

CFM-540B-M0.1

Ceramic Flat Membrane

Introduction

◆ Ceramic flat sheet membranes are high-performance inorganic porous elements sintered at high temperature from alumina, titania and other raw materials. Adopting an asymmetric multi-layer structure, they support microfiltration and ultrafiltration separation. They feature outstanding chemical corrosion resistance, thermal stability, high mechanical strength and excellent antifouling ability. With stable flux and long service life, they are widely applied in MBR, industrial and municipal wastewater treatment, water purification and seawater desalination pretreatment.

Application

- ◆ Drinking water purification
- ◆ Municipal wastewater treatment
- ◆ Industrial wastewater treatment
- ◆ Membrane bioreactor (MBR) system
- ◆ Seawater & brackish water desalination pretreatment

Features

- ◆ High flux (500-2600 LMH)
- ◆ Long Service Life (10-15 years)
- ◆ High Porosity ($\geq 40\%$)
- ◆ High Strength (>50 Mpa)
- ◆ Eco-friendly Materials
- ◆ Stable Chemical Performance



Product Specifications

Model	CFM-540B-M0.1
Membrane Area (m ²)	0.250
Size (mm)	540*260*12
Weight (kg)	1.25
Water Outlet	Conducting/Hose Connection
Operating Temperature (°C)	0-85
pH Range	2-12
Material	Al ₂ O ₃
Typical Pore Size of Membrane Layer	30-200nm
Flexural Strength	>50 Mpa
Porosity	>40%
Hardness	>4(Mohs)
Pure Water Flux	500-2600 LMH
Endcap Material	PPO/PPS
Adhesive	PU/Epoxy

Dimensions

