

PP-FC 100

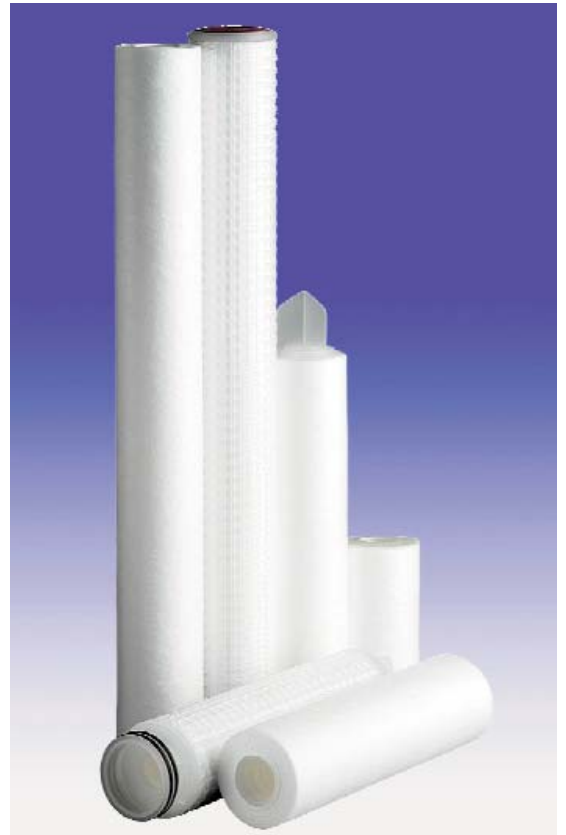
Absolute rated spun bonded filter cartridge

Product description:

The **PP-FC 100** precision graded density filter elements are a further development of our already well proven Absolute rated depth type filter, often used as water filters, chemical filters or trap filters.

These high performance cartridges excel in dirt holding capacity and give extremely low clean pressure losses as a result of the strictly controlled manufacturing of the fibre matrix.

Polypropylene fibres are blown continuously on to the central moulded support core, with fibre diameters controlled to produce varying sizes through the extrusion process. All the layers are inter-linked to offer maximum support while ensuring that the high void volume is maintained, but with increasing fibre density towards the cartridge centre core - therefore resulting in true depth filtration, ideal for use as water filters, chemical filters and trap filters.



**The PP-FC 100 –
absolute rated spun bonded filter cartridge**

Features:

- Absolute removal ratings for consistent and reliable performance
- Tested to ensure efficiency is consistent even at extremes of flow and differential pressure
- Range of Absolute ratings from 0.5 to 180 µm (Beta Ratio 5000 on 0.3 to 20 µm)
- Wide chemical compatibility, using 100% pure polypropylene
- Materials meet FDA requirements throughout
- Graded density structure for maximum dirt holding capacity
- High void volume, resulting in low differential pressure and excellent dirt holding capacity
- High strength all polypropylene moulded support core
- End cap welded direct to the core for extra security and strength
- Thermal bonding process stops media migration
- No resins, binders or anti static agents to ensure minimal extractables
- WRAS listed for drinking water applications
- Silicone free for electrophoretic paint applications
- Approved for use in public water supplies under Reg 31 of the Water Supply (Water Quality) Regulations 2000
- USP class VI toxicology tested
- Low extractables - typically below current USP limits defined for water for injection
- Steam sterilizable and hot water sanitisable.

PP-FC 100

Cartridge Length*:

Nominal 10" (254 mm)
 Nominal 20" (508 mm)
 Nominal 30" (762 mm)
 Nominal 40" (1016 mm)

* other sizes on request

Max. Differential Pressure:

4 bar @ 20°C

Max. Temperature:

PP 80°C

Materials:

Filter medium:	Polypropylene
Core material:	Polypropylene
Seal materials:	Silicone*

* EPDM on request

Cartridge End cap Type:

Double Open End
 Code 7 - BS 226, Double bayonet, with spear

Micron Ratings::

0.5 µm, 1 µm, 3 µm, 5 µm, 10 µm, 20 µm, 30 µm,
 50 µm, 70 µm, 90 µm, 120 µm, 150 µm, 180 µm

Outside Diameter:

64 mm

Core Inside Diameter:

28 mm

Recommended Filter Change dP:

1.5 bar

Flow Rates For Water (10" element)

