



4-20 gfd (7-34 lmh)

NaOCI or Citric Acidd

30 gfd (51 lmh)

2.4 gfd (4 lmh)

2.4 gfd (4 lmh)

NaOCI<sup>d</sup>

## **Submerged Microfiltration Membrane Module**

	HYDRAsub <sup>®</sup> - MBR	HSM75-ES-HSE15
Module Specifications	Configuration: Fiber Orientation: Filtrate Flow: Membrane Polymer: Pore Size (nominal): Number of Elements in Module: Nominal Membrane Area per Module: Permeate Connections: Air Connections: Guide Pipe Connections: Typical Module Dry Weight: Typical Module Wet Weight:	Submerged Membrane Vertical Bi-directional Polyvinylidene Flouride (PVDF) 0.4 µm 5 (15 m² each) 807 ft² (75 m²) (2)- 2" MNPT (2)- 1 1/2" MNPT (2)- to fit 2.5" pipes 281 lbs (127 kg) 386 lbs (175 kg)
Operating Specifications	Maximum Trans Membrane Pressure (Vacuum): Maximum Backwash Trans Membrane Pressure Maximum Instantaneous Chlorine Concentration: Maximum Chlorine Tolerance: MLSS Range: Operating Temperature Range: Feed Water pH Range: Cleaning pH Range: Operating Mode:	1 - 3 (-

**Typical** 

**Process** 

**Conditions** 

Operating Filtrate Flux<sup>†</sup>:

Clean In Place (CIP) Flux:

Chemically Enhanced Backwash (CEB) Flux:

Peak Operating Flux<sup>†</sup>:

**CEB Chemicals:** 

CIP Chemicals:

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<sup>† -</sup>Depends on temperature and application.

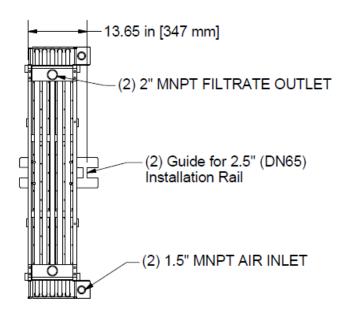
a -For a maximum of 2 hours. b- Maximum chemical tolerance for estimated life span of membrane.

c -In membrane tank at steady state for municipal wastewater.
d- Refer to operating manual for chemical concentrations and cleaning frequencies.

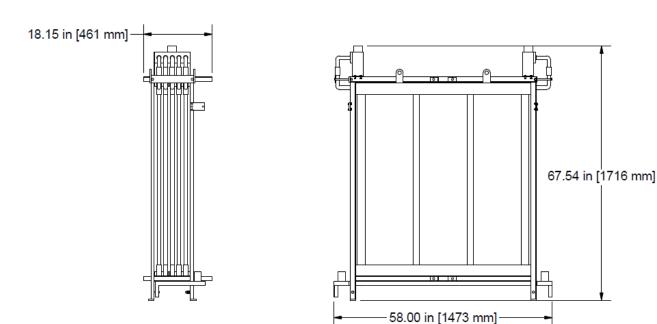




## HSM75-ES-HSE15



**Top View** 



Side View Front View

Note: Cage is made of stainless steel 304. Connections are in English units. For more detailed drawings, contact Hydranautics.