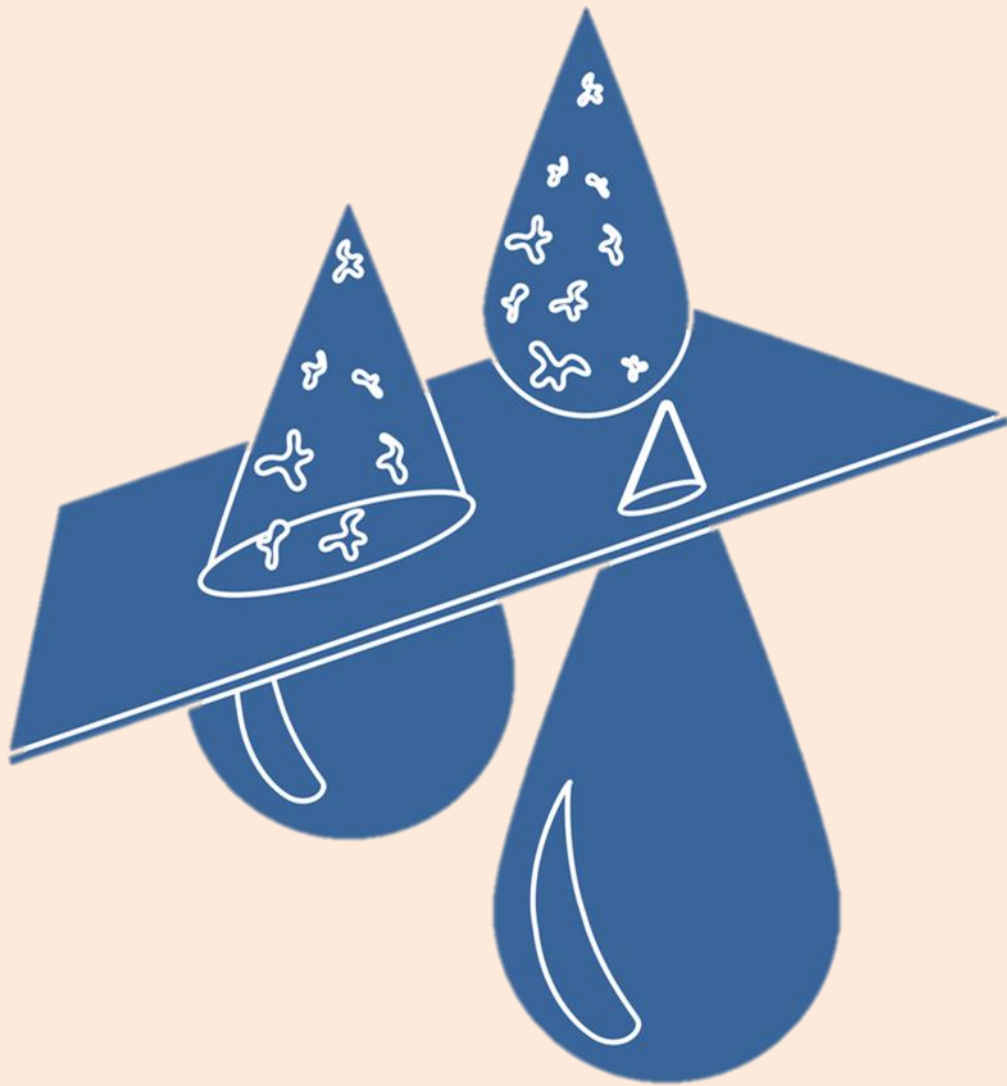




MADE IN INDIA, FOR THE WORLD.



CARING filtrate

ADG FILTER SCIENCE PRIVATE LIMITED

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Email: info@adgfilterscience.com www.adgfilterscience.com

ABOUT US

ADG FILTER SCIENCE: Advanced Microfiltration Solutions

ADG FILTER SCIENCE is a dedicated manufacturer of high-quality microfiltration products, including advanced filter cartridges. Our technical experts meticulously design these filters, considering specific application needs to ensure optimal downstream performance. We are committed to delivering technologically advanced and ecologically efficient filtration solutions across diverse applications.

Commitment to Quality and Innovation

We uphold the highest manufacturing and management standards to provide reliable and effective filtration solutions. All products are manufactured in a state-of-the-art cleanroom environment using fully validated processes. Rigorous statistical process controls are applied to critical variables, ensuring consistent product quality and process stability. Our dedication to continuous technological upgrades and a talented management team allows us to effectively respond to evolving client requirements and industry challenges.



Introducing SCIFIL® High Flow Filter Cartridges: Superior Performance and Extended Life

SCIFIL® High Flow Filter Cartridges are engineered for demanding applications requiring high flow rates and extended service life. Their unique multi-layer, graded pore construction offers exceptional dirt-holding capacity and robust design, leading to a significantly extended lifespan – often lasting twice as long as conventional melt blown or wound cartridges.

This longevity drastically reduces operational downtime and labor costs associated with frequent replacements, translating directly into substantial overall cost savings. Our high-flow filters achieve an optimal balance of high filtration efficiency, low pressure drop, and superior dirt-holding capacity. This synergistic design ensures peak performance without compromising flow rates or leading to premature clogging.

The ultimate benefit is maximized operational uptime and a minimized Total Cost of Ownership (TCO), achieved by reducing energy, labor, and waste costs while significantly boosting productivity.

The Critical Role of Filter Cartridges

Filter cartridges are vital MRO (Maintenance, Repair, and Operations) components in refineries and numerous other industries. They are critical for maintaining the purity of fluid streams, removing contaminants to protect sensitive equipment and ensure overall plant operational integrity.



AN ISO 9001:2015 CERTIFIED COMPANY



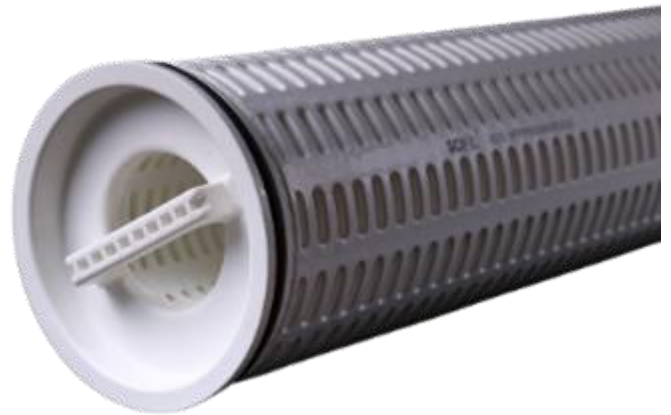
HIGHFLOW PLEATED FILTER CARTRIDGE

HFCPL

Pall HFU Retrofit

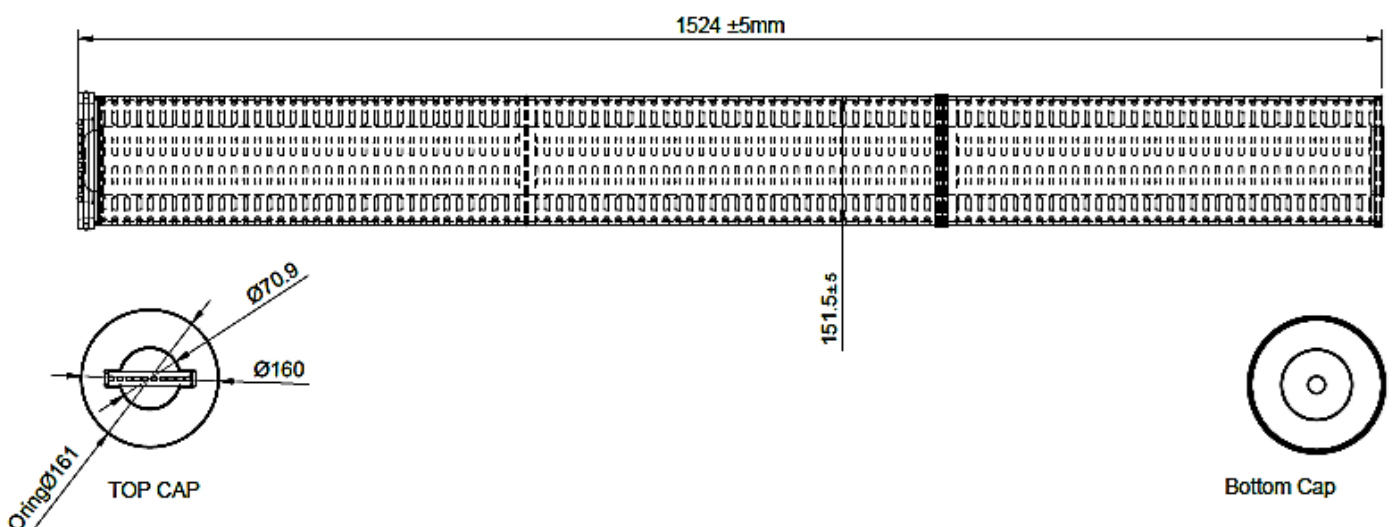
Features And Benefits

- Multiple pleated layer construction, filtration configuration in-out
- High filtration area up to 9m²
- 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 & Chemical
- Machinery & Equipment
- Power plant water treatment
- Steel mill water treatment



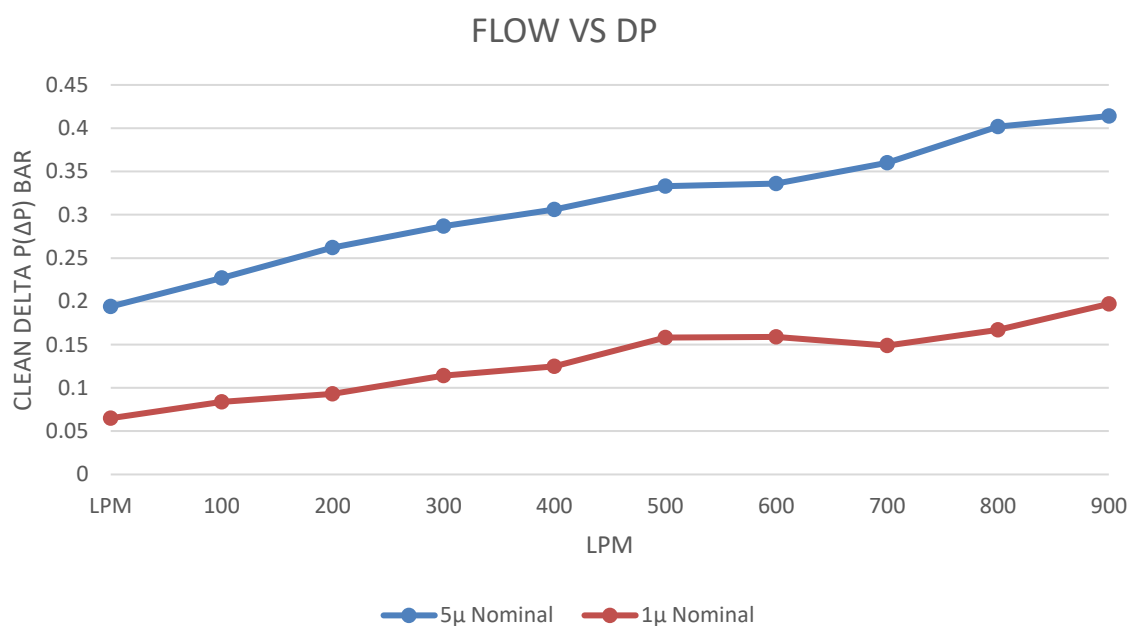
Dimensional Drawing for 60"

MATERIAL OF CONSTRUCTION

Media:	Polypropylene micro fibre
Support Media:	Polypropylene
Inner and Outer Core:	Polypropylene
End caps:	Polypropylene
Gaskets/O-rings:	EPDM, Nitrile, Viton®, Silicone

TECHNICAL SPECIFICATION

Lengths:	60/40/20inch
Outside diameter:	Ø 6" (152mm)
Typical surface Area:	9 m ² @60inch, 6 m ² @40inch
Dirt Holding capacity (60")	3 to 5 kg (considering RO pre-filter)
Micron Rating	1, 05, 10, 20,30,40 µm
Max DPΔ	50 psid at 180°F (3.4bar at 82°C)
Recommended Change out DPΔ	2.4bar
Max Flow per Cartridge (60")	1300 LPM



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	CODE

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
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TABLE 6- SEAL	
SEAL	CODE

EPDM	E
NITRILE	B
*VITON®	V
Silicone	S

TABLE 7 -APPEARANCE	
APPEARANCE	CODE

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

Contact us for Hardware MOC selection

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