



# MS<sup>®</sup> FUF Membrane Module

## —MSFUF1090C NIPS

### DESCRIPTION

MSFUF1090C retrofit modules are developed to replace Hydranautics Ultrafiltration module HYDRAcap MAX 80 with compatible dimensions to make sure no pipe and fitting change is required. MSFUF1090C are made with hollow fiber PVDF material with high tensile strength and pore size 0.03 µm, customer can follow existing operation and cleaning program when using them for replacement project.



### FEATURES

- 0.03 µm pore size guarantees stable permeate
- Modified hydrophilic PVDF membrane with easy wetting performance
- High tolerance to varying influent water qualities
- Reduced pretreatment requirements due to outside-in flow
- High chemical resistance
- Energy saving due to low operating pressure
- Standard models allow for easy retrofits

### APPLICATIONS

- Reverse osmosis pretreatment system
- Municipal wastewater treatment
- NSF potable water treatment
- Industrial wastewater treatment
- Wastewater recycle
- Surface and groundwater treatment



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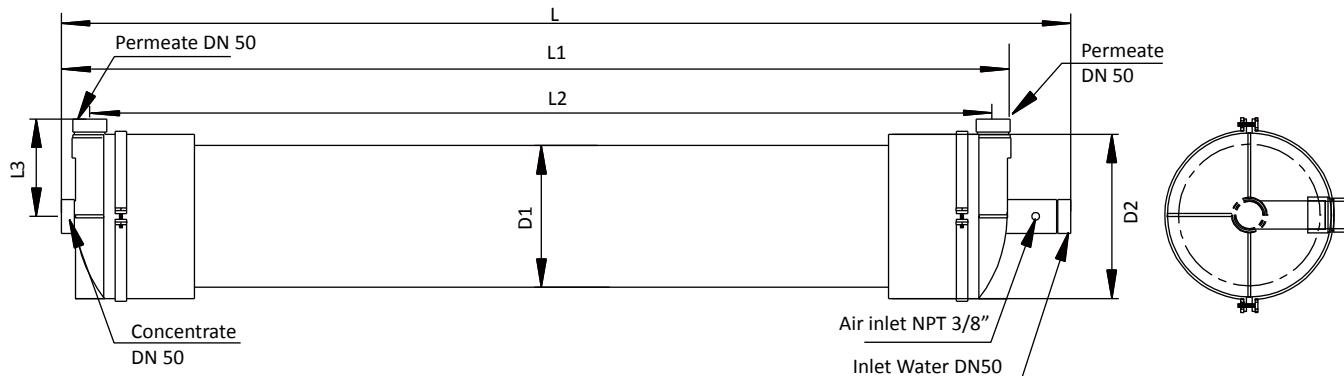
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### SPECIFICATIONS



Module Mode	MSFUF1090C
Membrane Surface Area	105 m <sup>2</sup>
Hollow Fiber Material	PVDF
Pore Size	0.03 µm
ID / OD	0.7/1.3 mm
Flow Direction	Outside-in
L	2,340.6 mm
L1	2232.7 mm
L2	2110.9 mm
L3	172 mm
D1	250 mm
D2	290 mm
Inlet / Outlet Connection	DN 50 (Victaulic)
Housing Material	UPVC
Joint Material	UPVC
Potting Material	Epoxy resin
Max. Feed Pressure	3.0 bar
Design Flux	34-110 LMH (3.6-11.6 m <sup>3</sup> /h)
Max. TMP	2.0 bar
Operation Temp	5-40 °C
pH Range	2-10
Permeate Turbidity	≤ 0.1 NTU
Permeate SDI	≤ 3

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