

Pack Tower Air Strippers

- High air-to-water ratio makes it easier to remove more difficult contaminants such as ammonia
- Accommodates liquid flow rates from 5GPM to 7500GPM per vessel and range from 12 inches in diameter to 14 feet



The pack tower air stripper was developed to remove toxic volatile contaminants from water. It is designed as a counter-current system where the air moves up and the water moves down the tower column and interacts with the packing media. The packing media provides a large surface area for mass transfer and stripping of the contaminants

LIQUID DISTRIBUTION

The water enters the system through the liquid distribution system. The system distributes the water evenly for optimal flow over the packing media. The water will continue to flow towards the bottom of the tower column.

AIR INLET

Clean air is introduced into the system by a blower designed in a forced or induced draft configuration. The air will flow up the tower column. The packing support plate is strategically

designed to properly distribute the airflow and to not interfere water flow drainage.

PACKING MEDIA

The packing media is a random dump polypropylene media that provides a high surface to volume ratio for the most efficient removal of the contaminants. It is chemical resistant and low potential for scale fouling.

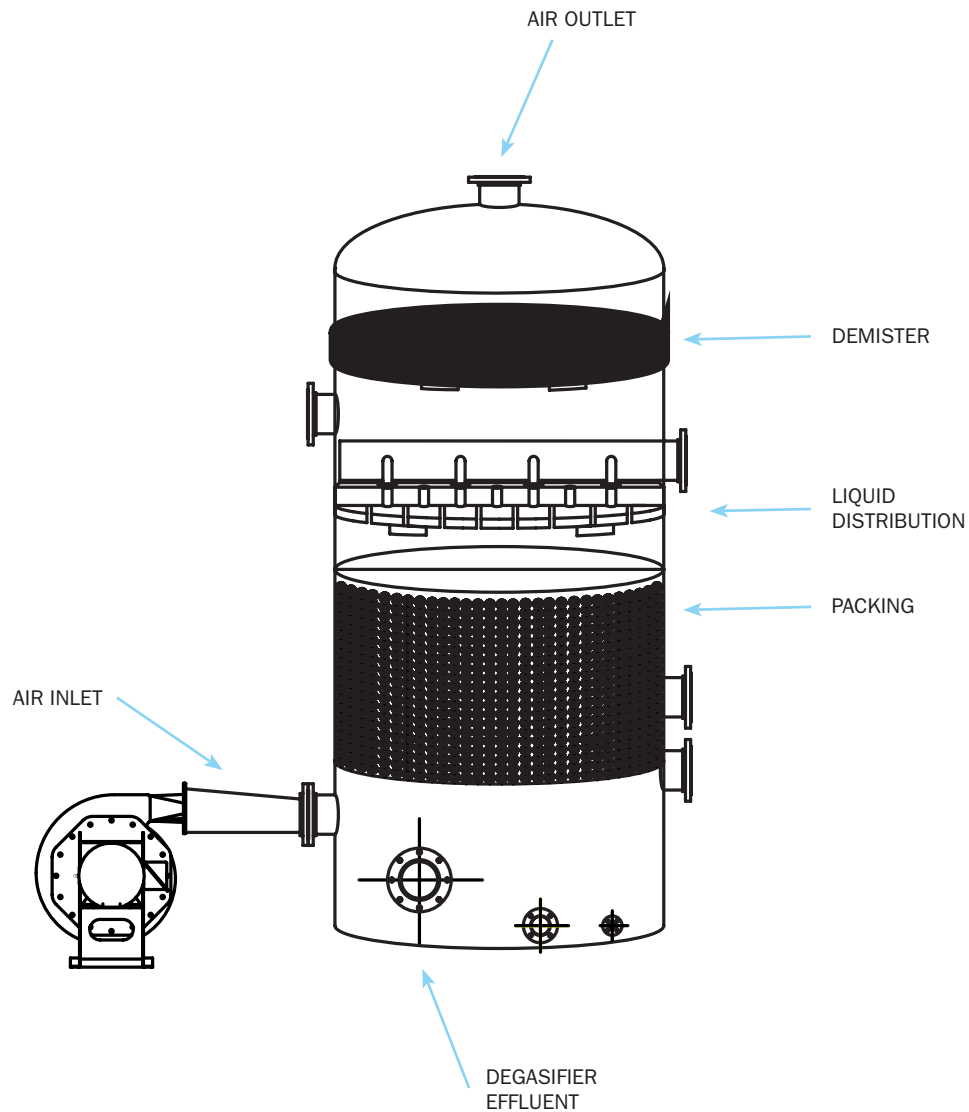
AIR OUTLET

A demister pad is positioned towards the top of the tower column to reduce the amount

of moisture exiting the air stripper. The air volatiles are then discharged out of the system. Depending on the contaminants and your local regulations, the effluent air may need to go through vapor phase carbon before discharging to the atmosphere.

WATER OUTLET

The stripped water is discharged out of the effluent outlet per your local regulations



Whether an off-the-shelf unit or customized equipment, we'll help you determine the best solution for your application and site-specific needs.

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