

# Poliflo DP

Poliflo DP filter cartridges are absolute rated, pleated polypropylene depth filters. Incorporating up to 8 separate filtration layers with progressively finer ratings. Poliflo DP filter cartridges are particularly suitable for the filtration of fluids containing a wide range of particle sizes. The coarse outer pre-filter media layers remove contaminant that would foul a traditional pleated filter cartridge, whilst the finer inner media layers ensure that the stated filtration efficiency is achieved.

Poliflo DP filter cartridges are absolute rated, tested to Beta 5000 using the industry standard OSU-F2 test procedure with AC Fine or Coarse test dust as appropriate.

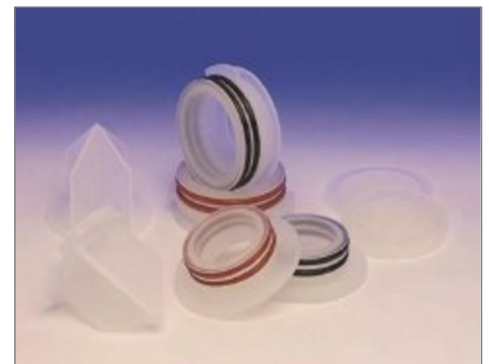
Manufactured from 100% polypropylene filter media and hardware, Poliflo DP filter cartridges have excellent chemical compatibility. Thermal bonded construction eliminates the requirement for adhesives, maintaining product integrity in demanding applications and minimising the level of extractables in the filtrate.

Poliflo DP filter cartridges are available in a wide range of length and endcap configurations to retrofit most industry standard applications.



## Features and Benefits

- Beta 5000 absolute micron ratings ensure consistent, repeatable performance.
- Graded depth construction with up to 8 separate media layers gives true depth filtration.
- Particularly suitable for the filtration of fluids with contaminants in a wide range of particle sizes.
- Very resistant to fouling and surface loading.
- Ideal for removal of gel particles from process fluids.
- 100% Polypropylene construction and thermal bonding mean wide chemical compatibility and minimum levels of extractables.
- Modular construction, cartridges can be quickly assembled to any length and end cap configuration



## Technical Data

### Dimensions

Outside Diameter: 70mm  
 Inside Diameter: 33mm  
 Lengths: 5" to 70"

### Sterilisation and Sanitisation

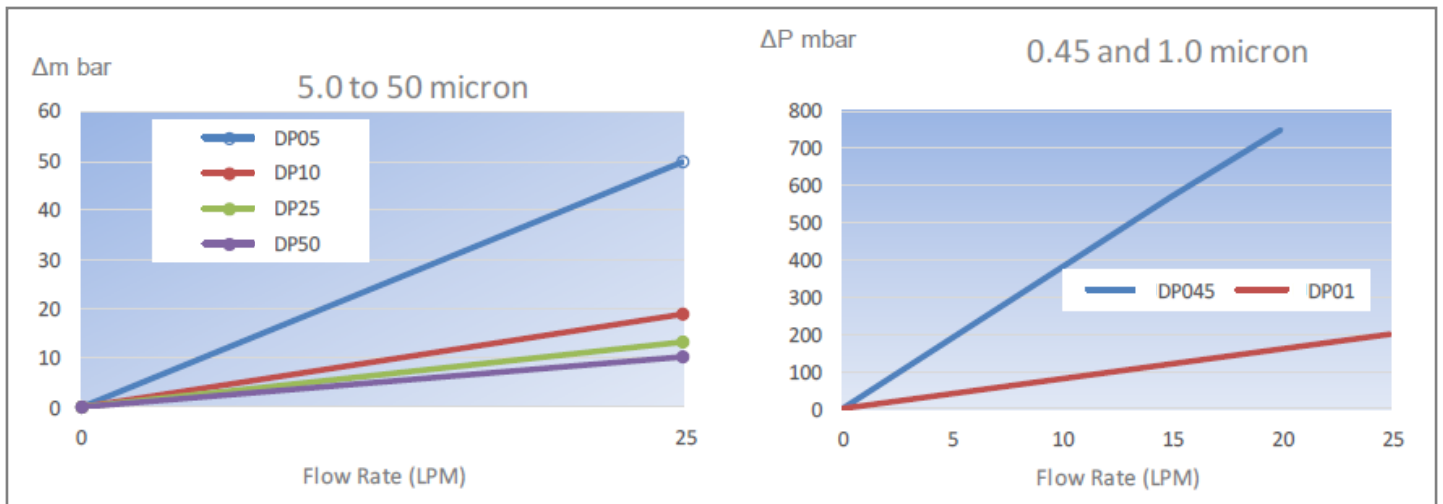
Steam: 10 cycles, 121°C for 15 minutes  
 Hot Water: 90°C for 30 minutes @ max 0.2 bar dp

### Operating Conditions

Recommended Maximum:  $\Delta P$   
 Forward Flow: 5 bar @ 20°C  
                   4 bar @ 65°C  
                   2 bar @ 80°C  
 Reverse Flow: 2 bar @ 20°C

### Materials of Construction

Filter Medium: Polypropylene  
 Drainage layers: Polypropylene  
 Inner Core: Polypropylene  
 Outer Core: Polypropylene  
 End Caps: Polypropylene  
 Gaskets & O-Rings: Various, see below



## Poliflo DP Ordering Guide

Name	Micron Rating	Length	End Cap Type	Gasket	Options
DP	0.45	4.875	3	E - EPDM	
	1	9.875	4-DOE	N - Nitrile	
	5	10	7	S - Silicone	
	10	20	8	T - Teflon	
	25	30		V - Vitron	
	50	40			

**Ordering Guide Example: DP-10-10-4-E**

**European Manufacturing, Sales & Service**  
 Envirogen Group  
 Unit 9, Wimsey Way, Alfreton Trading Estate,  
 Alfreton, Derbyshire DE55 4LS,  
 United Kingdom  
 T: +(0)1531 636328  
 E: info@envirogengroup.com

**European Sales & Distribution**  
 Envirogen Technologies BV  
 Penningweg 71, 1507 DG Zaandam,  
 The Netherlands  
 T: +31 (0)75 204 72 00  
 E: ninfo@envirogengroup.com

**Middle East Sales & Distribution**  
 Envirogen Group  
 Block 115, Road 1510,  
 Building 737, Office 81,  
 Hidd, Kingdom of Bahrain  
 T: +973 13107790  
 E: infobahrain@envirogengroup.com