

Ground Water Treatment

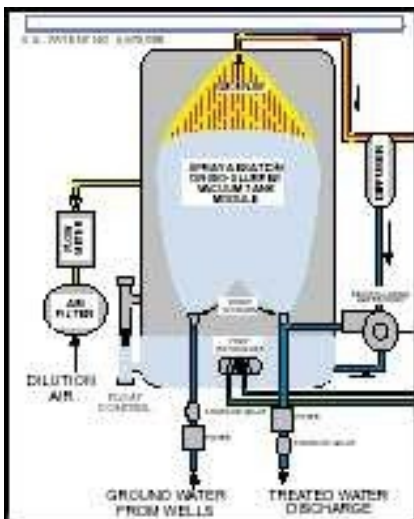
Air Injection

A blower or air compressor is attached to the ICE to generate a volume of air at a certain design pressure which is injected into the groundwater at the source of contamination. Injected air also promotes biodegradation in the aquifer and in the vadose zone

(Bioventing).

Groundwater with high levels of dissolved iron, calcium and other inorganic constituents must be pretreated before the spray aeration module to reduce maintenance costs. A complete system solution can be provided based on our customer's needs. The S.A.V.E.™ system is mounted on a dual-axle trailer with the ICE, to minimize space requirements and simplify transport and startup.

Automation of these modules using the Phoenix S.A.V.E.™ Controller makes system operation simple and user friendly. Innovative environmental solutions by RSI.



Note: Total air throughput remains constant at set RPM and manifold vacuum. Engine manifold vacuum is a function of rpm, load, timing, and air-fuel ratio. Typically systems are operated at high RPM, minimal load, advanced timing, and at or near stoichiometric air-fuel ratio, which results in high engine manifold vacuum.

Note: Increasing groundwater temperature to accomplish removal efficiency shown may require additional heat beyond waste energy of the engine. Please see RSI representative for complete details.

