

# CONTOUR

## Large Diameter Depth Cartridge



**Contour** spun bonded cartridge filters utilise the very latest in high strength fibre production to create a large diameter core-free element (Core option available). 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.

**Contour** 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  $\Delta p$  and excellent dirt holding capacity



- 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
- Meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004
- 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

**Contour** 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.

## Features and Benefits

- Consistent and reliable performance and efficiency
- No resin binders - thermal bonding process stops media migration and ensures minimal extractables
- Identification imprinted 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 ratings from 5 to 100µm+
- All individual packing bags are anti static

## Industries and Applications

- |                            |  |
|----------------------------|--|
| <b>Food and Beverage</b>   | • Bottled water, Polishing lines, Powder Trap filters                          |
| <b>Fine Chemicals</b>      | • Solvent trap filters   |
| <b>Petrochemicals</b>      | • Amine streams, Glycol solutions, Hydrocarbon (Kerosene), Wax based materials |
| <b>General Engineering</b> | • Return condensate  |
| <b>Metal Finishing</b>     | • Wash systems, Feed waters  |
| <b>Automotive</b>          | • Electrophoretic paints, Phosphate lines, Pre treatment rinse                 |

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# Contour Technical Data

## Dimensions

Outside Diameter: 152mm  
Core Diameter: 114mm

## Maximum Operating Conditions

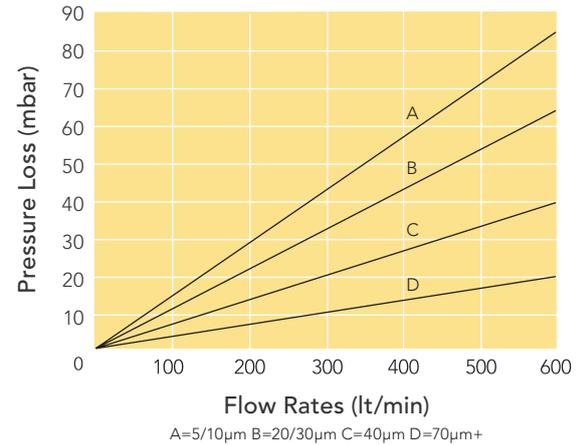
Temperature 14PW: 80°C  
14NW: 150°C

Recommended change-out differential pressure: 2.5 Bar

Maximum $\Delta P$	PW Media	NW Media
@ 30°C	4.0	3.0
@ 80°C	1	2.0
@ 130°C	N/A	1.0
@ 150°C	N/A	0.5

Product validation guide available on request.

Flow Rates for Water  
(40" Element)



## Ordering Guide

14P	W	020 -	40	N	N	A	
Media	Core/Assembly	Micron Rating	Length	End Caps	Seal	Branding	Options
14P - Polypropylene 14N - Nylon 6	W - Without Core P - Polypropylene	005 - 5.0µm 010 - 10 020 - 20 030 - 30 040 - 40 050 - 50 070 - 70 100 - 100	20 - 508mm 40 - 1013	N - None	N - None	A - Amazon	

Example: 14PW020-40NNA = Polypropylene media, no core, 20µm rating, 1013mm (40") long.

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