FAN AIR DISPOSAL

VAPORIZER

PERFORMANCE

Fan Air Disposal (FAD™) Vaporizers consist of a Thermax designed cryogenic injector system housed in a vertical air duct. Dual updraft fans oriented in a horizontal position force air over the injectors, rapidly vaporizing the cryogen and mixing the combined air-cryogen prior to exhausting to the surrounding atmosphere.

The system provides a long-lasting solution with increased durability. Incorporation of auto start and shutdown, as well as new design of fan orientation improves safety for the user.

Design performance shown is based on exhaust mix temperature of 50°F below the air intake temperature. The smaller the approach temperature, the lower the probablity of fog bank formation.

STANDARD FEATURES

- Auto start and shutdown
- Remote connectivity
- Senses flow state change from gas to liquid
- Flow rate indicators
- Temperature sensing alarms
- Allen-Bradley controller
- 7" color touchscreen with configurable settings
- Redundant start-up initiators including flow and temperature detection
- Manual override
- Soft starts for dual fan system
- Fans protected from cryogenic contact
- Thermax stainless steel disposal injector system with copper or brass injectors
- High performance industrial axial fans mounted directly on motor
- Totally enclosed TEFC motor
- Extended duty construction, corrosion resistant aluminum structural frame & duct/mix chamber
- Low temperature signal
- Motor starter with disconnect, NEMA 4
- Stainless steel prop shaft and hardware
- Up to 60,000 lb/hr capacity, peak of 57,000 lb/hr per ring
- Up to three cryogen streams dispersed at once
- Up to three ring configurations available

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Cooler By Design®

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