

## Eco-designed filter with replaceable cartridge for dielectric oil filtration within rainwater

### Flow rate 5 litres/min

#### Use

**FILTRELEC® F5** is a product that allows continuous drain rainwater off while trapping permanently hydrocarbons, preventing any soil or water pollution.

#### Conception

This system consists of an integrated prefilter, a "ring" body and a filtering cartridge functioning on a gravity basis. It is designed and assembled in France. It is made from an **oleophilic and hydrophobic polymer**. It allows the continuous draining of decontaminated rainwater with residual hydrocarbon concentration lower than **5mg/L** until filter saturation. Then the filter reacts by clotting, preventing the fluid from flowing into the environment

This model allows the replacement of the filtration cartridge only when it gets saturated, while keeping the integrated prefilter and the "ring" body thus reducing by 50% the amount of waste.

Integrated Prefilter

"Ring" Body

Filtering cartridge

32  
0m  
m

120r



Filtering cartridge Replacement Principle

#### Installation

The **FILTRELEC® F5** provides a male threaded  $\varnothing 1\frac{1}{2}$  connection and therefore can be installed on any threaded element with the same diameter or with an adapted connector. The cartridge replacement procedure is included within the user's instruction booklet.

#### Technical Characteristics:

- Flow rate: 5 L/min
- Dimensions:  $\varnothing 120 \times 320$  mm
- Weight : 0,880 kg
- Material: PolyOxyMethylene C (**POM**) for the Prefilter and "Ring" Body and Acrylonitrile Butadiene Styrene (**ABS**) for the filtering cartridge.
- Aproximated Saturation volume ~ 0,4 L
- Rupture strength (Radial effort at ending point): 60 daN
- Anti-UV Treatment
- Temperature range: -20°C to +80°C

#### Life time

The product functional properties are not affected as long as the plastic body does show good condition. The filter must be replaced only when it gets saturated with hydrocarbons.

**Delivery time: Available in stock, 1 to 2 weeks after order receipt**

<p>Réf. : Filtrelec F5 FTech [EN] Rév. 0  Page 1 / 1</p>	<p><b>GMT - ZI Courtine - 405, rue du Grand Gigognan - 84000 Avignon - France</b> Tél : +33 (0)4.90.85.08.64 - Fax : +33 (0)4.90.25.61.10 e-mail : <a href="mailto:gmt@gmtinternational.fr">gmt@gmtinternational.fr</a> / Web : <a href="http://www.gmtinternational.fr">www.gmtinternational.fr</a> <b>AKHELEC - 337 Paseo de Ferrocarril, 1º 4ª - 08860 Castelldefels - Spain</b> Ph : +34 932 72 39 00 - M : +34 630 918 052 e-mail International : <a href="mailto:akhelec@akhelec.com">akhelec@akhelec.com</a> / Web : <a href="http://www.akhelec.com">www.akhelec.com</a></p>	<p>Mise à jour : 01/03/2019  Auteur : PGO</p>
--	--	---