



The only non-clog diffuser you can buy

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

The heart of every extended aeration wastewater treatment facility is its air diffusion system. The diffuser introduces the large amounts of oxygen required to meet the demands of the aerobic digestion process. It also mixes that oxygen with activated sludge in the tank to provide complete treatment. But not all diffusers are the same.

Some are no more than pipe pieces with holes drilled to release air. Others use spring-loaded valves. Some are simple porous structures.

No matter what they are made from or how they release oxygen into the plant, they all diffuse air upward — and that's why they all quickly clog up.

During off-cycle periods when air is not being circulated, solids in the aeration chamber settle to the bottom to clog the diffuser opening. The result: air flow is reduced or completely stopped, and the plant must be shut down so the diffusion system can be cleaned.

Now consider our Air-Seal Diffuser. Its exclusive cone-shaped design causes settling solids to slide down the sloped sides and away from an opening that faces down, not up. When the blower shuts down, the opening is immediately and securely sealed with a rubber diaphragm. A bubble of air is trapped there to prevent any liquids or floating solids from coming into any contact with the diffuser opening. Clogging is made impossible.

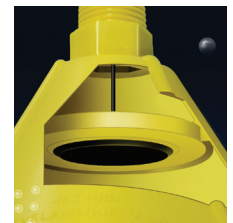
This innovative design minimizes need for maintenance and repair visits by allowing the plant to operate without interruption, resulting in substantial cost savings to the plant owner.

Specify Jet Air-Seal Diffusers for new commercial wastewater treatment plants and be sure to use them to replace any clogging diffusers on existing plants.

Do It Right The First Time

buy a Jet

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Providing efficient trouble-free air distribution in commercial wastewater plants worldwide for more than a quarter century.