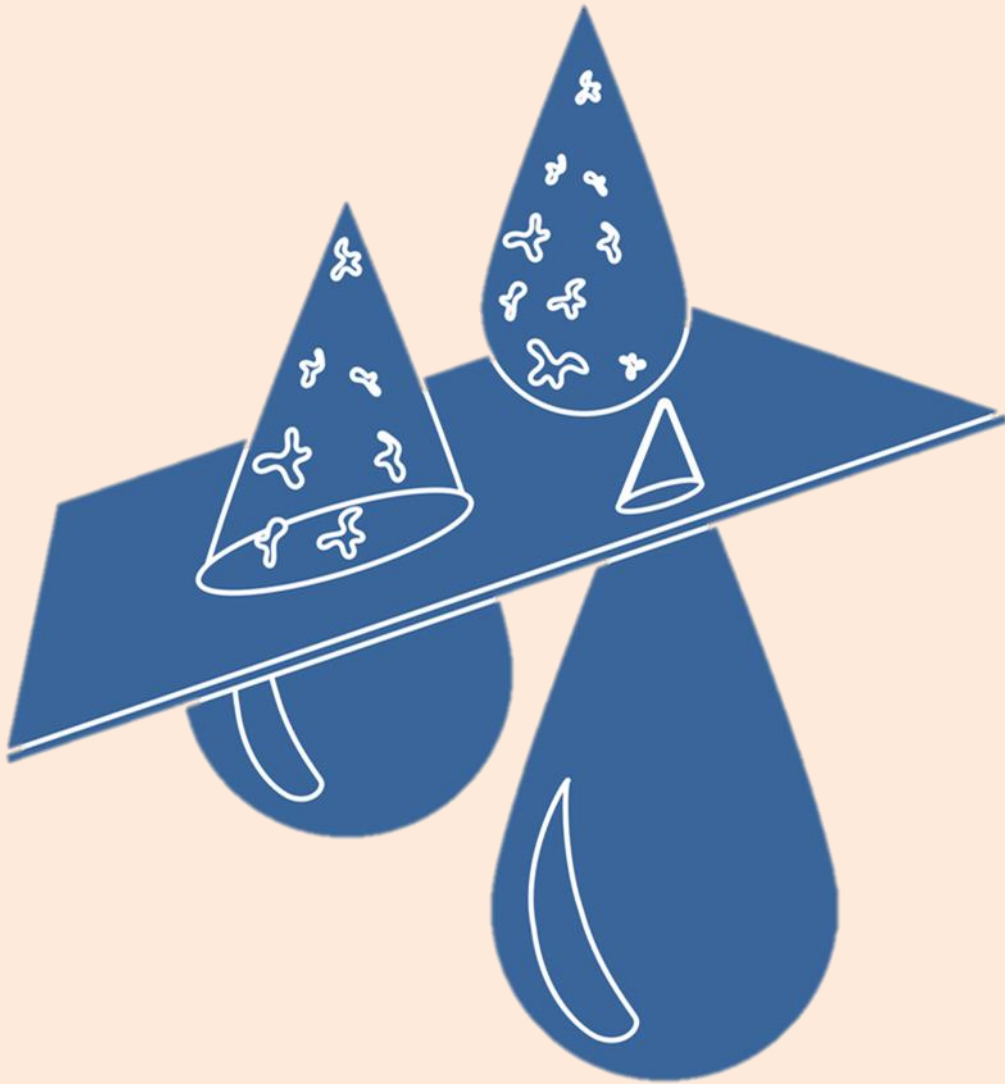




MADE IN INDIA, FOR THE WORLD.



**CARING
filtrate**

ADG FILTER SCIENCE PRIVATE LIMITED

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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 1 μ (micron), and it can also be used for clarification and se Microfiltration belongs to precision filtration, and its basic principle is the process of sieve separation. Generally used for pre-treatment and it can also be used for clarification and security filtration of general liquids. The application scope of the microporous membrane is mainly to trap particles, bacteria and other pollutants from the liquid to achieve the purpose of purification, separation and concentration.



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 endeavour to adapt and respond effectively to changing client requirements and industry challenges.

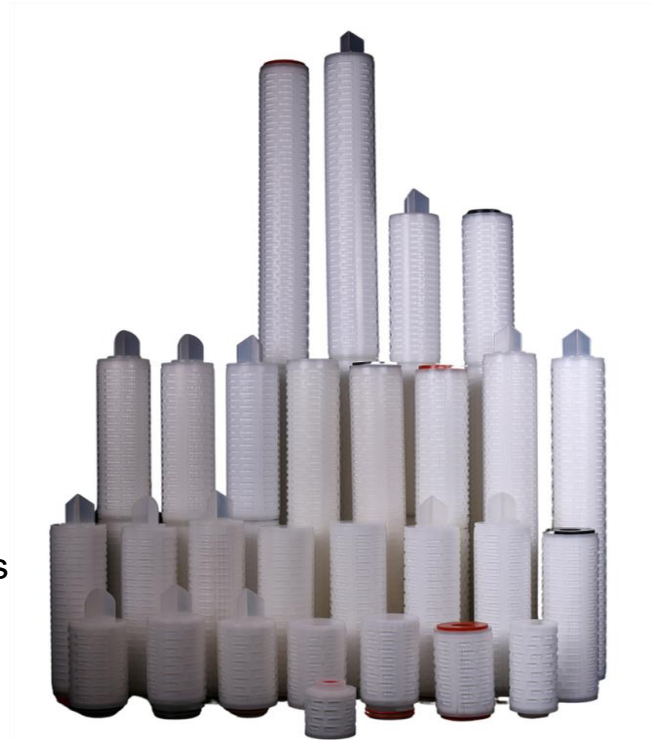
We maintain a state-of-the-art manufacturing standards; all products are manufactured in a cleanroom environment using completely validated processes. Principles of statistical control and determination of process capability are applied to critical variables during manufacturing processes. In the process, 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.

Polypropylene Pleated Filter Cartridge

The polypropylene pleated filter cartridge is constructed with a high surface area melt-blown polypropylene media for low initial pressure drop, high dirt holding capacity, and high-efficiency performance. It is an efficient membrane pre-filter and can act as a final polishing filters for numerous fluid refining processes.

Features And Benefits

- Superior holding capacity
- High removal efficiency
- Long life cycle
- 100% polypropylene fibres
- No adhesives and resins minimizes contamination from media extraction.
- Robust outer cage
- Wide chemical compatibility
- No fibre migration
- FDA approved filters
- End connections to fit all standard housings



APPLICATION:

Fine Chemicals and Pharmaceuticals

Biological Fluids, Oral Drugs, Ophthalmic Liquids, Large volume parenteral, Clarification, solvents, Acid base, Membrane pre-filtration

Beverages

Wine, Alcohols, Fruit Juice, Beer.

Electronic and Semi-Conductor

De-ionized Water, Pre-filtration, Magnetic tapes, Premix Resins, Tape Coatings, Photoresists, Metal Oxide, Dispersions Solvent.

Water Treatment

Potable water, Resin trap, Pre/Post UV, Membrane protection

MATERIAL OF CONSTRUCTION

Media	Polypropylene microfiber
Support Media	Polypropylene
Hardware	Polypropylene
Gaskets/O-rings	Silicone, EPDM, Nitrile, Fluoroelastomers

TECHNICAL SPECIFICATION

Lengths	5",10",20",30",40",50",60",70".
Outside diameter	Ø 70mm
Typical surface Area	0.5 - 0.6 m2 per 10" filter
Micron Rating	0.2,0.45,1,5,10,20,30,40,50,100µ

FUNCTIONAL SPECIFICATION:

Max Differential Pressure	Forward:4.2 bar @20°C 2bar @80°C
Non-fiber Releasing	Meets the criteria for a “Non-fiber releasing” filter as defines in 21CFR210.3(b) (6)
Sterilization* (AU)	In-Line Steam Sterilization - 134 °C, 20 mins. at max differential pressure of 0.3 bar Autoclaving- 121°C - 30 mins
Max Operating pressure	3.4 bar @23° C
Max Operating Temperature	80° C

ORDERING INFORMATION:

Filter Element Part Number : ADG- 1 - 2 - 3 - 4 - 5 - 6

TABLE 1- MOC		TABLE 2- GRADE		TABLE 3- MICRON	
MATERIAL	CODE	CONFIG.	CODE	μ	CODE
POLYPROPYLENE	PP	ABSOLUTE USP	AU	0.2	2
		ABSOLUTE FDA	AF	0.45	4
		NOMINAL USP	NU	0.65	6
		NOMINAL	NE	0.8	8
				1	10
				2	20
				3	30
				5	50
				10	100
				20	200
				30	300
				40	400
				50	500

TABLE 4 -LENGTH		TABLE 5 -CONNECTIONS		TABLE 6- SEAL	
LENGTH	CODE	CAPS	CODE	SEAL	CODE
2.5" (Ø56mm)	2.5	222+FLAT	S3	SILICONE	S
5" (Ø56mm/68mm)	05	222+FIN	S8	EPDM	E
10"	10	226 + FLAT	S6	FLUOROELASTOMERS	V
20"	20	226 + FIN	S7	NITRILE	B
30"	30	DOE	S0	PTFE ENCAPSULATED	T
40"	40	INTERNAL			
50"	50	O-RING (Ø56mm)	SR		
60"	60				
70"	70				

10" to 70" Ø70mm

END CONNECTIONS:

