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eZee-CAP-40LD

Ultra Filtration Module



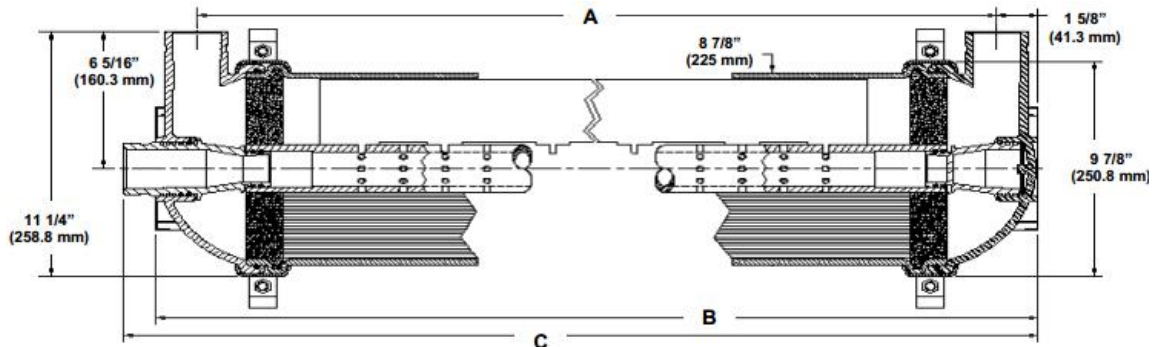
Hollow Fiber Multibore Capillaries

Filtrate Flow: 1500 LPH to 2300 LPH



Technical Specifications

Model	eZee Cap40LD
Hollow Fiber Material	Modified PVC/ PVDF
Hollow Fiber ID/OD	1.0mm/1.7mm
MWCO	100K Dalton (0.01µm)
Surface Area	30 m ²
Filtration Method	Pressurized type, Inside-to-Out
Design Flux	59 ~ 145 L/m ² .hr
Housing Material	UPVC (White)
Potting Material	Epoxy Resin
Connection Port Size	DN50 (63mm)



A, inches (mm)	B, inches (mm)	C, inches (mm)	Pipe connections	Weight, lbs. (kg) ave.
43 (1092)	46 1/8 (1172)	47 1/4 (1200)	2" Victaulic	63 (28)

Operation Condition

Operation Mode	Cross-flow / Dead-end
Sealing	Leak Proof
Preatment	50 ~ 150 µm
Working Pressure	0.02 ~ 0.2 Mpa
Max. Feed Pressure	0.3 MPa
Max. TMP	0.2 MPa
Feed pH Range	2 ~ 12
Max. Allowable Concentration of Free Chlorine (Long Time)	100 ppm
Max. Allowable Concentration of Free Chlorine (Short Time)	200 ppm
Operation Temperature	5°C ~ 45°C
Feed Water Quality	≤ 15NTU (If the raw water is surface water, river water or well water etc, should add cartridge filter 50 ~ 150µm to make UF feed turbidity ≤15NTU)

Permeate Water Quality

*Permeate Water Turbidity	< 0.1 NTU
*SDI	< 1
Particles (>0.2µm)	100% Removal
Microorganism, Pathogen	99.99% Removal

Backwash Design

Backwash Frequency	every 30 - 60min
Backwash Pressure	≤0.2Mpa
Backwash Flux	100 ~ 150 L/ hr.m ²
Chemical Enhanced Backwash Frequency	0 ~ 4 times per day
Chemical Enhanced Backwash Duration	1 ~ 30 minutes
Backwash Dosing Chemical	15 ~ 20 Ppm NaClO
Chemical Dosing Frequency	Advise chemical dosing for each backwash automatically

Chemical Clean Design

Chemical Cleaning Frequency	Every 1 ~ 4 months
Acid Cleaning Chemical	Citric Acid, Oxalic Acid or Hydrochloric Acid (PH=2)
Alkali Cleaning Chemical	0.5% NaOH + 0.1% NaClO (PH=12)

Note: * take turbidity <5NTU standard tap water as raw water for testing.