

# **External Pressure** Dead-end Filtration Type **POREFLON™Module**

### Features

### [Large volume water treatment]

This system is optimal for applications that require large volume treatment with relatively low turbidity. \*General industrial wastewater treatment, water-insoluble oil-contaminated wastewater, water purification (ground water, surface water, etc.) [Durability]

Poreflon hollow fiver that has a high tensile strength is durable against shaking and flexing allows use for extended periods

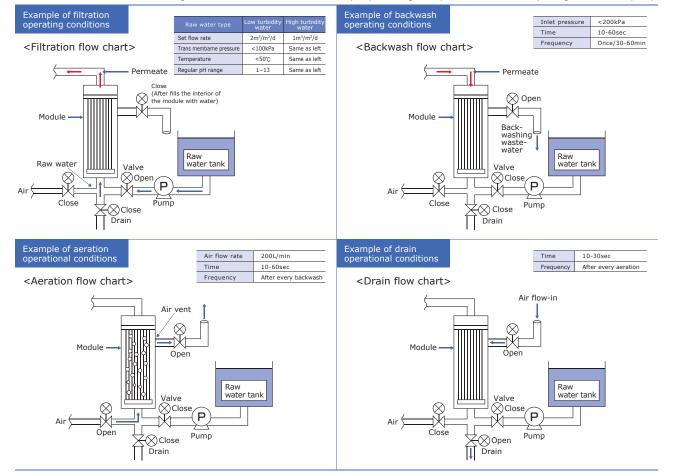
[Compatible with a wide range of wastewater] Stable treatment capacity is achieved even for wastewater that contains oil and refractory organicmatter.

[Chemical resistance]

The module can be cleaned with chemicals from pH0 to 14, including high-concentration alkalis. It has a well flow rate recovery.



\*The following conditions are for reference use and may require changes in operational conditions depending on raw water quality.



### Standard chemical cleaning conditions

CEB(Chemical Enhanced, Bac	kwash)			
	Chemical concentration	Cleaning duration	Cleaning guideline	
Target:Organic foulant	100 - 500mg/L NaOH+250~500mg/L NaClO(mixture)	30 min - 1 hours	1 - 4 times per day	
Target:Inorganic foulant	100 - 1000mg/L HCl, H₂SO₄, Citric acid	50 11111 - 1 110015	1 - 4 times per day	
CIP-1(Maintenance cleaning)				
	Chemical concentration	Cleaning duration	Cleaning guideline	
Target:Organic foulant	0.5 - 1.0% NaOH+300~3000mg/L NaClO(mixture)	1 - 6 hours	Every 2 - 4 weeks	
Target:Inorganic foulant	0.5 - 2.0% HCI, H₂SO₄, Citric acid	1 - 0 110013	Lvery 2 - 4 Weeks	
CIP-2(Recovery cleaning)				
	Chemical concentration	Cleaning duration	Cleaning guideline	
Target:Organic foulant	1.0 - 4.0% NaOH+500~5000mg/L NaClO(mixture)	2 - 12 hours	Every 1 - 6 months	
Target:Inorganic foulant	1.0 - 4.0% HCI, H <sub>2</sub> SO <sub>4</sub> , Citric acid(1 - 3%)	2 - 12 110015	Lvery I - O MONUNS	

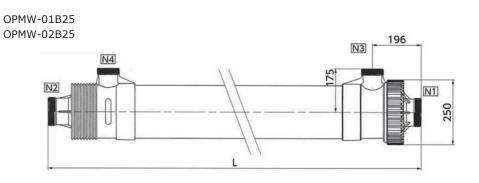
\* Cleaning conditions vary depending on the quality of the waste water to be treated and operating conditions.

# Standard specification List (All filtration membranes are made of PTFE)

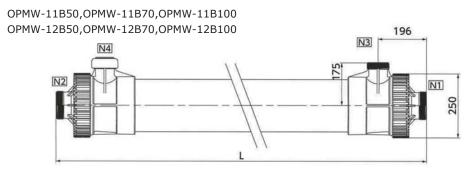
					Externa	l pressure de	ad-end filtrat	ion type		
Model No.		OPMW								
			-01B25	-11B50	-11B70	-11B110	-02B25	-12B50	-12B70	-12B100
	Nominal pore size	μm	0.08	0.08	0.08	0.08	0.1	0.1	0.1	0.1
	Inner diameter	mm	1.1	1.0	1.0	1.0	1.1	1.0	1.0	1.0
Manakara	Outer diameter	mm	2.3	2.0	2.0	2.0	2.3	2.0	2.0	2.0
Membrane	Membrane area	m²	25	50	70	100	25	50	70	100
	Material		PTFE							
	Hydrophilic treatment		Hydrophilic							
	Сар					ABS	resin			
Material	Potting Supporting bar		Heat & chemical-resistant epoxy resin							
Material			PVC resin	VC resin –		PVC resin				
	Outer cashing					ABS	resin			
Dimensions	Length	mm	1330	1800	2400	3300	1330	1800	2400	3300
Dimensions	Bottom section	mm				Diamete	er:212			
	Filtration method				Exter	nal pressure	dead-end filt	ration		
	Trans	Filtration				<10	OkPa			
Operating	membrane pressure Backwash	<20	<200kPa							
condition	Maximum temperature limit	°C				50	)*			
	Operating pH range		0-14							
	Cleaning pH range		0-14							

 $\,$  \* If operating temperature is over 50 degrees centigrade, please feel free to ask us.

## Figure of external form



Module type	L(mm)
OPMW-01B25,OPMW-02B25	1330
OPMW-11B50,OPMW-12B50	1800
OPMW-11B70,OPMW-12B70	2400
OPMW-11B100,OPMW-12B100	3300



Sign	Connection joint	
N1	65A	Permeate outlet, Backwash water inlet
N 2	65A	Raw water inlet, Air inlet, Drain outlet
Ν3	50A	Air outlet, Backwasher water Outlet
N4	(Not in use)	Blind (Not in use)

\*POREFLON<sup>™</sup> Module and related technical information may be subject to control such as the Export Trade Control Ordinance. Please note that you are responsible for taking the necessary procedure including application for an export permission in cases where this product is applicable to the products subject to control.

Specifications are subject to change without notice.

