



Air Diffusion Systems

Fine Bubble Aeration For Water & Wastewater Treatment

**Stainless Steel Disk Aeration Module
Specification for Treatment of Water and Wastewater
Models DM-LTC and DM-LWA 1.5**

Components:

100 ft of LDPE 1% Carbon Black Weighted Fine Bubble Aeration Tubing
304 Stainless Steel Welded Frame, Tube Holders and Hardware
Vinyl-Coated Aircraft Cables and HDPE Floatation Marker
HDPE Compression Connectors and Feeder Restraint Sleeve

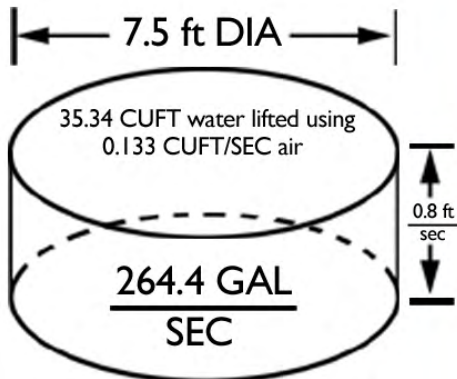
	Model LTC	Model LWA1.5
Nominal Dimensions:	4 foot diameter by 3 inch high (1.2m diameter by 8cm high)	4 foot diameter by 3 inch high (1.2m diameter by 8cm high)
Nominal Weight:	38 pounds (17Kg)	38 pounds (17Kg)
Optimum Air Supply:	8.1 SCFM	2.7 SCFM
Maximum Air Pressure:	100 PSI	100 PSI
Fluid Turnover Rate @15 ft Water Depth	>20 MGD	>7 MGD
Product Warrantee:	5 + years	5 + years



**Air Diffusion Systems
NEW LTC DISK MODULE**

Estimated Pumping Rate:
Each LTC Disk located
in 15 ft (4.6m) WD or deeper
will pump a column of water
equal to 7.5 ft DIA (2.3m)
with rise rate of 0.8 foot per
second (0.25m/s). That is over
20 Million Gallons per Day
(75,700m³/d).

NOTE: 8 CFM of oil-less air is delivered to
each disk. That is equal to 0.133 cubic fps



$$\text{VOLUME} = \pi r^2 h$$

$$\pi(3.75')^2(0.8') = 35.34 \text{ CUFT/SEC}$$

$$\times \underline{86,400 \text{ SEC/DAY}}$$

$$3,053,628 \text{ CUFT/DAY}$$

$$\frac{3,053,628 \text{ CUFT/DAY}}{\times \underline{7.48 \text{ GALS/CUFT}}}$$

$$22,841,137 \text{ MGD}$$

over 20 MGD
(75,700 m³/d)

