

# ZeeLung\* 2.0 Cassette

## FACT SHEET

WATER TECHNOLOGIES



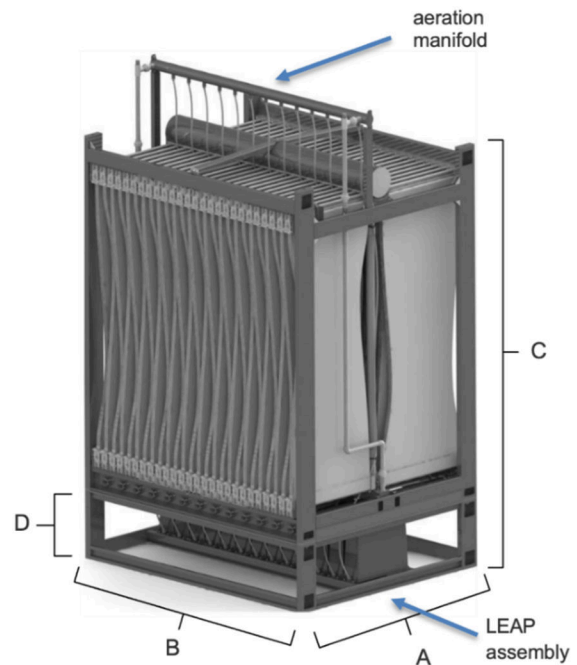
### Description and Use

Veolia's ZeeLung is a next generation biofilm product that enables a suite of wastewater process intensification technologies.

ZeeLung uses a gas transfer membrane and constructed with unique properties to enhance biofilm attachment and product reliability with a reinforced core.

The ZeeLung 2.0 Cassette houses ZeeLung modules for simple installation in existing or new bioreactor tanks. The ZeeLung Cassette includes the system connections required to connect ZeeLung technology to the plant aeration system.

ZeeLung technology delivers oxygen at four-times greater efficiency than conventional bubble aeration, resulting in significantly lower energy consumption for biological treatment



### Operating Specifications

Product	Air Flow Nm <sup>3</sup> /h (scfm)	Air Pressure at Cassette kPa (psi)
52M	10-20 (5.9-11.9)	45-55 (6.5-8.0)

### Dimensions

Product	Width, A mm (in)	Length, B mm (in)	Height, C <sup>1</sup> mm (in)	Height, D <sup>2</sup> mm (in)
52M	1,744 (69)	2,150 (85)	3,064 (121)	504 (20)

<sup>1</sup> Aeration manifold is mounted above cassette frame; height of the manifold is project-specific and varies with tank liquid level

<sup>2</sup> LEAP assembly is packaged separately and field mounted

### Tie-Points & Weight

Product	Number of Modules <sup>3</sup>	System Connections	Max Shipping Weight <sup>4</sup> kg (lb)	Max Lifting Weight <sup>5</sup> kg (lb)
52M	52	Air: G 1 inch Exhaust: Rp 0.5 inch Condensate: Rc 0.5 inch	Cassette: 1,350 (3,000) LEAP Assembly: 180 (400) Under Hook: 1,740 (3,840)	4,533 (10,000)

<sup>3</sup> Cassettes are available fully populated only

<sup>4</sup> Cassette & LEAP assembly include shipping crate; under hook includes cassette, LEAP assembly, typical supporting hardware and lifting bracket

<sup>5</sup> Includes cassette, LEAP assembly, typical supporting hardware, lifting bracket and biomass