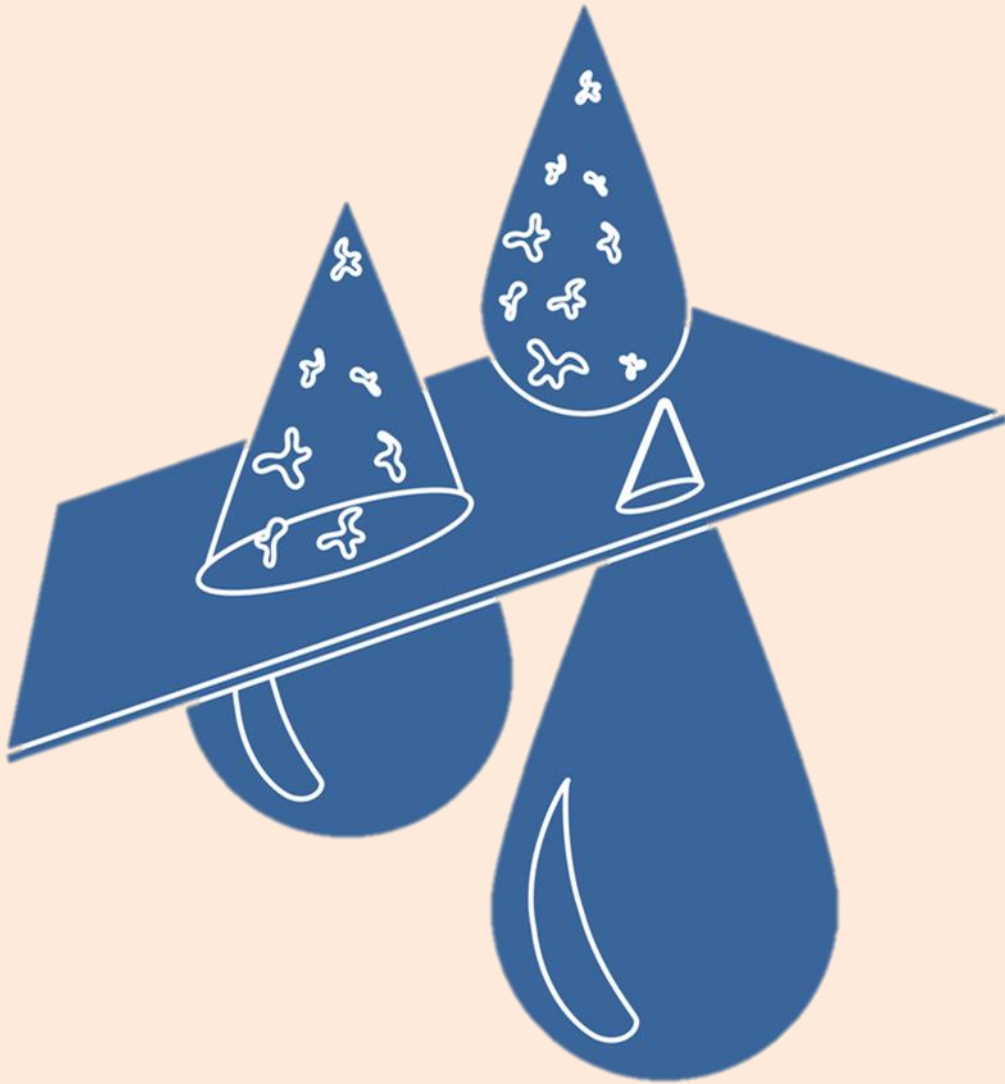




MADE IN INDIA, FOR THE WORLD.



**CARING**  
**filtrate**

**ADG FILTER SCIENCE PRIVATE LIMITED**

S.NO.338, PLOT NO.7, BALDA, PARDI GIDC, Valsad, Gujarat, INDIA 396125.

Email: [info@adgfilterscience.com](mailto:info@adgfilterscience.com) [www.adgfilterscience.com](http://www.adgfilterscience.com)

# ABOUT US

**ADG FILTER SCIENCE** being a manufacturer of Microfiltration products; we produced high-quality filter cartridges. Considering an application our technical experts designed the filters to provide excellent output on a downstream level. Microfiltration is suitable for the separation of cells, bacteria and particles. Generally used for pre-treatment. The membrane pore size range is from 0.1 to 100  $\mu$ (micron), and it can also be used for clarification and Microfiltration belongs to precision filtration, and its basic principle is the process of sieve separation.

At ADG we strive to provide technologically smarter and ecologically efficient solutions across applications. We maintain the highest manufacturing and management standards to achieve reliable and effective filtration solutions for our customers. We constantly endeavor to adapt and respond to effectively to changing client requirements and industry challenges. We maintain state of the art manufacturing standards; all products are manufactured in cleanroom environment using completely validated processes. Principles of statistical control and determination of process capability are applied to critical variables during manufacturing processes. In process controls assure stability of the process. With consistent upgradation of technology and facilities and a talented management team we strive to provide the best solutions.



AN ISO 9001:2015 CERTIFIED COMPANY

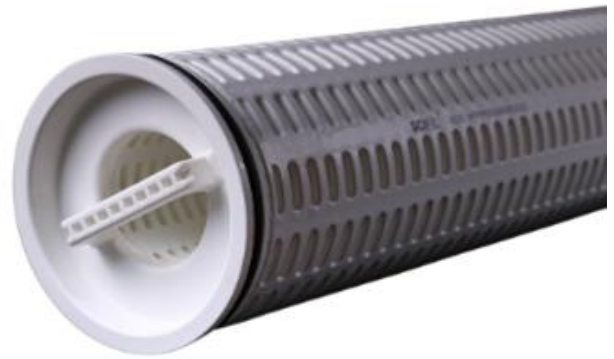
# HIGHFLOW PLEATED FILTER CARTRIDGE

## HFCPL

SCIFIL® High Flow filter cartridges are used in a wide variety of applications where high flow rates and long Service life are primary requirements. High Flow filter systems are successfully used around the world, is constructed with a high surface area melt-blown polypropylene media for low initial pressure drop, high dirt holding capacity, and high-efficiency performance.

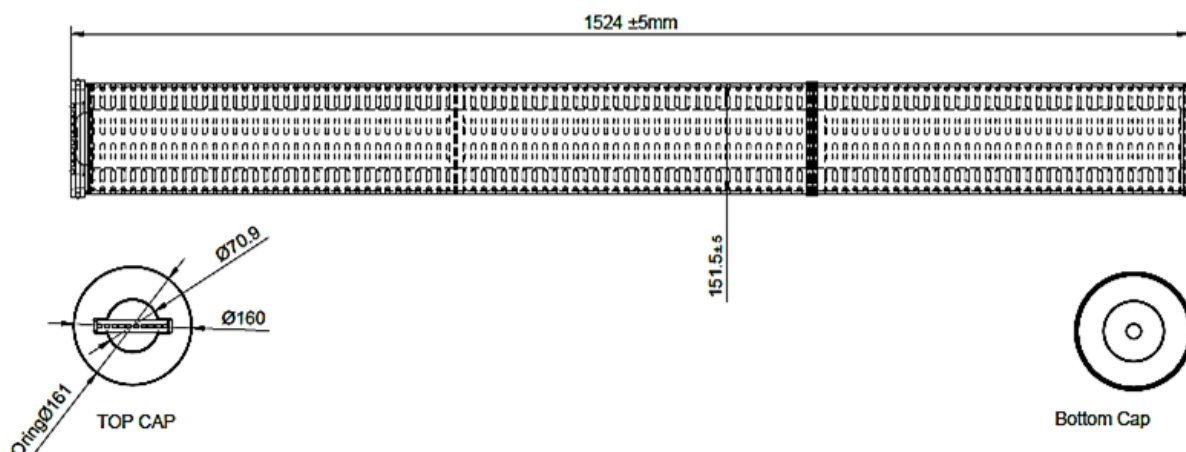
### Features And Benefits

- Multiple pleated layer construction, filtration configuration in-out
- High filtration area up to 9m<sup>2</sup>
- Wide range chemical compatibility
- Nominally rated with retention ratings between High flow rate.
- Inner core for high mechanical strength,
- Wide chemical compatibility.
- End connections to fit all standard pressure housings vessel (housing)



### APPLICATION:

- Sea water desalination
- Food and Beverages
- Electronic and Semi-Conductor
- Water Treatment
- Oil & Gas
- Machinery & Equipment
- Power plant water treatment
- Steel mill water treatment



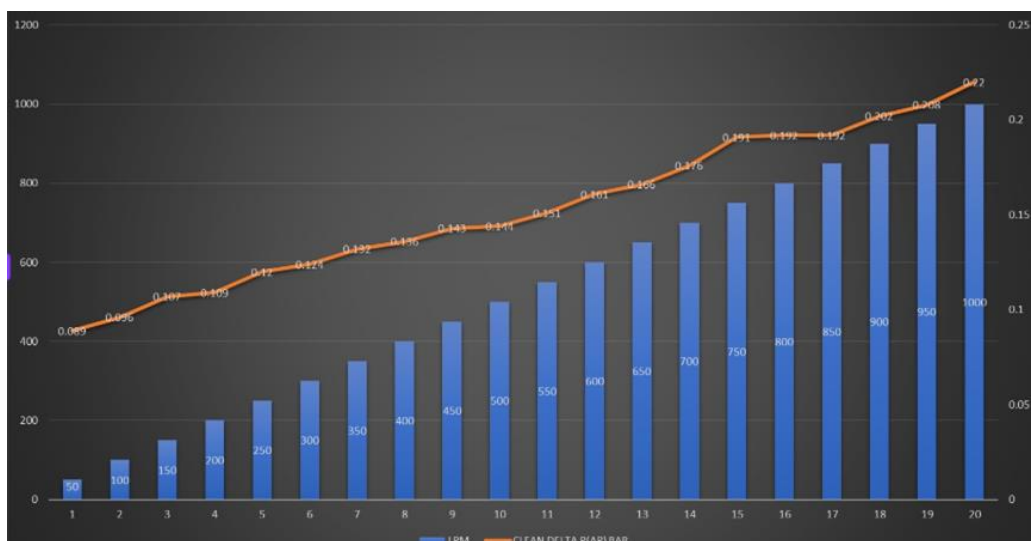
Dimensional Drawing for 60"

## MATERIAL OF CONSTRUCTION

<b>Media:</b>	Borosilicate microfiber glass with acrylic binder
<b>Support Media:</b>	Polyester
<b>Inner and Outer Core:</b>	Glass Filled PP or Acetal
<b>End caps:</b>	Glass filled PP or Acetal
<b>Gaskets/O-rings:</b>	EPDM, Nitrile, Viton®

## TECHNICAL SPECIFICATION

<b>Lengths:</b>	60/40/20 inch
<b>Outside diameter:</b>	Ø 6" (152mm)
<b>Typical surface Area:</b>	10.5 m <sup>2</sup> @60inch, 7 m <sup>2</sup> @40inch
<b>Dirt Holding capacity (60")</b>	11 to 13 kg
<b>Micron Rating</b>	1, 5, 10, 20,30,40,50 µm
<b>Max DPΔ</b>	50 psid at 180°F (3.4bar at 100°C)
<b>Recommended Change out DPΔ</b>	2.4bar
<b>Max Flow per Cartridge (60")</b>	1000 LPM



Tested with Ultra pure Water at 25 °C

# ORDERING INFORMATION

ADG + HF + MOC + GRADE + MICRON RATING + LENGTH + END CAPS + SEAL+APPEARANCE
ADG HFC - 1+2+3+4+5+6+7
EXAMPLE - ADG-HFC-PP-N-50-4-PL-E-IC

TABLE 1- MOC	
MATERIAL	CODE

POLYPROPYLENE	PP
GLASS FIBRE	GF

TABLE 2- GRADE	
CONFIG.	CODE

ABSOLUTE	A
NOMINAL	N

TABLE 3- MICRON	
MICRON RATING	μ

1	10
2	20
3	30
5	50
10	100
20	200
30	300
40	400
50	500

TABLE 4 -LENGTH	
LENGTH	CODE

20"	2
40"	4
60"	6

TABLE 5 -CONNECTIONS	
CAPS	CODE

In to Out	PL
-----------	----

TABLE 6- SEAL	
SEAL	CODE

EPDM	E
NITRILE	B
*VITON®	V

TABLE 7 -APPEARANCE	
APPEARANCE	CODE

INNER CORE & BELT WRAP	BW
INNER CORE & OUTER CAGE	IOC

## Contact us for Hardware MOC selection

Viton™ is a registered trademark of The Chemours Company FC, LLC