MEMFILL
Hollow Fibers. Smarter Solutions.

MEMFILL's H_2OLLOW-FIBER®

MEMFILL's indigenous H_2ollow-Fiber® Membrane Technology puts into use for providing safe-drinking water for better today

Made in India with Memfill's indigenous H_2ollow-Fiber®

Durable & Economical

UFRO_S20-30

UFRO Filter

For Residential Applications

Salient Features

- Indigenous Durable Hollow Fibers
- Affordable Price
- High Flux & Low Rejection
- Suitable For Municipal/Bore-well Water
- Extends RO filter's life
- Saves RO filter replacement cost
- Filters Total Suspended Solids
- Filters Virus & E-coli Bacteria
- Easy to Install & Replace
- Easy to do Backwash

UFRO-W

UFRO-B

Entrepreneur Incubator Seed fund Won From | Department of Science & Technology (DST) Government of India | Tiruchirappalli Regional Engineering College Science and Technology Enterpreneurs Park TREC-STEP

www.memfill.in

UF Filter Model	HF Membrane (approx. area m^2)	Flow Rate (approx. LPH)	Pressure (approx. bar)
UFRO-LoFlo-S20-30-W	0.5	20 - 30	0.5
UFRO-LoFlo-S20-30-B	0.5	20 - 30	0.5

Key Advantages:

- Filters are made with durable polymer membranes
- The uniqueness of the filter design is that the U-shape hollow fibers alone can be replaced when required without replacing the cartridge housing unless it is physically damaged (the housing must also be replaced along with the filter in case of non-removable UF filter model)
- Fibers can also be placed straight
- The buildup pressure inside the U-shape filter is more likely resulting high permeate but not affecting hollow fiber's lifetime thanks to their high mechanical strength
- Screw & Unscrew installation/removal type
- Easy Back Wash and Manual wash are possible

Instructions for cleaning fibers:

- Open the cartridge housing and clean hollow fibers by using clean fresh water. Hollow fibers shouldn't be handled with bare hands
- The lifetime of the membrane shall be extended if the cartridge is properly maintained with timely back wash done

Filter Specifications

Membrane Type & Material		Hollow Fiber & PES
Fiber Dimensions	mm	OD: 1.9 / ID: 1.5
Effective Membrane Area	m^2	0.5
Housing		PP
Molecular Cutoff	daltons	100,000
Operating Mode		Dead-End Flow or Cross Flow
Flux	LPH	20 - 30
Operating Temperature	deg C	15 - 40
Operating Pressure	bar	0.5 - 1.0
Max. Trans Memberane Pressure	bar	0.1 - 1
Bacteria Removal Rate	log	> 4
Max Feed Trubidity	NTU	< 25
Permeate Trubidity	NTU	< 0.1
pH		4 - 10
Backwash Mode		Dead-end
Backwash Pressure	Mpa	0.05 - 0.25
Backwash Duration	sec	30 - 60
Backwash Frequency (varies on feed)	min	every 40 - 60
Chemical Cleaning		NaOCl
Max. Chlorine Tolerance	ppm-h	180,000

INDIA

Industrial-Institute Collaboration Cell
Alagappa University Men's Hostel Campus
Karaikudi 630 003, Tamilnadu, India
Office:+91 - (0)4565 - 228099 Mobile: +91 - 9444877555
www.memfill.in | info@memfill.in

SINGAPORE

Blk 16A, Tuas Ave 1, Floor 06, Unit 21
Singapore - 639499
Mobile: +65 - 81188413
swamy@memfill.in