

## F1 Ventilation Blower

**Technology Description** - Single Stage Ventilation Blower with electric motor. Filtered air intake, distributes air inside tank for ventilation of tank head space, designed to evacuate volatilized THM's, gases and other contaminants from the head space. Features 1.25" bulk head tank connection and supported by 2 adjustable self-leveling feet.

**Part Numbers** - 100535 (single-phase)  
100439 (three-phase)

**Materials of Construction** - T316 stainless steel, power coated steel, EPDM construction.

**Air Filter** - 99%+ removal efficiency to 5 micron, pleated polyester air filter rated for 100 CFM (2.8 m<sup>3</sup>/min), 1.5 ft<sup>2</sup> surface area, washable, epoxy coated steel wire reinforcement on both sides. Molded plastisol endcaps. Dimensions: 3" ID, 4.38" OD, 4.75" H.  
PN: 20012058

**Air Flow Rate** - 60 cfm max rated at 60Hz, 50 cfm max rated at 50Hz.

Blower Performance (SCFM) at varying Static Pressures (Inches of Water)					
0"	1"	2"	3"	4"	6"
60	59	58	57	56	54

**Vibration Isolation** - Secured to T316SS bulk head fitting, supported by self-leveling dampening feet, constructed of glass-reinforced nylon with elastomer pad for anti-skid and light-duty vibration control applications.

**Sealed Tank Penetration** - Gasketed 1.25" NPT bulk head fitting, T316 stainless steel, tank fitting with a 2-1/2" diameter tank roof penetration required for air entry. Penetration sealed with LEXEL rubber-based sealant and rubber gasket to maintain integrity of the tank. Not designed as a submersible penetration.

**Electrical Requirements** - Requires 120VAC or 240VAC for single-phase units, and 208-240VAC or 480VAC for special order three-phase units, 60Hz power. Each motor is dual voltage and can be wired for either low or high voltage. Ixom recommends secondary disconnect to be located near blower equipment. *All conduit, conductors, switches, breakers, emergency stop buttons, control panels and other controls shall be installed in accordance to all NEC, State, and local regulations. (Not supplied by Ixom)*

**Motor** - 1/2HP TEFC induction motor, designed for continuous operation, low power requirement, direct drive, no gearbox and no lubrication schedule required. No heater. Estimated 66dba at 1.5m, 60Hz.

**Motor Bearing** - bearings filled with low-noise, low-friction grease, lubricated for life and are maintenance-free. The grease life is considered L10. (-20°F, +300°F)

**Wiring** - 3-conductors required for single-phase motors. 4-conductors required for special order three-phase motors. Electrical conduit body mounted to motor housing for conduit connection and electrical splicing.

### Shipping Size / Weight

- Crate** - 20in x 20in x 20in (50.8cm x 50.8cm x 50.8cm) / 35lbs (15.8kg).

**Maintenance / Warranty** - Limited maintenance. Limited 1-year parts only. See GridBee THM Removal Systems Limited Replacement Warranty for more details.

Subject to change without notice.