

## Pressurized UF Specification

### 10" Module Series - 3G TIPS

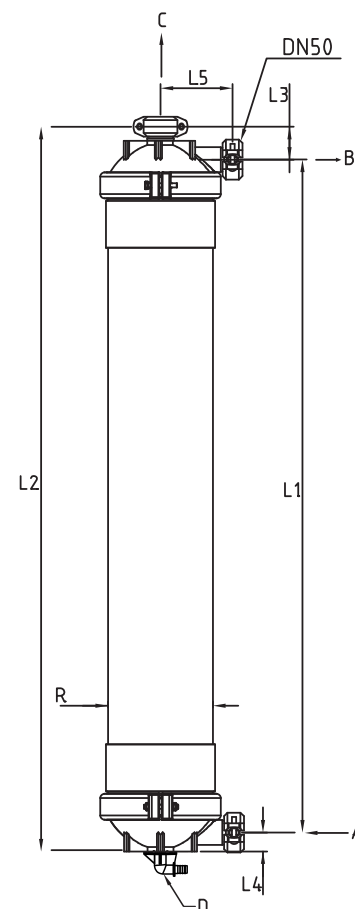
Memstar pressurized ultrafiltration (UF) hollow fiber modules combine advanced engineering concepts and best-in-class TIPS fiber technology to provide the highest performing ultrafiltration products in the market. Our pressurized UF modules are used to remove suspended solids, including bacteria, viruses, and organic and inorganic compounds. Typical applications include the treatment of tertiary wastewater, surface water, and seawater for 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 Type	UF-1010ET	UF-1015ET	UF-1020ET
Membrane Material	PVDF (TIPS)		
Nominal Pore Size (um)	0.04		
Filtration Mode	Outside-in		
Housing Material	uPVC/ABS		
Potting Material	Epoxy/Polyurethane		
Filtration Surface Area (m <sup>2</sup> ) [ft <sup>2</sup> ]	55 [592]	80 [861]	120 [1,290]
Typical Filtrate Flowrate (m <sup>3</sup> /hr) [gpm]	3 - 3.9 [13 - 17]	4.4 - 5.6 [19 - 25]	6.6 - 8.4 [29 - 37]
Column volume (L) [gal]	25 [6.6]	40 [10.6]	55 [14.5]
Weight (kg) [lbs]	35 [77]	44 [97]	54 [119]
L1 (mm) [inches]*	1,073 [42.2]	1,606 [63.2]	2,106 [82.9]
L2 (mm) [inches]*	1,195 [47]	1,730 [68.1]	2,230 [87.8]
L3 (mm) [inches]*	79 [3.1]		
L4 (mm) [inches]*	45 [1.8]		
L5 (mm) [inches]*	172 [6.8]		
R (mm) [inches]*	250 [9.8]		
A	Feed/Drain Port - DN50		
B	Filtrate Port - DN50		
C	Concentrate Bleed Port - DN50		
D	Air Inlet Port - Ø25/19		



\*\* DN50 clamps not included

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

