IMET CORPORATION
Technology Access Company

IMET Diffuser

IMET diffuser technology uses a highly porous material through which filtered air is forced, creating uniform micro-bubbles. The micro-bubbles size and uniformity have large interfacial area and long residence times as they travel upwards throughout the unit. Long residence time increases the air bubbles contact time in water and therefore increases the dissolution rate. IMET's design considers both contact time and surface area of the air/water interface and utilizes these to maximize oxygen transfer. The bubbling action also causes constant circulation within the tank significantly reducing stagnant spots which foster anaerobic growth. High levels of dissolved oxygen will foster aerobic "healthy" biodegradation.