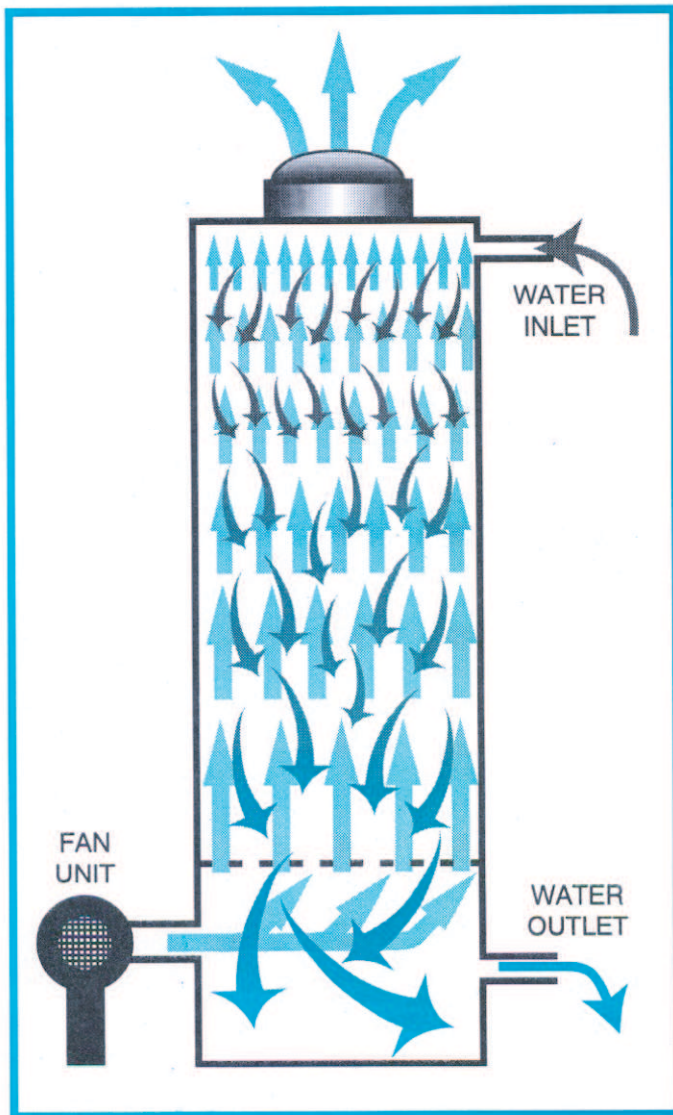


Stuart Well Services

AIR STRIPPING TOWERS FOR GROUNDWATER TREATMENT



Stuart Well Services Limited has, available for rental, a range of air stripping towers for treatment of volatile organic compounds (VOC's) found in groundwater.

Air stripping is a mass transfer process. In a packed tower aeration system, air and water are run counter-current through a randomly-dumped media. The media enhances air/liquid contact by breaking the water into thin films and exposing a large amount of liquid surface area to the air. The more surface area exposed, the greater the opportunity for transfer of the volatile organics out of the water into the passing air.

The media also serves to continually mix the water so that the stripping process is not limited by diffusion of the VOC's through the water. The air carries the contaminants out of the stripper and into the atmosphere where the volatile organics are dissipated by the velocity of the air stream and by any wind currents, and the chemicals may breakdown by natural UV degradation or other methods (chemical, biochemical, etc.). The treated water then passes out of the column to storage or for further treatment.

Various specifications of air stripping towers are available for rental and specifications, together with indicative flow rates, are listed in the table. We are also able to offer water pumps for abstraction and/or boost pumping water through the towers together with water storage tanks and further treatment systems.

	Tower Diameter	Tower Height	Length of Packed Column	Fan Motor 3 Phase KW	Fan Output cfm	Water Gauge	Maximum Flow
AST 3	250mm	3.0m	2.9m	0.55	250	3.5"	3m ³ /hour
AST 8	250mm	3.0m x 3 no.	2.9m x 3 no.	0.55 x 2 no.	500	3.5"	8m ³ /hour
AST 100	1200mm	11.5m	9m	3.0	4700	4"	100m ³ /hour

AST 100 The air stripping tower is located within a 20 foot container with out riggers for stability. Two cranes are required to erect and dismantle this unit. We are able to co-ordinate these works during the installation if required.

Registered Office: Stuart House, Crows Hall Lane, Attleborough, Norwich NR17 1AD
Telephone: (01953) 454540 (10 lines) Fax: (01953) 456968