

# APPLIED<sup>®</sup> SYSTEMS USA

## Series LC - Membrane Degasifier Systems

### Membrane Contactor Degasifier Systems

AMI membrane contactor degasifier systems use Liqui-Cel<sup>®</sup> microporous hollow fiber membranes to remove gases from liquids. During typical operation, liquid flows over the shellside (outside) of the hollow fibers while a vacuum is applied to the lumenside (inside) of the fibers. The dissolved gas is forced through the membrane pores and is carried away by the vacuum pump.

### Uses

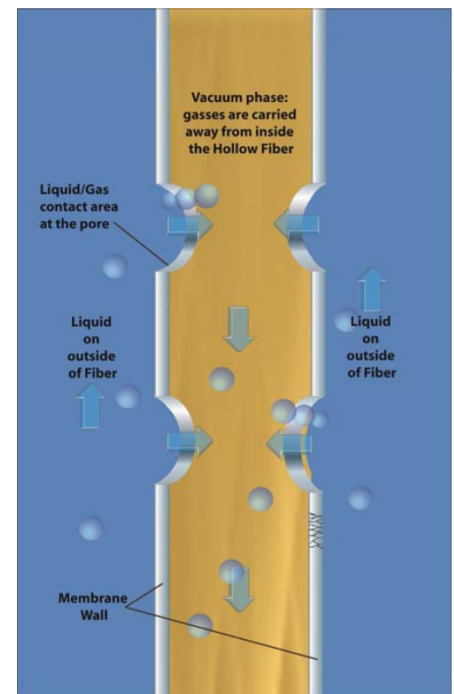
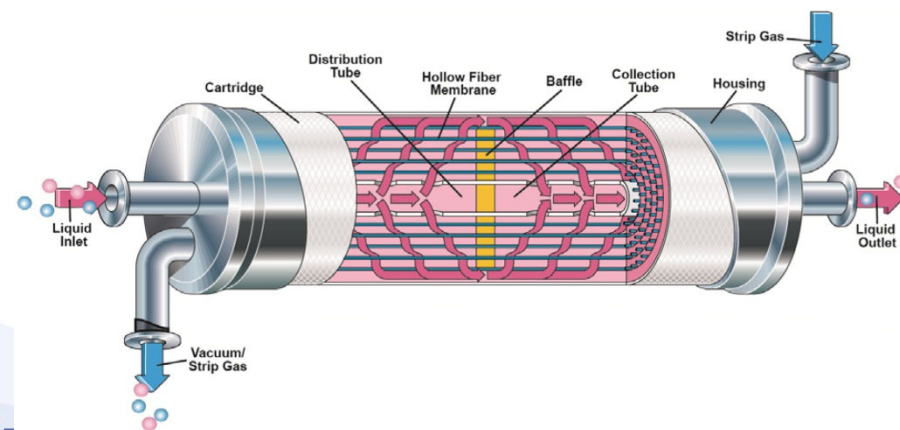
- Deoxygenation
- Decarbonation
- Carbonation
- Nitrogenation
- Hydrogenation
- Debubbling
- Hydrogen Sulfide Removal
- VOC Removal
- Osmotic Distillation
- Liquid/Liquid Extraction
- Humidification Gases
- Dealcoholization
- Ammonia Removal
- Many More

### Key Features

- Over 38 years of water treatment experience is reflected in our quality
- Modular design offering flexibility for meeting future capacity
- Maximized surface area/volume for high performance and space efficiency
- Compact, heavy duty, powder coated frame
- Factory tested to ensure trouble-free operation
- Simple installation and operation

### Applications

- Semiconductor/Microelectronics
- Boiler Feedwater
- Power Generation
- Flat Panel/TFT Displays
- Food & Beverage
- Pharmaceutical
- Ink Jet Inks
- Offshore injection water
- Medical/Analytical
- General Industrial
- Solar Panels
- Aquifer Storage
- Photographic
- Plating/Coatings
- Eye Care Products
- Many More



**APPLIED MEMBRANES INC.<sup>®</sup>**

Industry Leader in RO Expertise and Membrane Applications Since 1983™



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### Standard Equipment

- Liqui-Cel<sup>®</sup> Membrane Contactors
- Air Blower
- Inlet Air Filter
- Inlet Air Flow Meter
- Air Flow Control Valve
- Liquid Trap
- Vacuum Relief Valve
- In & Out Water Pressure Gauges
- Water Pressure Relief Valve
- In & Out Isolation Valves
- Drain Valve

### Ordering Information

Model No.	System Capacity		Membrane Contactors		Line Size (NPT, Inches)	System Dimensions (in/cm)			Approx. Shipping Weight (Lb/Kg)
	GPM	m <sup>3</sup> /hr	Qty.	Size (Dia.×L)		Width	Depth	Height	
<b>LC8X20</b>	5-50	1.1-11	1	8" × 20"	1"	20/51	28/71	66/168	400 lbs
<b>LC28X20</b>	50-100	11-23	2	8" × 20"	2"	20/51	28/71	66/168	450 lbs

### Optional Equipment

Please note that optional equipment will increase system dimensions and/or weight.

- pH Sensor (A225)
- PLC Option (A350)
- Flow Sensor/Transmitter (A153)
- Crating

### Notes

- All dimensions and weights are approximate.
- System feed water must be pretreated down to 5 micron filtration level.
- Minimum and maximum feed flows as specified.
- Systems rated at 77°F (25°C) using RO permeate water. System capacity changes with degasification requirements. For higher degas requirements, a water analysis must be supplied and could result in modifications to the system.
- RO system is recommended for pretreatment. Contact us for additional details on your specific application.

### Voltage/ Ordering Information

Please add our voltage codes to the end of the model number when ordering.

Example: 1-**116** = 110v, 1 ph, 60 hz.

- Voltage Codes:
- **116** = 110v, 1ph, 60hz
  - **215** = 220/230v, 1ph, 50hz  
Three Phase Not Available
  - **216** = 220/230v, 1ph, 60hz

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