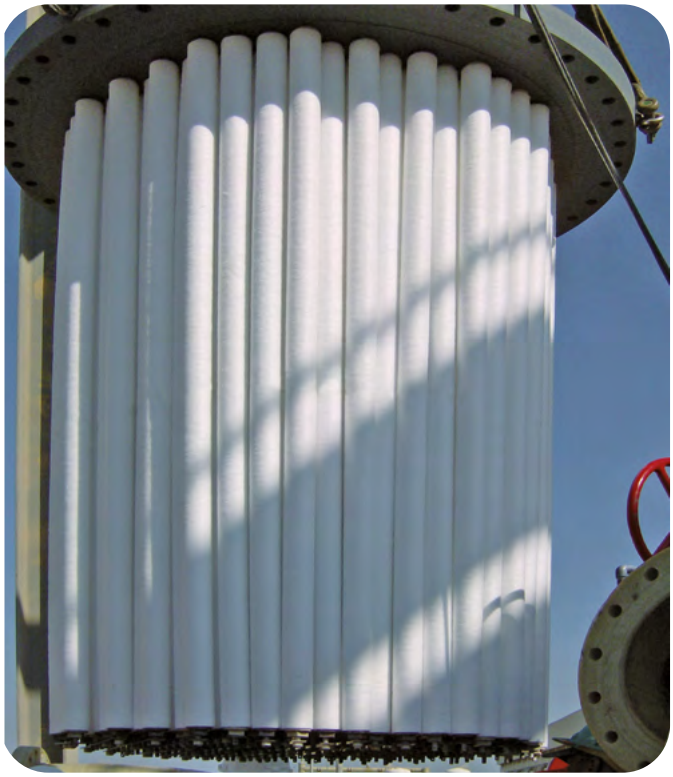


Order code

	X	P	P/I	-	XX
Length	↑				
Multiples of 10" (254 mm)	1				
	2				
	3				
	4				
	5				
	7				
Material					
Filtering medium: Polypropylene		P			
Core: Polypropylene			P		
Stainless steel			I		
Degree of micron density or nominal filtering					
					01
					05
					10
					25
					50

Special measurements to order.

Example: **4PP-50** 40" cartridge (1,016 mm) with filtering medium and core of polypropylene and nominal filtering degree of 50 µm.



Removal of filter pack in a desalination plant in Algeria.
Production capacity: 200,000 m³/d.

+45 YEARS



Fluytec Solutions Worldwide
Visit our Website for more information

Subject to change without notice.

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