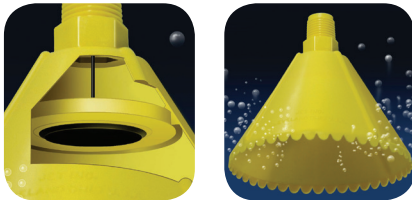


Jet AIR-SEAL[®] Diffusers

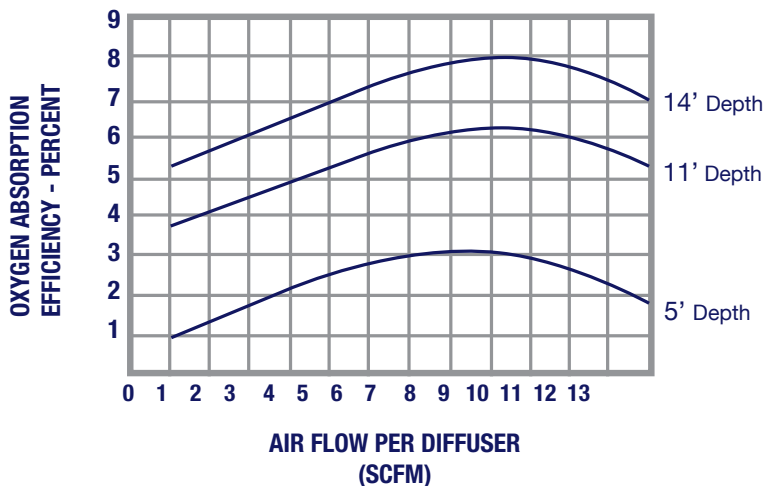


- Non-clogging
- Non-corrosive
- 1/2" NPT thread
- Diffuser body constructed of high-impact ABS plastic
- Diaphragm check valve molded of EPDM rubber

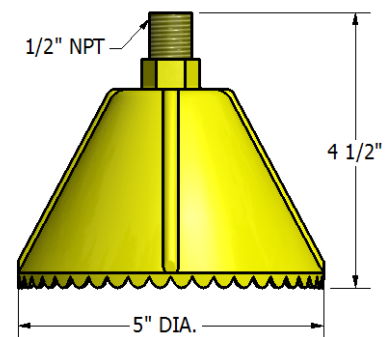


The heart of every extended aeration plant is its air diffusion system. Air diffusers introduce large amounts of air for two purposes - to meet oxygen demand of the aerobic digestion process, and to mix the tank contents, insuring complete treatment. Jet's AIR-SEAL Diffuser offers efficient trouble-free air distribution as proven in over 23 years of field use.

Air pumped through piping of the plant's diffusion system must be broken into small bubbles for better oxygen transfer efficiency. Streams of air passing through Jet Diffusers are first broken up when passing through the sectioned orifice. Next, the rubber diaphragm, blown aside by the force of incoming air continues breaking up the air stream. Finally, notches at the base of the diffuser break the air into still smaller bubbles giving greater surface area for more contact with the wastewater. This greater bubble surface area transfers much more oxygen to the wastewater than larger bubbles do. The end result is high oxygen transfer efficiency and mixing action giving a smooth, even, fast aeration process.



Jet Diffusers installed in the diffuser bar at fixed intervals provide maximum air and thorough mixing of the tank contents.



Contact your local Jet distributor or Jet directly for more information.