

Since 1974



Sun
Plumbing
Plumbing & Septic Service

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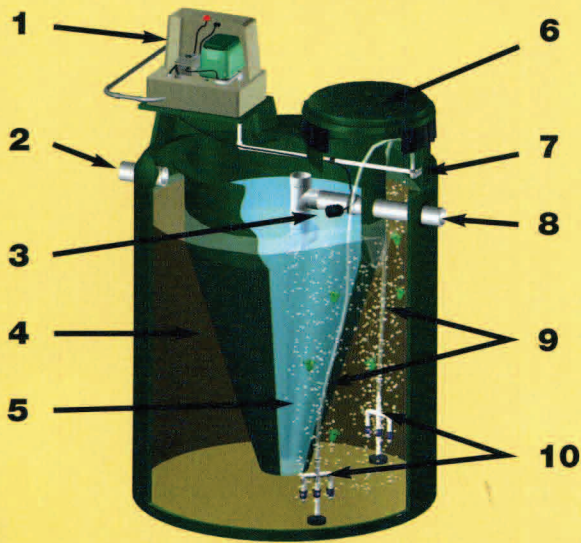
We Install & Service Hydro-Action ATUs

21st Century Wastewater Treatment in *Your Back Yard!*

Household Wastewater In...**CLEAR** Wastewater Out... in only 24 Hours

Just what does **Aerobic** Wastewater Treatment mean, anyway?

Hydro-Action Industries'
AP-500 Treatment Unit



HOW IT WORKS

The OPS® operations/control center (1) contains the air pump, control panel and alarm horn and light for the unit.

Wastewater enters the system at the Inlet (2) and begins the treatment cycle in the **Aeration Compartment (4)**. Air is pumped from the **Air Pump (1)** through the **Air Distribution Manifold (7)**, the **Flexible Air Lines (9)** and out into the Aeration Compartment through the **Patented Triple Anchored Diffuser Assemblies (10)**. Here the air mixes with the wastewater and the aerobic bacterial colony flourishes, treating the wastewater.

As the treatment cycle produces digested effluent, the hydraulic action produced by the diffusers causes the effluent to enter the **Clarification Compartment (5)**. The conical shape of the Clarification Compartment causes most remaining suspended solids to precipitate out the bottom and re-enter the treatment cycle in the Aeration compartment.

As additional wastewater enters the system via the Inlet, clarified effluent is pushed by hydraulic action out of the Clarification Compartment through the **Outlet (8)**, where it enters to the effluent disposal system of choice.

The alarm system in the OPS® is activated by the **High-level Float (3)** if the system becomes too full (volumetric overload) or by the control panel if air pressure drops to an unacceptable level. Your factory-trained service technician should be called if the alarm sounds. He will enter the system through the **Offset Service Access (6)** and diagnose the problem.

Hydro-Action AP-500 & AP-600

