



U. S. AQUATREAT CO.

MEMBRANE TYPE DIFFUSED AERATION SYSTEM



Process application:

Membrane type air diffusers are used for fine bubbled aeration in bio-reactor. The membrane is made up of EPDM / Silicon material. Being flexible it shrinks once the aeration stops. This avoids chocking problem. It is a proven technology for aeration of effluent. Fine pore diffusion is a subsurface form of aeration in which air is introduced in the form of very small bubbles. Fine pore diffusion of air has been more effective in comparison with other oxygen transfer technology due to its high oxygen transfer efficiency.

Construction:

EPDM or silicon membrane is used for fine bubble diffuser. It is of disc type or tubular type. In disc type construction circular membrane is fixed on disc & in tube type construction a tube is fixed on pipe. These diffusers are available in different sizes.

