

Brand
New!

DEERFOS
MEMBRANES

ver.DFMTB-20.5

Lily

Outdoor Filter

- DEERFOS' Lily Series offers high permeability, excellent life time, strong hollow fiber membranes and easy maintenance.
- Providing excellent water quality and convenience.

Standard Module Specifications

Section 1. Specifications

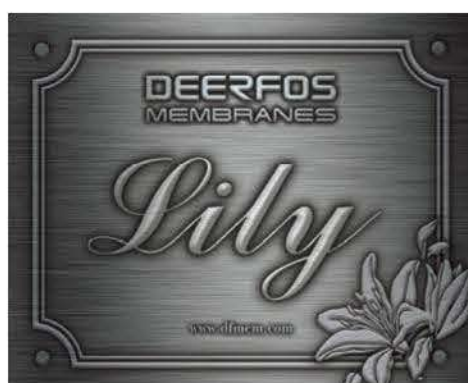
Membrane Configuration	Hollow fiber
Membrane Material	PVDF (Polyvinylidene fluoride)
Membrane Nominal Pore size	0.01 μ m
Design Flux	1,500 ~ 2,000 L/hr
Operation Mode	Filter / Fast Rinse / Back Wash
Flow Direction	Outside to Inside
Dimensions / Weight	ϕ 166 x 855(H) mm / 8.7 kg
Housing Material	STS 304

Section 2. Operating parameters

Working Temperature		5 ~ 45 ℃
Pressure	Membrane	15 ~ 100 PSI
	Housing	125 PSI(Maximum)
Operating pH		5 ~ 9
Filtrate Turbidity		< 0.1 NTU
Bacterial Removal		> 4 log

Advantages of Lily

- **Easy to install / Easy to operate**
just connect the pipes / set the handle to position
- **Very good water quality**
Lily provides very good water quality with DEERFOS MEMBRANES's hollow fiber.



DEERFOS MEMBRANES Products

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DEERFOS
MEMBRANES

OUTDOOR FILTRATION SYSTEM Lily

Lily Series is a UF membrane filter has pores of 0.01 micrometer size. The countless micropores distributed on the surface of the hollow fiber membrane completely remove contaminants such as suspended solids and bacteria in the water, providing clean and healthy water to customers.



This is applicable even for household with slow water flow.



The 3-way valve allows for easy to mode switching between filter, backwash, rinse

Lily provides your home with an incredible flow rate of 1500~2000L/H, allowing you to replenish water quickly at any time.

Membrane Configuration	Hollow fiber
Membrane Material	PVDF (Polyvinylidene fluoride)
Membrane Nominal Pore size	0.01 μ m
Design Flux	1,500 ~ 2,000 L/hr
Operation Mode	Filter / Fast Rinse / Back Wash
Flow Direction	Outside to Inside
Dimensions / Weight	ϕ 166 x 855(H) mm / 8.7 kg
Housing Material	STS 304

Comparison of Lily with other systems



	Lily (Ultra Filtration)	Micro Filtration	Multi-Media Filtration
Filtrating level (pore size)	0.01um	0.1-10um	5-15um
Bacteria removal	O	X	X
Flushing speed	Fast	Normal	Slow
Cost of maintenance	Low	Normal	High

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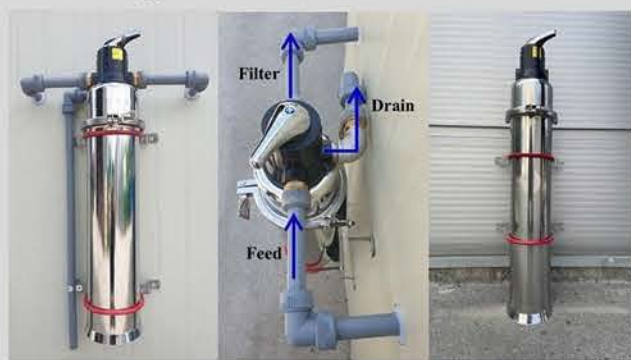
Lily

Setup/Installation Instructions

DEERFOS
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- ◆ Lily always provide clean water to your home with an incredible flow rate.

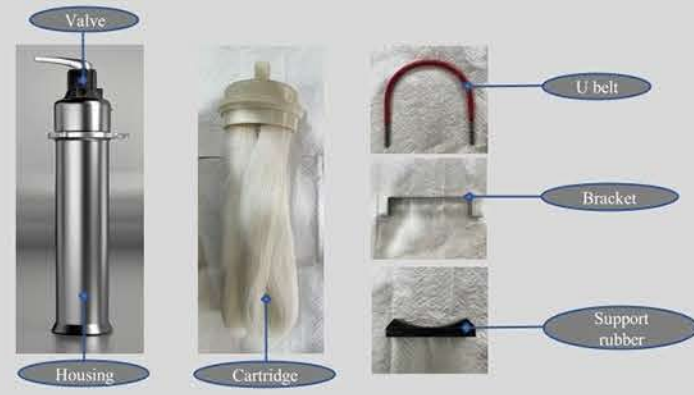
- ◆ Installed appearance
- Connection pipe size : JIS 25A (male thread 33.2mm)



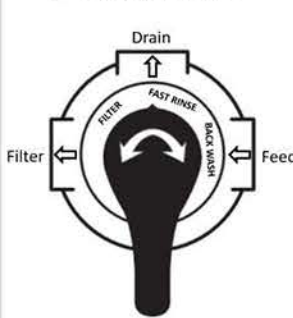
- ◆ How to assemble



- ◆ Component



- ◆ Direction for use



- ★ When using Lily for the first time, Turn controller handle to "Fast rinse" 10 minutes.

- ▷ Turn controller handle to "Filter" for normal usage position.
- ▷ Turn controller handle to "Back wash" once a week for 1-2 minutes. (Back wash frequency depends on water quality)
- ▷ Turn controller handle to "Fast rinse" for 2 minutes after Back wash.
- ▷ The 3-way valve allows for easy to mode switching between Filter, Fast rinse, Back wash.

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Standard Module Specifications/ Thông số kỹ thuật

Section 1. Specifications/ Thông số kỹ thuật

Membrane Configuration/ Loại màng	Hollow fiber/ Sợi rỗng
Membrane Material/ Vật liệu màng	PVDF (Polyvinylidene fluoride)
Membrane Nominal Pore size/ Kích thước lỗ màng	0.01 μ m
Design Flux/ Lưu lượng thiết kế	1,500 ~ 2,000 L/hr
Operation Mode/ Chế độ hoạt động	Filter/ Fast Rinse/ Back Wash Loc/ Rửa nhanh/ Rửa ngược
Flow Direction/ Hướng dòng chảy	Outside to Inside
Dimensions/ Weight - Kích thước/ Trọng lượng modul	ϕ 166 x 855(H) mm/8.7 kg
Housing Material/ Vật liệu vỏ màng	STS 304

Section 2. Operating parameters/ Thông số vận hành

Working Temperature/ Nhiệt độ		5~45°C
Pressure/ Áp suất	Membrane/ Màng	15~100 PSI
	Housing/ Vỏ	125 PSI(Maximum)
Operating pH/ pH hoạt động		5~9
Filtrate Turbidity/ Độ đục		<0.1 NTU
Bacterial Removal/ Loại bỏ vi khuẩn		> 4 log

Advantages of Lily/ Ưu điểm của Lily

Easy to install/ Easy to operate	Dễ lắp đặt/ Vận hành
Just connect the pipes/ set the handle to position	Chỉ cần kết nối ống/ định vị đặt vào khớp
Very good water quality	Chất lượng nước đầu ra tốt
Lily provides very good water quality with DEERFOS MEMBRANE'S hollow fiber.	