

FTECH HF

LARGE DIAMETER DEPTH FILTER CARTRIDGE

Ftech-HF spun bonded cartridge filters utilise the very latest in high strength fibre production to create a large diameter core-free element. Engineered to operate in high flow applications, the high capacity, low pressure loss media is an ideal choice for use in a wide range of water and chemical processes. No resins, binders or other materials are used in the manufacturing process, this results in a fibre free, uncontaminated process fluid. Utilising the housings own integral support core, this cartridge shows excellent performance in terms of life, disposal costs and overall cost effectiveness when compared to conventional cartridges.

Ftech-HF cartridges are produced using a unique manufacturing process resulting in the following features:-

High Efficiency Filter Media

- Available from 5 to 100µm+
- Consistent reliable performance

Unique Construction

- Core free design
- Free from resin binders
- High void volume, resulting in low clean Δp and excellent dirt holding capacity
- End cap welded direct to the core for extra security and strength
- Thermally bonded fibre matrix stops fibre migration
- One piece construction up to 1013mm (40")

Product Features

- 100% Polypropylene or Nylon 6 throughout
- Materials meet US FDA Title 21
- WRAS listed and REG 31 approved for use in UK potable water supplies (PP Only)
- No resins, binders or anti-static agents
- True graded density for enhanced life

Ftech-HF fibres are blown continuously onto a central production mandrel, without the need for resin binders or lubricants. This results in a one piece, core-free construction that is resistant to unloading and media shedding. True depth filtration results from the closely controlled manufacturing process and environment, which also ensures a consistent and reliable high quality element. Elements are available in two standard sizes, 508mm (20") and 1013mm (40"), double open ended format.

Ftech-HF features and benefits

- Consistent and reliable performance and efficiency
- No resin binders - thermal bonding process stops media migration and ensures minimal extractables
- Identification embossed on every cartridge
- Graded density structure for maximum dirt holding capacity
- Increased void volume giving high flow rates and low initial pressure losses
- Wide chemical compatibility, using 100% polypropylene or nylon media
- Range of Nominal ratings from 5 to 100µm+



TECHNICAL DATA

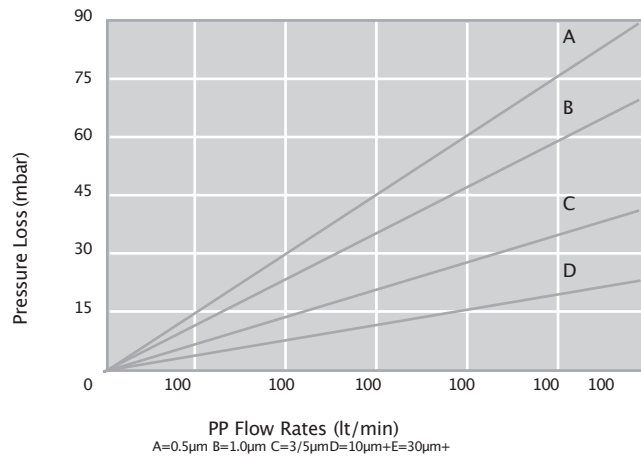
Dimensions

Outside Diameter: 152mm
 Inside Diameter: 114mm
 Length: See ordering guide

Maximum Operating Conditions

Temperature: 14PW: 80°C
 14NW: 150°C

Flow Rates For Water (10" Element)

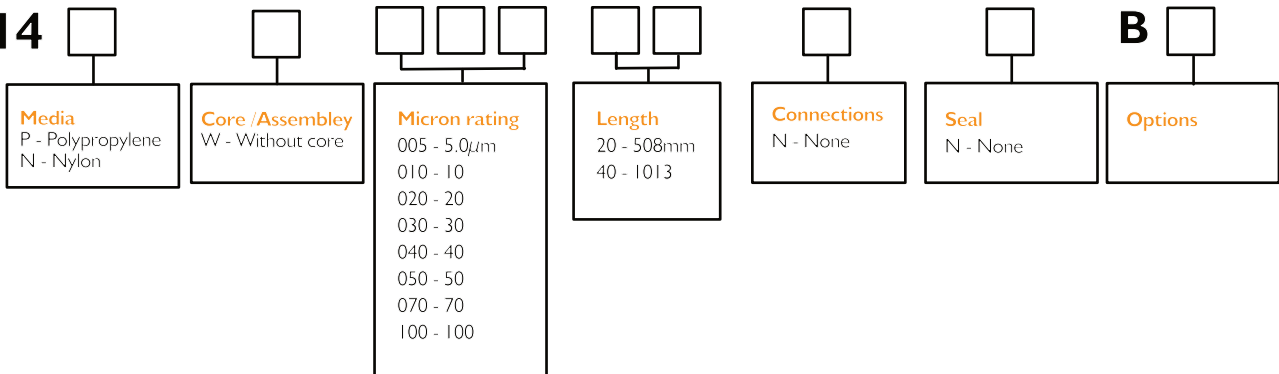


Recommended change-out differential pressure 2.5 Bar

Maximum ΔP	PW Media	NW Media
@ 30°C	4.0	3.0
@ 80°C	I	2.0
@ 130°C	N/A	1.0
@ 150°C	N/A	0.5

Ordering Guide

FT-14



Industries and applications

- **Food and Beverage:** Bottled water, Polishing lines, Trap filters
- **Fine Chemicals:** Solvent trap filters
- **Petrochemicals:** Amine streams, Glycol solutions, Hydrocarbon (Kerosene), Wax based materials
- **General Engineering:** Return condensate
- **Metal Finishing:** Wash systems, Feed waters
- **Automotive:** Electrophoretic paints, phosphate lines, pre treatment rinse