

QuantumFlux™

Product Data Sheet

Pressurized UF Membrane Dimension Parameters

LG QuantumFlux™ UF hollow fiber membranes are manufactured using Polyvinylidene Fluoride(PVDF) chemistry through the TIPS* process, ensuring exceptional chemical and mechanical durability. These membranes are offered in a range of module configurations, allowing users to select the optimal setup for new projects and enabling seamless retrofit in existing installations.

*TIPS: Thermally Induced Phase Separation

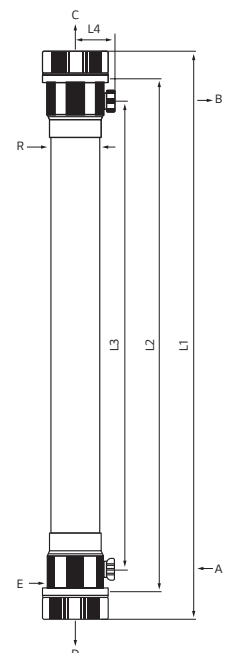
Material Specifications

Membrane Material: PVDF (TIPS) | Pore Size: 0.04 µm
 Housing Material: uPVC/ABS | Potting Material: Epoxy/Polyurethane

6" Module Series

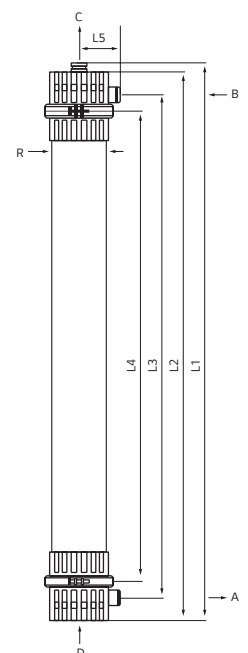
Module Types	QuantumFlux™ P0615-S QuantumFlux™ P0615-D	QuantumFlux™ P0620-S QuantumFlux™ P0620-D
Filtration Surface Area (m ²) [ft ²]	40 [430]	50 [538]
Column Volume (L) [gal]	15 [4]	20 [5.3]
Empty Weight (kg) [lbs]	22 [49]	30 [66]
L1 (mm) [inches]*	1,730 [68.1]	2,200 [86.6]
L2 (mm) [inches]*	1,540 [60.6]	2,009 [79.1]
L3 (mm) [inches]*	1,386 [54.6]	1,855 [73.1]
L4 (mm) [inches]*	130 [5.1]	130 [5.1]
R (mm) [inches]*	160 [6.3]	160 [6.3]

Port Configuration	QuantumFlux™ P0615-S QuantumFlux™ P0620-S	QuantumFlux™ P0615-D QuantumFlux™ P0620-D
Port A (mm) [inches]*	Spare Port	Feed/Discharge-DN 32 [1 1/4]
Port B (mm) [inches]*	Concentrate-DN32 [1 1/4]	Concentrate-DN 32 [1 1/4]
Port C (mm) [inches]*	Filtrate-DN32 [1 1/4]	Filtrate-DN32 [1 1/4]
Port D (mm) [inches]*	Feed/Drain/Air Inlet-DN32 [1 1/4]	Filtrate-DN32 [1 1/4]
Port E	N/A	Air Inlet-Φ12/9.5



9" Module Series

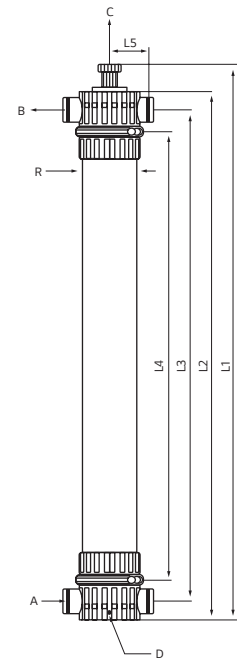
Module Types	QuantumFlux™ P0915-S	QuantumFlux™ P0920-S
Filtration Surface Area (m ²) [ft ²]	51 [549]	77 [829]
Column Volume (L) [gal]	35 [9.2]	39 [10.3]
Empty Weight (kg) [lbs]	47 [104]	63 [139]
L1 (mm) [inches]*	1,860 [73.2]	2,360 [92.9]
L2 (mm) [inches]*	1,820 [71.7]	2,320 [91.3]
L3 (mm) [inches]*	1,630 [64.2]	2,130 [83.9]
L4 (mm) [inches]*	1,500 [59.1]	2,000 [78.7]
L5 (mm) [inches]*	180 [7.1]	
R (mm) [inches]*	225 [8.9]	
Port A (mm) [inches]*	Influent/Discharge DN50 [2]	
Port B (mm) [inches]*	Concentrate DN50 [2]	
Port C (mm) [inches]*	Filtrate DN50 [2]	
Port D	Air Inlet-3/8"	



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

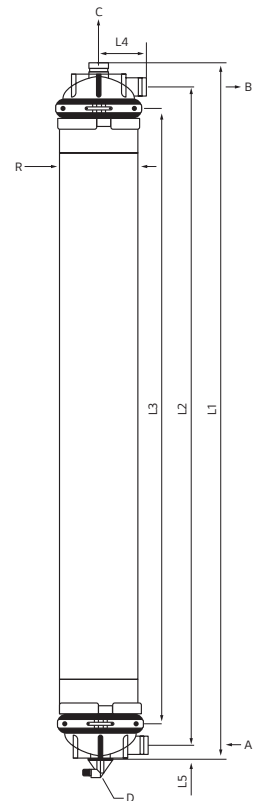
9" IP Module Series

Module Types	QuantumFlux™ P0915-IP	QuantumFlux™ P0920-IP
Filtration Surface Area (m ²) [ft ²]	51 [549]	77 [829]
Column Volume (L) [gal]	49 [12.9]	53 [14.0]
Empty Weight (kg) [lbs]	53 [116]	66 [145]
L1 (mm) [inches]*	1,988 [78.2]	2,488 [97.9]
L2 (mm) [inches]*	1,864 [73.4]	2,364 [93.1]
L3 (mm) [inches]*	1,689 [66.5]	2,189 [86.2]
L4 (mm) [inches]*	1,500 [59.1]	2,100 [78.7]
L5 (mm) [inches]*	180 [7.1]	
R (mm) [inches]*	225 [8.9]	
Port A (mm) [inches]*	Feed/Discharge DN100 [1 1/4]	
Port B (mm) [inches]*	Concentrate DN100 [1 1/4]	
Port C (mm) [inches]*	Filtrate DN40 [1 1/2]	
Port D	Air Inlet-3/8"	



10" Module Series

Module Types	QuantumFlux™ P1010-S	QuantumFlux™ P1015-S	QuantumFlux™ P1020-S
Filtration Surface Area (m ²) [ft ²]	55 [592]	80 [861]	120 [1,290]
Column Volume (L) [gal]	25 [6.6]	40 [10.6]	55 [14.5]
Empty Weight (kg) [lbs]	35 [77]	44 [97]	54 [119]
L1 (mm) [inches]*	1,195 [47]	1,730 [68.1]	2,230 [87.8]
L2 (mm) [inches]*	1,072 [42.2]	1,607 [63.3]	2,109 [83]
L3 (mm) [inches]*	975 [38.4]	1,510 [59.5]	2,012 [79.2]
L4 (mm) [inches]*	173.5 [5.1]		
L5 (mm) [inches]*	45 [1.8]		
R (mm) [inches]*	250 [9.8]		
Port A (mm) [inches]*	Feed/Drain DN50 [2]		
Port B (mm) [inches]*	Filtrate DN50 [2]		
Port C (mm) [inches]*	Concentrate Bleed DN50 [2]		
Port D	Air Inlet-Ø 25/19		



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

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