

Pressurized UF Specification

6" Module Series – TIPS Fiber

Memstar pressurized ultrafiltration (UF) hollow fiber modules combine advanced engineering concepts and best-in-class TIPS fiber technology to provide the highest performing ultrafiltration products in the market. These products are used in hundreds of plants globally to remove suspended solids, including bacteria, viruses, and organic and inorganic compounds. Typical applications include the treatment of tertiary wastewater, surface water, and seawater for reverse osmosis (RO) pre-treatment.

Key Features and Benefits

- High mechanical strength = Long life
- Extreme caustic and oxidant tolerance = Long life, challenging applications
- Industry leading membrane surface area = Fewer racks, smaller footprint
- No backwash = High recovery, less waste, lower CAPEX

Module Specifications

Module Types	UF-0610ET	UF-0615ET	UF-0620ET
Membrane Material	PVDF (TIPS)		
Nominal Pore Size (µm)	0.04		
Filtration Mode	Outside-In		
Housing Material	uPVC/ABS		
Potting Material	Epoxy/Polyurethane		
Filtration Surface Area (m ²) [ft ²]	25 [269]	40 [430]	50 [538]
Typical Filtrate Flowrate (m ³ /hr) [gpm]	1.0 – 3.0 [4.4 – 13.2]	1.6 – 4.8 [7.0 – 21.1]	2.0 – 6.0 [8.8 – 26.4]
Column volume (L) [gal]	11 [2.9]	15 [4]	20 [5.3]
Empty Weight (kg) [lbs]	17 [37.5]	25 [55.2]	31.5 [69.5]
L1 (mm) [inches]*	1,331 [52.4]	1,806 [71.1]	2,276 [89.6]
L2 (mm) [inches]*	1,065 [41.9]	1,540 [60.6]	2,009 [79.1]
L3 (mm) [inches]*	911 [35.8]	1,386 [54.6]	1,855 [73.1]
L4 (mm) [inches]*	165 [6.5]		
R (mm) [inches]*	160 [6.3]		
A**	Spare port – DN40		
B**	Concentrate port – DN40		
C**	Filtrate port – DN40		
D**	Feed/Drain/Air Inlet port – DN40		

*Approximate dimensions. Check with Memstar for the most up-to-date values and applicable drawings.

** Dimension already include the 6-s adaptor for ANSI compatibility. Adaptors will be shipped as accessories and need to be installed onsite as per requirement.



