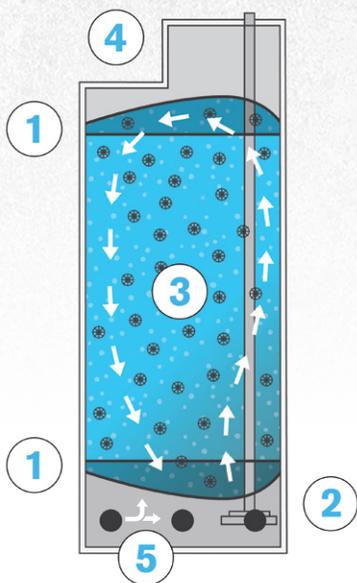


WEXCO ALPHA HYDRA MINI-ALPHA



ALPHA HYDRA



DETAILS

- Custom designed and built to match your existing or new tank.
- With a 16" diameter, this unit can fit down standard manholes.
- Directional flow provides gentle mixing of the tank, which increases settling of solids.
- Remove up to 1.5 lbs BOD/day/unit.
- Economical for systems up to 6 lbs BOD with up to 4 units in one tank.
- Can be used as pre-aeration to struggling treatment systems.
- High efficiency aeration provides low operating cost.

1. ROUNDED SIEVE CAP INSERT

2. AIR DIFFUSER

3. BIOCARRIERS

4. DIRECTIONAL FLOW OPENING

5. INFLUENT ENTERS IN THROUGH BOTTOM

The flexible configuration of the Alpha System can be custom designed to retrofit almost any existing or new installation. It is specifically designed to remove BOD for low flow systems such as small restaurants or taverns. This new innovative design has the **lowest installation and operating cost** on the market.

THE **BENEFITS** OF ALPHA HYDRA

Retrofit capabilities (in existing tanks).

Large surface area of biofilm carriers compared to other treatment technologies.

Means you can do more in a smaller space.

Self-regulating biofilm ensures stability under shock loading conditions.



Biofilm growth on media surface

Energy efficient linear compressors keep operating expense low.

Quick and economical installation, operator friendly, virtually maintenance free.

Can pretreat ahead of existing treatment if loading is too high.

Passive denite in some configurations.

Retrofit or drop into existing tanks.

Units are custom sized to fit loading and tank configuration.

Directional flow reduces stirring of tank & facilitates better settling than similar units on the market.

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ALPHA HYDRA

THE **SMARTER** TREATMENT SOLUTION

Wexco Alpha Hydra (moving bed bioreactor) utilizes small biofilm carriers which provide a stable home for large populations of bacteria to grow and treat the wastewater. That, coupled with time tested aeration equipment, creates an **efficient treatment process** which can be used in most applications.



WHY USE ALPHA HYDRA?

Can work for small flows (hundreds of gallons per day) and **easily scales** to large flows (million gallons per day).

Flexible install, below ground fiberglass or concrete tanks, above ground steel, concrete, or fiberglass tanks.

High density of bacterial growth due to large surface area of media.

Expandable if flows or loading increases.

Add pretreatment to or expand existing systems without tank installation.

Works well in **cold climates**.

SIMPLE. EFFICIENT. CLEAN WATER.

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