

# MEMFILL'S H<sub>2</sub>OLLOW-FIBER<sup>®</sup>

MEMFILL's indigenous  
H<sub>2</sub>ollow-Fiber<sup>®</sup>  
Membrane Technology  
puts into use for providing  
safe-drinking water  
for better today



Made in India with  
Memfill's indigenous  
H<sub>2</sub>ollow-Fiber<sup>®</sup>

Durable  
&  
Economical

Jumbo-HiFlo  
Jumbo\_UF\_S250-750

JUMBO  
UF Filter

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For Commercial  
Applications



## Salient Features

Indigenous Durable Hollow Fibers

High Flux up to 800 LPH

Low Reject

Filters Total Suspended Solids

Filters Virus & E-coli Bacteria

Customizable Design

Easy to Install & Replace

Easy to do Backwash

Low Maintenance



Hollow  
Fiber



UF Filter Model	HF Membrane (approx. area m <sup>2</sup> )	Flow Rate (approx. LPH)	Pressure (approx. bar)
Jumbo-10" - HiFlo-250	3	200 - 300	1
Jumbo-20" - HiFlo-500	5	450 - 600	1
Jumbo-20" - HiFlo-750	7	650 - 800	1

### 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 <sup>2</sup>	3 - 7
Housing		PP
Molecular Cutoff	daltons	100,000
Operating Mode		Dead-End Flow or Cross Flow
Flux	LPH	250 - 800
Operating Temperature	deg C	10 - 40
Operating Pressure	bar	1.0
Max. Trans Membrane Pressure	bar	0.1 - 1.3
Bacteria Removal Rate	log	> 4
Max Feed Turbidity	NTU	< 25
Permeate Turbidity	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

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