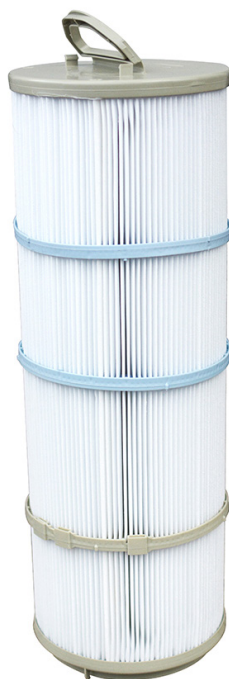




Watertech polypropylene pleated cartridge



Chemical compatibility

Water	-
Acid	-
Alkaline	-
Solvent	++
Oil/gasoline	+++

+++ Excellent / ++ Good / - Not compatible

Description

FILTECH WATERTECH cartridges are large pleated filter elements specially designed to retain water in oils.

The cartridges are made up of a polypropylene support and a polyester filtration media onto which a superabsorbent resin has been grafted. These components are assembled together using a heat-welding process to ensure maximum compatibility and avoid the risk of contamination..

Water is separated from mineral oils thanks to the superabsorbent built into the filtering agent. The superabsorbent reacts with the water in the fluid, forming a gel on the surface of the cartridge and increasing the volume of the media. The water can no longer be extracted from this gel, even under increased pressure. FILTECH WATERTECH is able to absorb emulsified, free or circulating water. However, it cannot extract water dissolved in oil (below the saturation limit of the hydraulic fluid) from the system.

FILTECH WATERTECH also contributes to particle filtration thanks to its polyester filtration media (filtration threshold 25 µm). Flow rate and pollution load factors can affect its performance..

The cartridge is ideal for applications involving hydraulic oil, hardening oil, free-cutting oil, etc.

Caractéristiques & avantages

- Porosity wide range from 1 to 75 µm.
- 100% welded and reinforced design.
- Low pressure losses.
- Special end caps on request
- Patented handles and combs

Building materials

Filter media	Superabsorbent grafted onto polyester
Media support	Polyester
End caps/core	Polypropylene

Terms and conditions of use

Maximum continuous operating temperature	90°C
Maximum pressure drop	5.0 bar at 25°C 1.5 bar at 90°C
Recommended replacement differential pressure	1.5 bar



ORDER REFERENCE

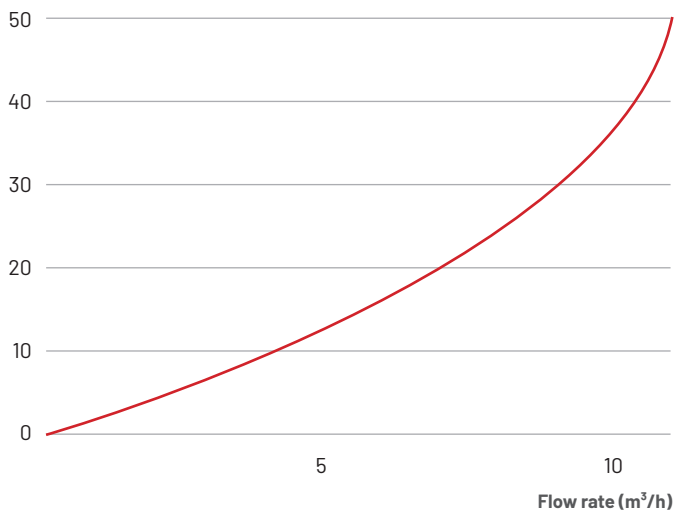


A / Length

Code	Description
SI22677	20"

Typical flow rates :

Pressure losses (mbar)



Typical initial pressure drop ΔP per 254mm (10») element, water at 20°C, viscosity 1cP.