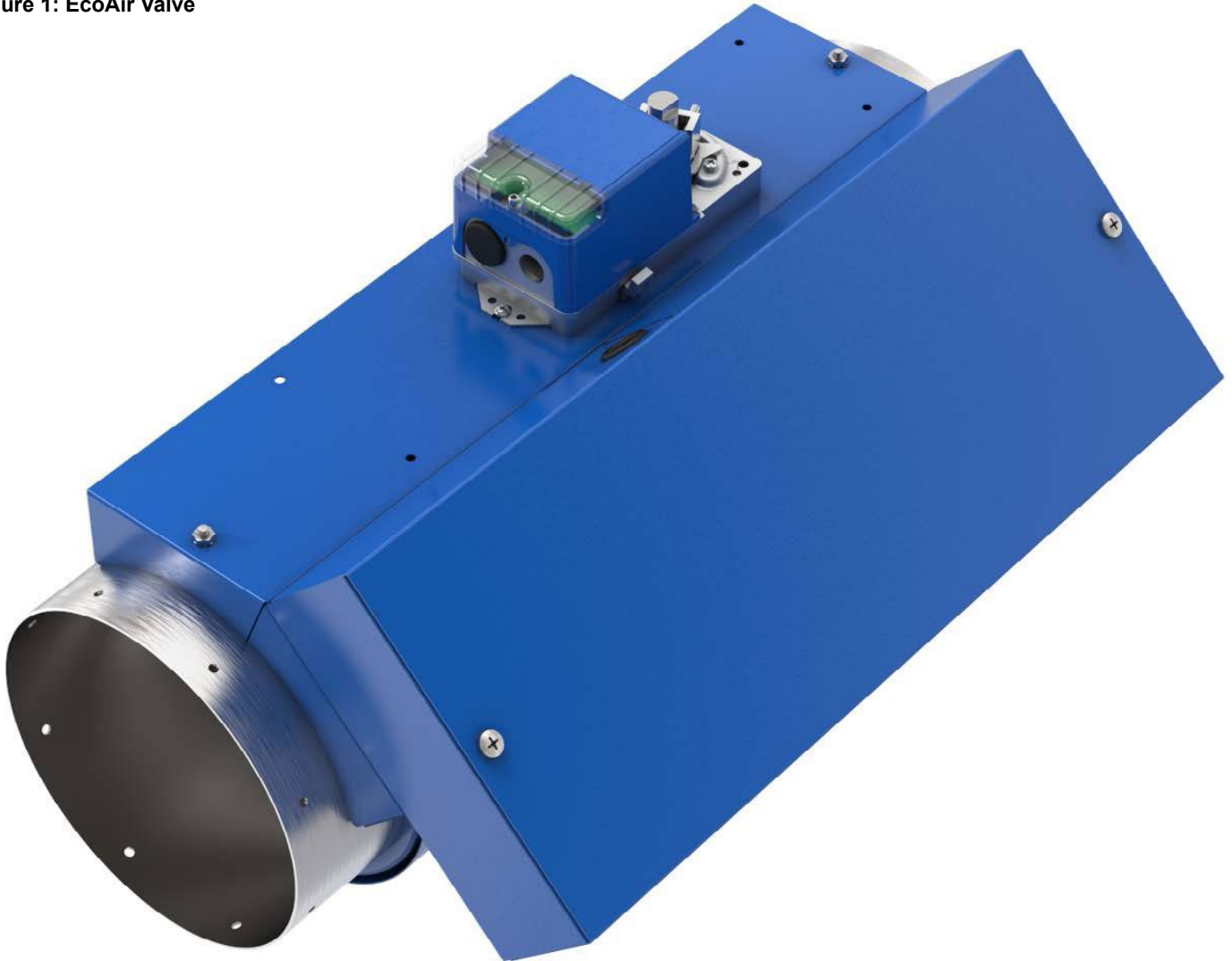


Figure 1: EcoAir Valve



## Overview

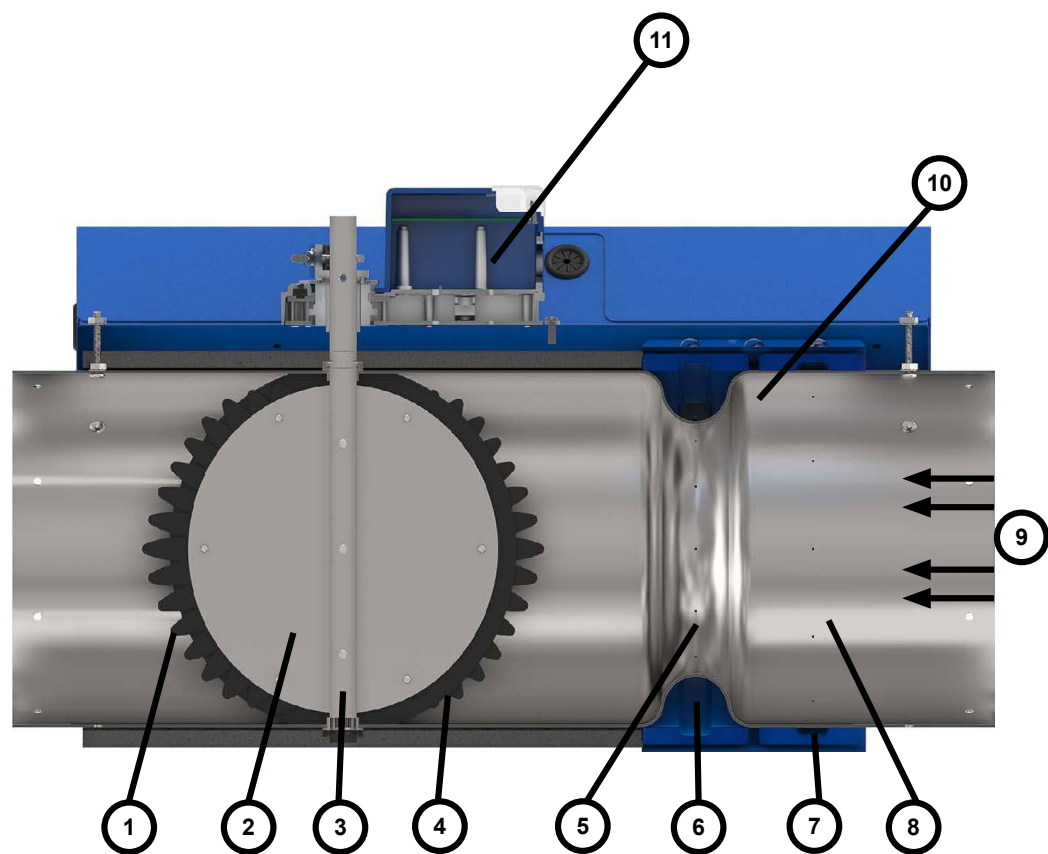
The EcoAir Valve is a robust and reliable ultra-low pressure drop air valve designed for use in critical HVAC applications like room pressure containment and fume hood exhaust. With debris-proof airflow measurement technology and true-real-time airflow metering, the EcoAir valve enables safe, reliable, and energy efficient solutions for critical environment design. Factory mounted controls provide full solution integration with existing BAS systems for seamless compatibility throughout the facilities.

The airflow sensor is outside the air stream, which protects the flow sensing mechanism from exhaust dust, grime, and debris. This design ensures an extended service life and eliminates the need for an access panel to regularly clean the airflow sensor within the airstream.

Due to the latest advances in state-of-the-art pressure sensors, the Superior Sensor Module (SSM) in the EcoAir valve enables accurate airflow measurement within  $\pm 5\%$  accuracy across its entire flow range. The serrated air fin blade design enables precision airflow control at the near closed position across the entire operating pressure range of 0.05 in. W.C. to 10 in. W.C.

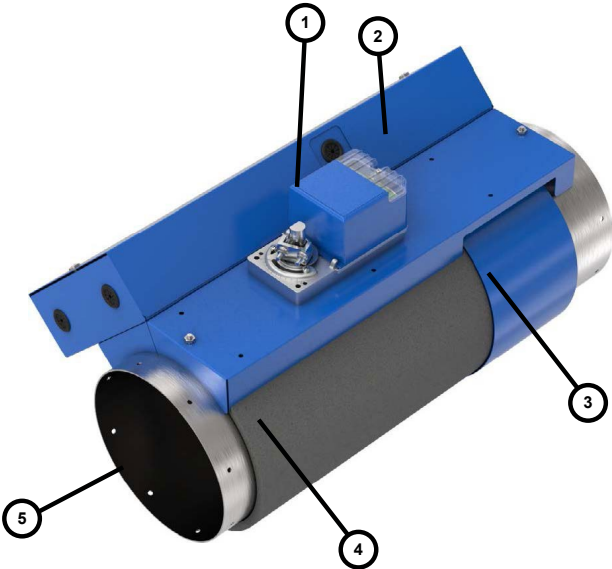
You can use the EcoAir Valve in tandem with Venturi Valves in healthcare and laboratory spaces to provide room pressure containment and fume hood exhaust solutions.

Figure 2: Valve side view



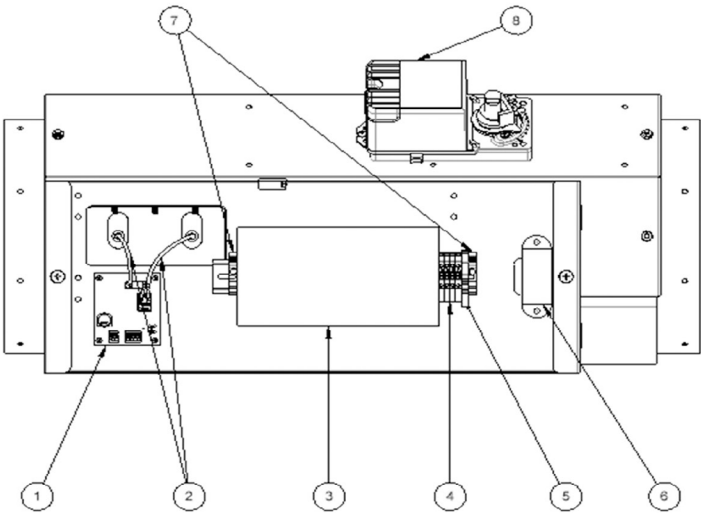
| Callout | Feature                         | Description                                                                                                                                                                           |
|---------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Air fins                        | The unique air fin design ensures precise airflow control across the entire operating pressure range of the EcoAir valve and optimizes performance.                                   |
| 2       | Damper                          | Constructed from 316 stainless steel, the damper blade can endure the harshest HVAC environments and provide durability and reliability.                                              |
| 3       | Shaft                           | The 5/8 in. machined damper shaft, made from 316 stainless steel, offers robust structural stability and ensures smooth modulation of the damper blade under various duct conditions. |
| 4       | Full shut-off gasket            | Ensures a near-perfect seal, effectively restricts airflow through the EcoAir valve and enhances control and efficiency.                                                              |
| 5       | Low pressure pick-up holes      | Integral to the Venturi Halo flow measuring technology, this design is debris-proof and ensures reliable operation even in challenging HVAC applications.                             |
| 6       | Low pressure averaging channel  | Part of the Venturi Halo technology, this channel enables accurate pressure averaging which is essential for precise airflow measurement.                                             |
| 7       | High pressure averaging channel | Utilizes the Venturi effect to provide accurate pressure averaging which ensures precise airflow measurements in the duct.                                                            |
| 8       | High pressure pick-up holes     | An integral component of the Venturi Halo designed to remain debris-proof for reliable operation in various environments.                                                             |
| 9       | Air flow direction              | You can install the valve in any orientation to ensure effective and accurate airflow management.                                                                                     |
| 10      | Venturi Halo                    | Integrated into the valve body, it induces the Venturi effect and enables precise airflow measurement and enhances control accuracy.                                                  |
| 11      | Fast-acting actuator            | Responds quickly to changes in airflow demand and instantly adjusts to deliver the correct amount of airflow which maintains safety and performance.                                  |

Figure 3: Valve overhead view



| Callout | Component                                                            |
|---------|----------------------------------------------------------------------|
| 1       | Fast acting actuator with capacitor fail safe                        |
| 2       | Valve panel to house the sensor, controller, and device level wiring |
| 3       | Venturi Halo                                                         |
| 4       | Valve body with spun in Venturi Halo                                 |
| 5       | Air outlet                                                           |

Figure 4: Panel contents view



| Callout | Description                   |
|---------|-------------------------------|
| 7       | DIN rail end stops            |
| 8       | Actuator                      |
| 6       | Isolation transformer         |
| 5       | DIN rail fuse holder and fuse |
| 4       | DIN rail terminal blocks      |
| 3       | Controller                    |
| 2       | Pressure tubing               |
| 1       | SSM-100                       |

## Features and benefits

The EcoAir Valve has several features and benefits for critical HVAC applications:

**Table 1: Features and benefits**

| Feature                           | Benefit                                                                                                                                                                          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fully integrated solution         | Actuator, flow sensor, and controller are factory mounted, programmed, and prewired to save time during equipment selection, installation, start up, and commissioning.          |
| True-real-time airflow feedback   | Precision airflow metering in real time for safe and reliable room pressure containment, building efficiency optimization, and system status diagnostics.                        |
| Fast-acting actuator              | Provides rapid response to airflow demand changes and instantly delivers the correct amount of airflow to ensure safety.                                                         |
| Air fins                          | Unique air fin design enables precision airflow control across the entire operating pressure range of the EcoAir valve.                                                          |
| Debris-proof technology           | The airflow sensor is outside the airstream and does not require regular cleaning. This provides years of reliable service in critical HVAC applications like fume hood exhaust. |
| No straight duct requirement      | Provides duct design and valve installation flexibility.                                                                                                                         |
| Orientation independent           | Can operate in horizontal, up flow, and down flow installations.                                                                                                                 |
| Pressure independent flow control | Regardless of the dynamic system pressure changes, the EcoAir valve ensures fast and precise airflow metering.                                                                   |

**Table 2: EcoAir Valve maximum flow rate at in. W.C. with differential pressure across the valve**

| Size       | Minimum design flow | cfm maximum flow rate (0.05 in. W.C. to 1 in. W.C.) |       |       |       |        |        |        |        |        |        |        |
|------------|---------------------|-----------------------------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
|            |                     | 0.05                                                | 0.1   | 0.2   | 0.3   | 0.4    | 0.5    | 0.6    | 0.7    | 0.8    | 0.9    | 1      |
| 1 x 8 in.  | 30                  | 180                                                 | 260   | 380   | 470   | 545    | 615    | 670    | 725    | 775    | 825    | 870    |
| 1 x 10 in. | 100                 | 530                                                 | 770   | 1,100 | 1,345 | 1,565  | 1,745  | 1,905  | 2,035  | 2,180  | 2,315  | 2,435  |
| 2 x 10 in. | 200                 | 1,060                                               | 1,540 | 2,200 | 2,690 | 3,130  | 3,490  | 3,810  | 4,070  | 4,360  | 4,630  | 4,870  |
| 3 x 10 in. | 300                 | 1,590                                               | 2,310 | 3,300 | 4,035 | 4,695  | 5,235  | 5,715  | 6,105  | 6,540  | 6,945  | 7,305  |
| 1 x 12 in. | 150                 | 800                                                 | 1,160 | 1,650 | 2,030 | 2,380  | 2,700  | 2,950  | 3,150  | 3,430  | 3,590  | 3,800  |
| 2 x 12 in. | 300                 | 1,600                                               | 2,320 | 3,300 | 4,060 | 4,760  | 5,400  | 5,900  | 6,300  | 6,860  | 7,180  | 7,600  |
| 3 x 12 in. | 450                 | 2,400                                               | 3,480 | 4,950 | 6,090 | 7,140  | 8,100  | 8,850  | 9,450  | 10,290 | 10,770 | 11,400 |
| 1 x 14 in. | 200                 | 1,280                                               | 1,880 | 2,630 | 3,200 | 3,800  | 4,250  | 4,650  | 5,387  | 5,959  | 6,531  | 7,104  |
| 2 x 14 in. | 400                 | 2,560                                               | 3,760 | 5,260 | 6,400 | 7,600  | 8,500  | 9,300  | 10,774 | 11,919 | 13,063 | 14,207 |
| 3 x 14 in. | 600                 | 3,840                                               | 5,640 | 7,890 | 9,600 | 11,400 | 12,750 | 13,950 | 16,161 | 17,878 | 19,594 | 21,311 |

**Note:**

- Listed flow rates are in cubic feet per minute.
- Flow rates tested in accordance with AMCA 210 standard on NIST traceable equipment.
- See Table 2 and Table 3 for more information.

Figure 5: Ganged valve

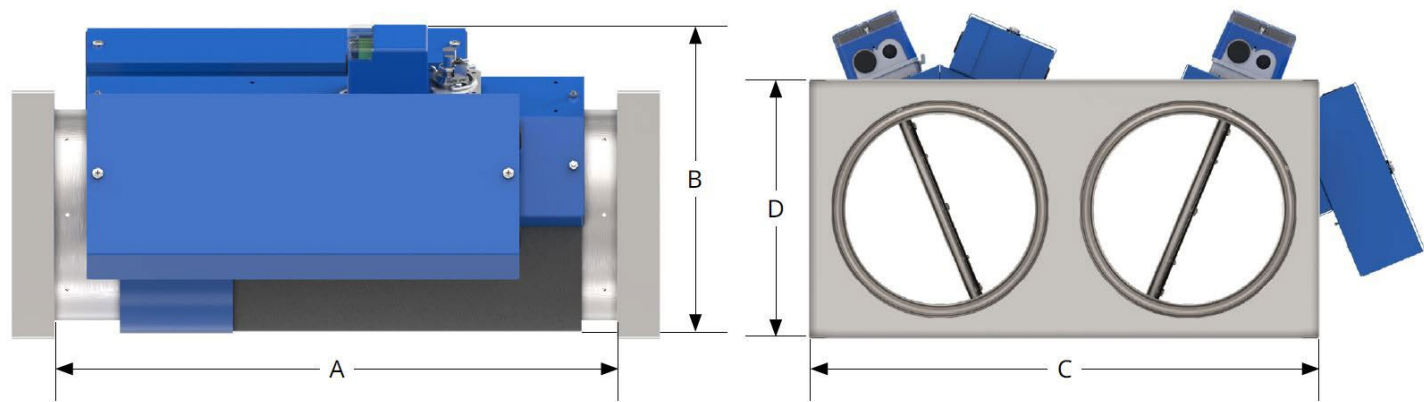
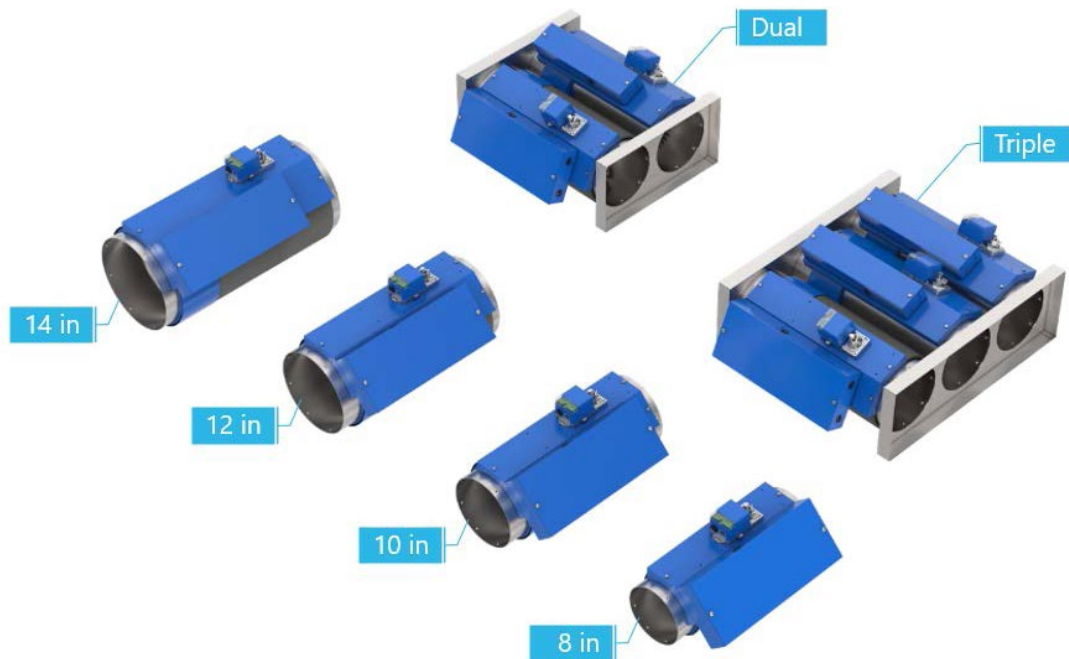


Table 3: Dimensions and weights

| Unit size |   | Weight |    | Valve diameter |     | Valve length (A) |     | Valve height (B) |     | Collar width (C) |       | Collar height (D) |     |
|-----------|---|--------|----|----------------|-----|------------------|-----|------------------|-----|------------------|-------|-------------------|-----|
|           |   | SS316  |    |                |     |                  |     |                  |     |                  |       |                   |     |
|           |   | lb     | kg | in.            | mm  | in.              | mm  | in.              | mm  | in.              | mm    | in.               | mm  |
| 8 in.     | 1 | 25     | 11 | 7.88           | 200 | 23               | 584 | 13               | 330 |                  |       |                   |     |
| 10 in.    | 1 | 30     | 14 | 9.74           | 247 | 26               | 660 | 16               | 406 |                  |       |                   |     |
|           | 2 | 60     | 27 | n/a            | n/a | 30               | 762 | 16               | 406 | 22.63            | 575   | 11.44             | 291 |
|           | 3 | 90     | 41 | n/a            | n/a | 30               | 762 | 16               | 406 | 33.75            | 857   | 11.44             | 291 |
| 12 in.    | 1 | 40     | 18 | 11.68          | 297 | 26.8             | 681 | 18               | 457 |                  |       |                   |     |
|           | 2 | 80     | 36 | n/a            | n/a | 30.8             | 782 | 20.5             | 521 | 26.75            | 679   | 13.5              | 343 |
|           | 3 | 120    | 54 | n/a            | n/a | 30.8             | 782 | 20.5             | 521 | 40               | 1016  | 13.5              | 343 |
| 14 in.    | 1 | 50     | 23 | 13.62          | 346 | 30               | 762 | 20               | 508 |                  |       |                   |     |
|           | 2 | 100    | 45 | n/a            | n/a | 34               | 864 | 23.5             | 597 | 32.15            | 817   | 16                | 406 |
|           | 3 | 150    | 68 | n/a            | n/a | 34               | 864 | 23.5             | 597 | 48.3             | 1,227 | 16                | 406 |

ⓘ **Note:** All product specifications and data are subject to change without notice to improve reliability, function, design, or otherwise.



**Table 4: Ordering Guide.**

| Feature    | Code letter or number and description                               | Product code number example: TE110SIAN |
|------------|---------------------------------------------------------------------|----------------------------------------|
| Brand      | TE = Triatek EcoAir                                                 | TE                                     |
| Quantity   | 1 = Single<br>2 = Dual<br>3 = Triple<br>F = Flanged                 | 1                                      |
| Size       | 08 = 8 in.<br>10 = 10 in.<br>12 = 12 in.<br>14 = 14 in.             | 10                                     |
| Material   | S = 316 Stainless steel 18 GA                                       | S                                      |
| Insulation | I = Insulated                                                       | I                                      |
| Actuator   | A = Fast acting with fail open or close (for critical applications) | A                                      |
| Controller | A = EasyIO<br>M = RLC-MSTP<br>I = RLC-IP<br>N = No controller       | N                                      |

**① Note:**

- Typical critical environment applications for positive pressure containment have supply air valves as fail open and general exhaust air valves as fail closed.
- Typical critical environment applications for negative pressure containment have supply air valves as fail closed and the general exhaust air valves as fail open.

**► Important:**

- Any EcoAir valve units sold without the factory-mounted and factory-wired controller option (no controller option (N)), the field installer is responsible to provide, mount, wire, program, calibrate, and commission a third-party controller. The manufacturer of the EcoAir Valve is not liable for any performance issues from the device, system, or fume hood application level that results from the use of a third-party field-provided controller.
- The manufacturer's warranty applies only to the supplied components, including the EcoAir Valve body, damper blade, SSM, and fast-acting actuator. Any performance concerns related to the control, operation, or system dynamics that involve a third-party controller which has not been factory integrated as part of the full EcoAir Valve package are outside the scope of the manufacturer's responsibility. Third-party vendor or on-site integrator must support external systems and field-supplied components, including controllers.

**Table 5: Actuator details**

| TRK SKU   | Description                  | SKU configuration | Fail safe          |
|-----------|------------------------------|-------------------|--------------------|
| BM060-TK6 | TRK ACTUATOR TK6 50inlb O/C  | A                 | Fail open or close |
| BM000-TK6 | TRK ACTUATOR TK6 50inlb LAST | B                 | Fail last position |

## Technical Specifications

**Table 6: Technical Specifications**

|              |                       |                                                                 |
|--------------|-----------------------|-----------------------------------------------------------------|
| Electrical   | Input power           | 24 VAC $\pm$ 20% 50 Hz/60 Hz                                    |
|              | Power requirements    | Single: 30 VA                                                   |
|              |                       | Dual: 60 VA                                                     |
|              |                       | Triple: 90 VA                                                   |
|              | cfm command signal    | 0 VDC to 10 VDC with default scaling set to 1 V = 100 cfm       |
|              | cfm feedback signal   | 0 VDC to 10 VDC with default scaling set to 1 V = 100 cfm       |
|              | Network               | BACnet® MS/TP                                                   |
| Performance  | Accuracy              | $\pm$ 5% or $\pm$ 10 cfm whichever is greater                   |
|              | Operating pressure    | 0.01 in. W.G. to 10 in. W.G. differential pressure across valve |
|              | Failure modes         | FA = Fail to close or open (optimal for critical applications)  |
|              | Operating temperature | 0°F to 122°F (-17.78°C to 50°C)                                 |
|              | Storage temperature   | -22°F to 122°F (-30°C to 50°C)                                  |
|              | Humidity              | 0% RH to 90% RH                                                 |
| Construction | Valve housing         | SS316 18 gauge                                                  |
|              | Shaft                 | SS316 5/8 in. (0.625 in.) round stock                           |
|              | Shaft bearings        | PTFE                                                            |
|              | Seal                  | Polypropylene                                                   |
|              | Air fins              | Formex®                                                         |

① **Note:** You must power the EcoAir Valve actuators directly from a customer-supplied 24 VAC power source. The valve does not receive power from an isolation transformer. Supply the power independently from the customer's electrical system and ensure a dedicated power connection to the actuator.

**Table 7: Leakage Data**

| EcoAir SIZE | CFM @ 3inWC DP across the valve |
|-------------|---------------------------------|
| 8in         | 3 cfm                           |
| 10in        | 5 cfm                           |
| 12in        | 5cfm                            |
| 14in        | 5cfm                            |

## EcoAir Valve Radiated Sound Data

Tested in accordance to ASHRAE 130

Table 8: 8 inch

| Unit ΔPs | 8in EcoAir RADIATED Sound Data |      |      |      |      |      |      |      |      | NC   | Critical Band |
|----------|--------------------------------|------|------|------|------|------|------|------|------|------|---------------|
|          | Frequency:                     | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |               |
|          | CFM                            | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |               |
| 0.25inWG | 104                            | 39.6 | 34.2 | 36.0 | 31.7 | 31.3 | 26.7 | 25.7 | 33.7 | 4.2  | 4             |
|          | 296                            | 44.6 | 41.8 | 39.7 | 35.8 | 33.8 | 26.3 | 25.7 | 33.7 | 8.7  | 4             |
|          | 434                            | 40.7 | 41.7 | 41.0 | 37.6 | 36.2 | 28.8 | 26.9 | 33.7 | 10.6 | 4             |
| 0.5inWG  | 108                            | 41.2 | 39.6 | 41.0 | 38.7 | 36.7 | 33.8 | 29.1 | 33.8 | 11.8 | 4             |
|          | 302                            | 49.5 | 48.7 | 47.7 | 40.1 | 38.6 | 31.4 | 28.7 | 33.8 | 15.1 | 3             |
|          | 498                            | 53.2 | 54.0 | 51.7 | 43.3 | 43.0 | 35.4 | 30.9 | 33.8 | 19.8 | 3             |
|          | 606                            | 47.5 | 50.8 | 51.1 | 46.5 | 45.1 | 37.5 | 32.5 | 34.1 | 20.3 | 4             |
| 1.0inWG  | 127                            | 47.2 | 46.4 | 47.1 | 43.1 | 43.1 | 36.9 | 33.4 | 34.2 | 16.6 | 4             |
|          | 305                            | 54.7 | 54.1 | 53.7 | 45.6 | 45.9 | 39.7 | 36.9 | 34.7 | 22.2 | 3             |
|          | 497                            | 60.6 | 59.4 | 58.8 | 48.0 | 46.8 | 40.1 | 36.3 | 34.7 | 28.3 | 3             |
|          | 598                            | 62.0 | 62.1 | 60.0 | 49.6 | 48.1 | 41.9 | 39.0 | 35.5 | 29.7 | 3             |
|          | 696                            | 62.0 | 63.6 | 62.2 | 51.4 | 49.8 | 44.1 | 40.8 | 36.6 | 32.3 | 3             |
| 2.0inWG  | 125                            | 52.3 | 51.1 | 52.6 | 47.1 | 48.6 | 46.0 | 44.2 | 39.8 | 21.0 | 4             |
|          | 307                            | 59.4 | 58.0 | 58.4 | 49.5 | 50.6 | 47.6 | 45.7 | 40.5 | 27.8 | 3             |
|          | 506                            | 66.9 | 64.7 | 64.0 | 53.9 | 51.8 | 48.5 | 46.7 | 41.6 | 34.4 | 3             |
|          | 600                            | 68.7 | 66.3 | 66.1 | 55.6 | 52.5 | 49.1 | 47.2 | 42.2 | 36.9 | 3             |
|          | 694                            | 70.6 | 67.7 | 68.0 | 56.9 | 53.3 | 49.6 | 47.5 | 42.7 | 39.2 | 3             |
| 3.0inWG  | 127                            | 53.7 | 53.7 | 56.1 | 49.9 | 51.4 | 50.7 | 49.0 | 45.1 | 25.1 | 3             |
|          | 303                            | 60.5 | 60.8 | 61.4 | 52.9 | 53.6 | 52.2 | 50.3 | 45.8 | 31.4 | 3             |
|          | 493                            | 66.3 | 66.1 | 66.6 | 56.4 | 54.7 | 53.0 | 51.2 | 46.5 | 37.4 | 3             |
|          | 597                            | 69.6 | 69.1 | 68.9 | 58.7 | 55.4 | 52.8 | 51.1 | 46.0 | 40.2 | 3             |
|          | 695                            | 71.5 | 70.4 | 71.0 | 60.3 | 56.2 | 53.2 | 51.5 | 46.6 | 42.7 | 3             |

Table 9: 10 inch

| Unit ΔPs | 10in EcoAir RADIATED Sound Data |      |      |      |      |      |      |      |      | NC   | Critical Band |
|----------|---------------------------------|------|------|------|------|------|------|------|------|------|---------------|
|          | Frequency:                      | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |               |
|          | CFM                             | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |               |
| 0.25inWG | 188                             | 36.5 | 32.6 | 37.2 | 33.6 | 26.9 | 25.2 | 24.8 | 32.7 | 6.3  | 4             |
|          | 304                             | 37.7 | 33.6 | 36.2 | 34.1 | 28.6 | 29.8 | 27.7 | 32.8 | 6.8  | 4             |
|          | 499                             | 40.6 | 37.5 | 37.5 | 37.2 | 32.4 | 33.7 | 30.4 | 33.3 | 10.2 | 4             |
|          | 800                             | 46.1 | 44.4 | 42.0 | 39.8 | 36.4 | 34.0 | 29.5 | 32.8 | 13.1 | 4             |
|          | 1000                            | 48.2 | 49.6 | 47.4 | 42.3 | 39.8 | 39.3 | 34.9 | 33.6 | 15.7 | 4             |



Table 9: 10 inch (continued)

| Unit ΔPs | 10in EcoAir RADIATED Sound Data |      |      |      |      |      |      |      |      | NC   | Critical Band |
|----------|---------------------------------|------|------|------|------|------|------|------|------|------|---------------|
|          | Frequency:                      | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |               |
|          | CFM                             | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |               |
| 0.5inWG  | 185                             | 41.1 | 39.5 | 42.2 | 39.9 | 36.1 | 33.4 | 29.6 | 32.8 | 13.2 | 4             |
|          | 307                             | 41.6 | 40.3 | 42.6 | 40.2 | 36.1 | 33.7 | 30.0 | 32.9 | 13.4 | 4             |
|          | 502                             | 45.3 | 43.3 | 43.0 | 41.6 | 37.9 | 37.4 | 33.8 | 33.4 | 15.0 | 4             |
|          | 798                             | 51.8 | 48.7 | 46.6 | 44.0 | 41.4 | 41.0 | 37.4 | 34.4 | 17.5 | 4             |
|          | 1000                            | 54.0 | 51.5 | 49.5 | 45.3 | 43.1 | 42.3 | 38.7 | 34.5 | 19.0 | 4             |
| 1.0inWG  | 192                             | 46.6 | 47.9 | 48.6 | 44.7 | 42.7 | 40.4 | 37.8 | 34.5 | 18.3 | 4             |
|          | 302                             | 46.0 | 47.6 | 48.2 | 45.9 | 44.5 | 42.7 | 38.9 | 34.9 | 19.6 | 4             |
|          | 499                             | 52.3 | 49.6 | 48.7 | 46.0 | 44.1 | 43.6 | 40.7 | 36.0 | 19.7 | 4             |
|          | 801                             | 58.5 | 55.0 | 51.8 | 47.8 | 46.7 | 46.4 | 43.5 | 37.9 | 21.7 | 4             |
|          | 1004                            | 59.4 | 57.9 | 54.3 | 49.2 | 48.1 | 48.0 | 45.2 | 39.5 | 23.2 | 4             |
| 2.0inWG  | 185                             | 51.6 | 54.8 | 56.6 | 48.6 | 48.6 | 47.8 | 45.1 | 40.4 | 25.6 | 3             |
|          | 302                             | 50.3 | 54.4 | 55.6 | 50.8 | 51.4 | 50.4 | 47.3 | 42.4 | 24.9 | 4             |
|          | 503                             | 55.4 | 55.6 | 55.7 | 50.6 | 50.8 | 50.7 | 47.6 | 42.6 | 24.7 | 4             |
|          | 798                             | 61.0 | 61.6 | 57.8 | 52.1 | 51.6 | 52.2 | 50.0 | 44.6 | 27.0 | 3             |
|          | 1000                            | 63.7 | 64.4 | 59.5 | 53.2 | 52.8 | 53.6 | 51.5 | 46.0 | 29.1 | 3             |
| 3.0inWG  | 181                             | 51.8 | 56.7 | 60.1 | 51.8 | 51.4 | 51.6 | 49.5 | 45.6 | 29.8 | 3             |
|          | 304                             | 54.1 | 57.5 | 61.1 | 53.1 | 53.6 | 54.0 | 51.9 | 47.3 | 31.0 | 3             |
|          | 501                             | 57.0 | 58.2 | 60.0 | 54.1 | 55.4 | 55.8 | 52.8 | 48.3 | 29.6 | 3             |
|          | 794                             | 61.9 | 64.0 | 61.6 | 54.8 | 54.7 | 55.9 | 54.0 | 49.2 | 31.6 | 3             |
|          | 1003                            | 65.1 | 67.8 | 63.4 | 56.1 | 55.6 | 57.0 | 55.6 | 50.4 | 33.7 | 3             |

Table 10: 12 inch

| Unit ΔPs | 12in EcoAir RADIATED Sound Data |      |      |      |      |      |      |      |      | NC   | Critical Band |
|----------|---------------------------------|------|------|------|------|------|------|------|------|------|---------------|
|          | Frequency:                      | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |               |
|          | CFM                             | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |               |
| 0.25inWG | 203                             | 38.7 | 37.4 | 41.1 | 33.6 | 28.0 | 25.6 | 24.7 | 31.5 | 7.2  | 3             |
|          | 398                             | 39.7 | 37.9 | 41.8 | 35.6 | 33.5 | 36.1 | 31.9 | 32.0 | 8.5  | 4             |
|          | 799                             | 44.1 | 41.1 | 39.0 | 39.4 | 36.6 | 39.2 | 35.1 | 33.0 | 12.5 | 4             |
|          | 943                             | 47.2 | 43.8 | 40.8 | 40.6 | 38.4 | 40.4 | 36.6 | 32.9 | 13.9 | 4             |
|          | 1509                            | 53.9 | 52.7 | 48.9 | 45.5 | 44.4 | 41.7 | 37.1 | 32.7 | 19.2 | 4             |
| 0.5inWG  | 234                             | 45.0 | 43.7 | 45.1 | 42.1 | 38.5 | 37.5 | 34.7 | 32.7 | 15.6 | 4             |
|          | 401                             | 46.4 | 43.3 | 45.1 | 42.7 | 38.8 | 38.3 | 34.6 | 32.5 | 16.2 | 4             |
|          | 798                             | 51.7 | 47.1 | 45.1 | 46.8 | 41.6 | 40.8 | 37.1 | 32.9 | 20.6 | 4             |
|          | 1202                            | 56.1 | 52.5 | 47.4 | 47.2 | 45.0 | 42.0 | 38.5 | 33.3 | 21.1 | 4             |
|          | 1506                            | 59.2 | 55.7 | 50.6 | 48.6 | 47.3 | 44.6 | 41.2 | 34.2 | 22.6 | 4             |

Table 10: 12 inch (continued)

| Unit ΔPs | 12in EcoAir RADIATED Sound Data |      |      |      |      |      |      |      |      | NC   | Critical Band |
|----------|---------------------------------|------|------|------|------|------|------|------|------|------|---------------|
|          | Frequency:                      | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |               |
|          | CFM                             | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |               |
| 1.0inWG  | 213                             | 50.5 | 49.8 | 48.9 | 48.1 | 45.9 | 42.7 | 40.2 | 35.1 | 22.1 | 4             |
|          | 403                             | 52.2 | 50.0 | 49.0 | 49.0 | 46.5 | 43.8 | 40.9 | 34.7 | 23.1 | 4             |
|          | 799                             | 57.9 | 53.4 | 49.8 | 51.0 | 47.8 | 45.9 | 42.9 | 35.8 | 25.2 | 4             |
|          | 1203                            | 62.4 | 57.5 | 52.2 | 51.6 | 50.2 | 47.2 | 44.4 | 36.7 | 25.9 | 4             |
|          | 1504                            | 63.8 | 60.1 | 54.3 | 51.6 | 51.8 | 49.1 | 46.3 | 38.2 | 25.8 | 4             |
| 2.0inWG  | 198                             | 55.8 | 54.7 | 55.3 | 51.7 | 52.6 | 49.9 | 47.4 | 41.4 | 25.9 | 4             |
|          | 396                             | 57.5 | 56.4 | 54.6 | 53.1 | 54.4 | 52.8 | 49.8 | 42.4 | 27.5 | 4             |
|          | 795                             | 61.9 | 59.2 | 55.8 | 54.2 | 54.0 | 52.5 | 49.8 | 43.1 | 28.6 | 4             |
|          | 1202                            | 66.5 | 63.1 | 57.6 | 55.3 | 55.7 | 54.1 | 51.1 | 43.8 | 29.9 | 4             |
|          | 1502                            | 68.6 | 66.5 | 59.3 | 56.1 | 57.4 | 55.6 | 52.5 | 45.1 | 30.7 | 2             |
| 3.0inWG  | 198                             | 59.4 | 59.5 | 61.5 | 52.7 | 55.6 | 54.9 | 53.2 | 47.5 | 31.4 | 3             |
|          | 400                             | 61.0 | 60.8 | 59.3 | 54.9 | 57.8 | 57.5 | 54.7 | 47.6 | 30.3 | 5             |
|          | 805                             | 63.7 | 62.5 | 59.8 | 56.2 | 57.9 | 57.1 | 54.3 | 47.6 | 30.9 | 4             |
|          | 1210                            | 68.1 | 65.8 | 61.0 | 57.1 | 58.6 | 58.0 | 55.3 | 48.2 | 31.8 | 4             |
|          | 1499                            | 71.4 | 68.6 | 62.2 | 58.0 | 59.6 | 58.9 | 56.1 | 49.0 | 33.4 | 2             |

Table 11: 14 inch

| Unit ΔPs | 14in EcoAir RADIATED Sound Data |      |      |      |      |      |      |      |      | NC   | Critical Band |
|----------|---------------------------------|------|------|------|------|------|------|------|------|------|---------------|
|          | Frequency:                      | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |               |
|          | CFM                             | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |               |
| 0.25inWG | 310                             | 40.1 | 38.7 | 42.1 | 33.5 | 27.5 | 25.6 | 24.4 | 31.7 | 8.4  | 3             |
|          | 606                             | 40.3 | 38.4 | 42.4 | 35.3 | 29.9 | 26.9 | 25.0 | 31.7 | 8.8  | 3             |
|          | 1011                            | 45.2 | 40.9 | 41.6 | 40.0 | 33.7 | 29.5 | 26.8 | 31.7 | 13.3 | 4             |
|          | 1605                            | 51.6 | 47.0 | 43.4 | 43.2 | 39.8 | 37.0 | 32.3 | 32.0 | 16.7 | 4             |
|          | 2200                            | 55.9 | 51.6 | 47.6 | 46.7 | 43.4 | 41.0 | 36.8 | 32.5 | 20.5 | 4             |
| 0.5inWG  | 315                             | 46.5 | 45.5 | 47.4 | 42.4 | 37.2 | 34.2 | 31.4 | 31.9 | 15.8 | 4             |
|          | 600                             | 47.7 | 44.5 | 46.4 | 42.6 | 37.5 | 34.7 | 31.8 | 31.9 | 16.1 | 4             |
|          | 1009                            | 50.5 | 46.6 | 46.0 | 45.9 | 39.6 | 37.4 | 34.1 | 32.2 | 19.7 | 4             |
|          | 1603                            | 56.3 | 51.8 | 47.0 | 48.0 | 43.4 | 41.6 | 38.1 | 33.2 | 21.9 | 4             |
|          | 2196                            | 60.1 | 55.1 | 50.3 | 49.2 | 46.2 | 44.9 | 41.7 | 34.2 | 23.2 | 4             |
| 1.0inWG  | 296                             | 53.8 | 51.8 | 52.4 | 50.7 | 46.7 | 43.6 | 41.4 | 34.9 | 24.9 | 4             |
|          | 601                             | 54.4 | 51.6 | 51.1 | 49.8 | 46.0 | 42.8 | 40.9 | 35.0 | 23.9 | 4             |
|          | 1015                            | 57.0 | 52.8 | 50.9 | 51.1 | 46.4 | 44.2 | 42.8 | 36.0 | 25.2 | 4             |
|          | 1614                            | 62.7 | 56.9 | 52.6 | 53.1 | 49.2 | 46.6 | 45.0 | 37.6 | 27.4 | 4             |
|          | 2195                            | 65.9 | 60.4 | 55.3 | 54.5 | 52.5 | 49.7 | 48.1 | 40.0 | 29.0 | 4             |

Table 11: 14 inch (continued)

| Unit $\Delta$ Ps | 14in EcoAir RADIATED Sound Data |      |      |      |      |      |      |      |      | NC   | Critical Band |
|------------------|---------------------------------|------|------|------|------|------|------|------|------|------|---------------|
|                  | Frequency:                      | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |               |
|                  | CFM                             | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |               |
| 2.0inWG          | 307                             | 59.6 | 57.9 | 58.0 | 54.9 | 54.0 | 51.2 | 48.8 | 41.3 | 29.5 | 4             |
|                  | 588                             | 61.9 | 59.3 | 58.2 | 56.0 | 54.8 | 52.2 | 50.4 | 43.9 | 30.7 | 4             |
|                  | 1004                            | 62.6 | 59.3 | 57.3 | 55.6 | 54.4 | 52.1 | 50.8 | 44.7 | 30.1 | 4             |
|                  | 1603                            | 67.0 | 62.1 | 58.2 | 56.7 | 55.4 | 53.3 | 51.9 | 45.8 | 31.4 | 4             |
|                  | 2202                            | 70.5 | 65.9 | 60.5 | 58.4 | 57.8 | 55.0 | 53.2 | 46.8 | 33.3 | 4             |
| 3.0inWG          | 304                             | 62.4 | 59.9 | 62.0 | 55.7 | 56.4 | 55.0 | 53.1 | 46.5 | 32.0 | 3             |
|                  | 601                             | 66.3 | 62.7 | 62.4 | 59.2 | 59.9 | 57.6 | 55.5 | 49.2 | 34.0 | 4             |
|                  | 1005                            | 65.9 | 63.3 | 62.5 | 58.1 | 59.0 | 57.0 | 54.7 | 49.8 | 32.9 | 4             |
|                  | 1605                            | 70.1 | 65.8 | 62.2 | 59.4 | 59.5 | 57.8 | 56.1 | 50.8 | 34.3 | 4             |
|                  | 2206                            | 73.5 | 69.2 | 63.9 | 61.2 | 60.8 | 58.8 | 56.6 | 51.1 | 36.3 | 4             |

## EcoAir Valve Discharge Sound Data

Tested in accordance to ASHRAE 130

Table 12: 8 inch

| Unit $\Delta$ Ps | 8in EcoAir DISCHARGE Sound Data |      |      |      |      |      |      |      |      | NC   |
|------------------|---------------------------------|------|------|------|------|------|------|------|------|------|
|                  | Frequency:                      | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |
|                  | CFM                             | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |
| 0.25inWG         | 128                             | 57.0 | 53.7 | 50.4 | 51.1 | 47.4 | 39.6 | 32.0 | 35.0 | 7.6  |
|                  | 302                             | 63.6 | 59.2 | 52.5 | 54.4 | 53.9 | 43.2 | 37.8 | 35.5 | 9.8  |
|                  | 438                             | 60.4 | 57.9 | 52.6 | 48.3 | 48.5 | 45.5 | 42.3 | 36.6 | 9.1  |
| 0.5inWG          | 600                             | 69.9 | 69.3 | 66.0 | 61.8 | 60.2 | 56.8 | 53.7 | 45.5 | 24.9 |
|                  | 498                             | 73.8 | 71.1 | 64.6 | 61.3 | 61.3 | 54.0 | 50.1 | 42.5 | 25.1 |
|                  | 303                             | 69.6 | 66.0 | 60.3 | 60.4 | 57.9 | 49.8 | 44.5 | 38.5 | 18.5 |
|                  | 131                             | 62.5 | 59.4 | 55.4 | 58.3 | 54.8 | 48.3 | 41.9 | 36.6 | 13.9 |
| 1.0inWG          | 131                             | 68.0 | 64.5 | 61.0 | 63.2 | 63.4 | 57.3 | 50.9 | 44.9 | 20.4 |
|                  | 304                             | 74.8 | 71.4 | 67.2 | 65.1 | 65.2 | 58.2 | 53.1 | 47.1 | 26.3 |
|                  | 496                             | 79.7 | 76.9 | 71.3 | 66.6 | 66.5 | 59.0 | 55.0 | 48.8 | 32.5 |
|                  | 602                             | 81.1 | 78.5 | 73.3 | 68.3 | 67.1 | 60.5 | 56.8 | 50.6 | 34.5 |
|                  | 700                             | 81.2 | 80.2 | 75.5 | 69.9 | 67.9 | 62.6 | 59.1 | 53.1 | 36.8 |
| 2.0inWG          | 703                             | 86.6 | 84.8 | 81.3 | 76.1 | 72.7 | 68.0 | 63.7 | 58.5 | 41.8 |
|                  | 601                             | 84.6 | 83.1 | 79.4 | 74.5 | 71.8 | 66.9 | 62.8 | 57.4 | 40.8 |
|                  | 503                             | 83.2 | 80.9 | 77.4 | 73.0 | 71.3 | 66.5 | 62.1 | 56.9 | 38.5 |
|                  | 301                             | 79.0 | 76.4 | 72.7 | 69.8 | 70.7 | 66.3 | 61.0 | 55.9 | 32.8 |
|                  | 141                             | 72.6 | 70.0 | 67.1 | 68.0 | 70.2 | 66.5 | 60.5 | 54.7 | 27.5 |
| 3.0inWG          | 143                             | 75.7 | 72.7 | 70.8 | 70.5 | 72.9 | 71.3 | 66.3 | 60.2 | 31.8 |
|                  | 301                             | 80.5 | 78.4 | 75.6 | 72.8 | 73.9 | 71.5 | 66.3 | 61.0 | 36.2 |
|                  | 499                             | 85.5 | 83.3 | 80.6 | 76.5 | 74.6 | 71.7 | 67.2 | 62.0 | 42.2 |
|                  | 599                             | 87.6 | 85.5 | 82.5 | 78.2 | 75.2 | 72.0 | 67.8 | 62.5 | 44.5 |
|                  | 701                             | 89.1 | 86.9 | 84.4 | 79.8 | 76.0 | 72.3 | 68.3 | 63.0 | 45.6 |

Table 13: 10 inch

| Unit ΔPs | 10in EcoAir DISCHARGE Sound Data |      |      |      |      |      |      |      |      | NC   |
|----------|----------------------------------|------|------|------|------|------|------|------|------|------|
|          | Frequency:                       | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |
|          | CFM                              | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |
| 0.25inWG | 210                              | 55.9 | 47.0 | 52.0 | 53.3 | 47.0 | 40.9 | 34.0 | 33.6 | 9.5  |
|          | 304                              | 59.0 | 48.8 | 51.1 | 53.8 | 47.4 | 42.3 | 36.1 | 33.8 | 7.2  |
|          | 497                              | 62.6 | 52.5 | 50.7 | 56.4 | 49.8 | 45.4 | 40.2 | 34.8 | 9.3  |
|          | 800                              | 68.8 | 59.8 | 54.6 | 57.9 | 54.0 | 50.8 | 46.8 | 39.1 | 10.8 |
|          | 998                              | 70.4 | 64.9 | 59.8 | 58.1 | 56.1 | 54.7 | 50.4 | 42.9 | 16.3 |
| 0.5inWG  | 998                              | 77.1 | 67.5 | 62.2 | 62.9 | 60.8 | 57.9 | 55.2 | 48.9 | 19.3 |
|          | 801                              | 75.3 | 64.6 | 59.3 | 62.7 | 59.7 | 55.8 | 52.8 | 46.2 | 16.6 |
|          | 504                              | 70.5 | 58.4 | 56.1 | 61.7 | 56.6 | 52.0 | 48.4 | 41.2 | 15.0 |
|          | 296                              | 64.6 | 55.5 | 56.1 | 60.8 | 55.8 | 50.1 | 45.6 | 38.8 | 15.2 |
|          | 190                              | 61.9 | 53.5 | 56.9 | 60.7 | 56.2 | 49.9 | 44.5 | 37.7 | 15.3 |
| 1.0inWG  | 209                              | 69.2 | 61.5 | 62.4 | 66.2 | 65.1 | 59.2 | 53.8 | 48.3 | 21.8 |
|          | 306                              | 71.9 | 62.1 | 61.8 | 66.2 | 64.8 | 59.3 | 54.0 | 48.7 | 20.0 |
|          | 509                              | 77.9 | 65.8 | 62.2 | 66.5 | 64.5 | 59.9 | 55.8 | 50.3 | 20.4 |
|          | 797                              | 81.6 | 71.0 | 64.9 | 66.9 | 66.1 | 62.1 | 58.9 | 53.4 | 22.5 |
|          | 996                              | 83.5 | 74.4 | 67.4 | 67.6 | 67.6 | 63.9 | 61.0 | 55.9 | 26.7 |
| 2.0inWG  | 1006                             | 89.1 | 82.0 | 73.0 | 72.1 | 73.6 | 70.7 | 67.5 | 62.7 | 36.5 |
|          | 799                              | 86.6 | 78.8 | 72.0 | 71.5 | 72.8 | 69.5 | 65.8 | 61.1 | 32.3 |
|          | 493                              | 79.5 | 71.8 | 69.7 | 70.5 | 72.3 | 68.3 | 63.4 | 58.9 | 29.3 |
|          | 310                              | 76.3 | 69.3 | 69.8 | 70.0 | 72.2 | 68.4 | 63.1 | 58.3 | 29.5 |
|          | 198                              | 77.4 | 68.6 | 70.4 | 69.4 | 71.5 | 67.4 | 61.9 | 57.9 | 31.3 |
| 3.0inWG  | 199                              | 79.5 | 71.3 | 74.9 | 72.7 | 74.4 | 71.2 | 66.5 | 63.3 | 36.7 |
|          | 302                              | 80.6 | 71.5 | 74.5 | 72.8 | 75.9 | 73.1 | 68.3 | 63.8 | 35.0 |
|          | 506                              | 82.5 | 74.9 | 74.7 | 73.6 | 76.6 | 73.7 | 69.1 | 64.6 | 35.2 |
|          | 805                              | 87.3 | 80.7 | 75.7 | 74.1 | 76.7 | 74.2 | 70.3 | 65.8 | 35.2 |
|          | 1003                             | 89.9 | 84.4 | 77.0 | 75.0 | 77.2 | 74.8 | 71.6 | 66.9 | 39.5 |

Table 14: 12 inch

| Unit ΔPs | 12in EcoAir DISCHARGE Sound Data |      |      |      |      |      |      |      |      | NC   |
|----------|----------------------------------|------|------|------|------|------|------|------|------|------|
|          | Frequency:                       | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |
|          | CFM                              | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |
| 0.25inWG | 207                              | 56.4 | 50.7 | 57.7 | 56.0 | 50.2 | 43.3 | 36.1 | 33.3 | 16.2 |
|          | 399                              | 60.3 | 50.6 | 57.7 | 57.3 | 51.5 | 44.3 | 38.4 | 34.3 | 15.0 |
|          | 794                              | 61.7 | 54.3 | 56.8 | 61.5 | 55.3 | 48.7 | 44.4 | 38.8 | 13.8 |
|          | 1200                             | 68.1 | 59.9 | 55.6 | 60.8 | 58.3 | 53.7 | 48.7 | 42.1 | 13.0 |
|          | 1507                             | 69.8 | 64.9 | 60.8 | 60.4 | 60.6 | 57.4 | 52.3 | 45.8 | 17.5 |
| 0.5inWG  | 1506                             | 78.3 | 68.8 | 63.4 | 66.2 | 66.5 | 61.9 | 57.8 | 52.8 | 21.5 |
|          | 1202                             | 74.4 | 65.0 | 60.4 | 68.2 | 65.0 | 58.8 | 54.9 | 50.1 | 21.1 |
|          | 792                              | 69.1 | 60.2 | 61.1 | 68.4 | 62.9 | 55.2 | 51.6 | 46.7 | 21.3 |
|          | 399                              | 62.3 | 56.1 | 62.2 | 64.0 | 60.2 | 52.4 | 47.5 | 41.8 | 20.4 |
|          | 207                              | 61.7 | 56.0 | 62.6 | 63.1 | 59.6 | 52.1 | 46.9 | 40.3 | 22.0 |

Table 14: 12 inch (continued)

| Unit ΔPs | 12in EcoAir DISCHARGE Sound Data |      |      |      |      |      |      |      |      | NC   |
|----------|----------------------------------|------|------|------|------|------|------|------|------|------|
|          | Frequency:                       | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |
|          | CFM                              | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |
| 1.0inWG  | 202                              | 69.5 | 63.6 | 65.9 | 70.5 | 68.4 | 61.2 | 56.2 | 51.9 | 25.9 |
|          | 398                              | 71.3 | 63.9 | 66.0 | 71.1 | 69.3 | 61.9 | 56.8 | 52.4 | 25.3 |
|          | 798                              | 76.5 | 66.9 | 65.6 | 72.9 | 70.4 | 63.0 | 58.7 | 54.9 | 26.2 |
|          | 1206                             | 81.8 | 70.6 | 66.7 | 73.4 | 72.9 | 65.9 | 62.0 | 58.2 | 26.7 |
|          | 1501                             | 83.5 | 73.7 | 68.5 | 71.9 | 74.3 | 67.8 | 64.1 | 60.2 | 27.6 |
| 2.0inWG  | 1514                             | 88.0 | 80.0 | 74.2 | 75.6 | 80.4 | 74.5 | 70.0 | 66.6 | 33.9 |
|          | 1203                             | 85.0 | 76.9 | 72.8 | 75.5 | 78.8 | 72.8 | 68.1 | 64.8 | 31.8 |
|          | 800                              | 80.7 | 73.6 | 71.7 | 75.4 | 77.1 | 71.2 | 66.0 | 62.8 | 30.5 |
|          | 407                              | 78.9 | 71.7 | 71.5 | 75.0 | 77.0 | 71.3 | 65.9 | 61.9 | 31.5 |
|          | 198                              | 75.7 | 68.7 | 71.4 | 73.1 | 75.9 | 69.9 | 64.6 | 62.1 | 32.5 |
| 3.0inWG  | 198                              | 80.2 | 73.5 | 76.6 | 73.9 | 78.7 | 74.0 | 69.5 | 67.5 | 38.7 |
|          | 404                              | 81.0 | 74.8 | 75.8 | 76.4 | 80.6 | 75.9 | 70.8 | 67.2 | 36.6 |
|          | 798                              | 83.8 | 76.5 | 76.1 | 76.9 | 81.2 | 76.6 | 71.2 | 68.0 | 35.7 |
|          | 1195                             | 88.5 | 79.9 | 76.6 | 77.1 | 81.6 | 77.1 | 72.4 | 69.2 | 36.3 |
|          | 1510                             | 91.8 | 82.8 | 77.8 | 77.3 | 82.6 | 78.3 | 73.8 | 70.5 | 37.8 |

Table 15: 14 inch

| Unit ΔPs | 14in EcoAir DISCHARGE Sound Data |      |      |      |      |      |      |      |      | NC   |
|----------|----------------------------------|------|------|------|------|------|------|------|------|------|
|          | Frequency:                       | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |
|          | CFM                              | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |
| 0.25inWG | 293                              | 54.9 | 50.7 | 57.6 | 54.2 | 49.6 | 43.5 | 34.5 | 33.1 | 16.1 |
|          | 601                              | 56.3 | 49.2 | 57.8 | 55.6 | 50.9 | 44.5 | 37.4 | 33.8 | 15.2 |
|          | 1014                             | 62.2 | 51.7 | 58.5 | 59.5 | 54.0 | 48.2 | 42.8 | 36.7 | 14.9 |
|          | 1601                             | 65.7 | 57.2 | 54.0 | 56.5 | 56.2 | 52.7 | 47.8 | 41.5 | 11.7 |
|          | 2192                             | 70.7 | 63.6 | 60.1 | 60.5 | 61.1 | 58.5 | 53.7 | 48.6 | 17.5 |
| 0.5inWG  | 2192                             | 77.7 | 66.9 | 62.9 | 64.2 | 64.6 | 62.3 | 57.7 | 52.5 | 21.4 |
|          | 1601                             | 73.1 | 62.5 | 60.2 | 67.4 | 63.1 | 58.9 | 54.1 | 48.6 | 20.1 |
|          | 1007                             | 67.6 | 57.3 | 62.9 | 66.0 | 60.5 | 54.1 | 49.5 | 43.3 | 20.0 |
|          | 601                              | 63.5 | 55.4 | 63.2 | 62.7 | 58.8 | 52.2 | 46.6 | 40.5 | 21.7 |
|          | 301                              | 64.0 | 57.8 | 63.9 | 62.2 | 59.2 | 52.7 | 46.2 | 39.6 | 22.4 |
| 1.0inWG  | 304                              | 71.5 | 64.4 | 68.1 | 70.9 | 68.5 | 61.9 | 56.2 | 51.2 | 27.4 |
|          | 598                              | 70.9 | 63.5 | 66.9 | 70.0 | 67.8 | 61.1 | 55.9 | 51.4 | 25.9 |
|          | 1012                             | 74.0 | 63.8 | 66.0 | 71.4 | 67.9 | 61.6 | 57.2 | 52.5 | 24.5 |
|          | 1599                             | 79.6 | 68.2 | 66.2 | 72.9 | 70.5 | 64.8 | 61.0 | 56.3 | 26.1 |
|          | 2197                             | 83.9 | 72.5 | 68.6 | 71.3 | 73.5 | 67.7 | 64.3 | 59.5 | 27.8 |
| 2.0inWG  | 2191                             | 89.0 | 78.4 | 74.6 | 75.8 | 80.0 | 73.9 | 69.7 | 66.3 | 34.0 |
|          | 1605                             | 84.9 | 74.4 | 72.4 | 75.3 | 77.6 | 71.7 | 66.9 | 63.5 | 31.3 |
|          | 1022                             | 79.5 | 71.3 | 72.2 | 75.3 | 76.5 | 70.6 | 65.2 | 62.2 | 31.1 |
|          | 594                              | 78.9 | 72.0 | 73.9 | 75.3 | 76.9 | 70.9 | 65.5 | 61.9 | 34.3 |
|          | 307                              | 77.9 | 71.2 | 74.1 | 75.0 | 76.8 | 70.3 | 65.0 | 61.4 | 34.5 |

**Table 15: 14 inch (continued)**

| Unit ΔPs | 14in EcoAir DISCHARGE Sound Data |      |      |      |      |      |      |      |      | NC   |
|----------|----------------------------------|------|------|------|------|------|------|------|------|------|
|          | Frequency:                       | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |      |
|          | CFM                              | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |      |
| 3.0inWG  | 307                              | 81.8 | 73.9 | 76.9 | 74.1 | 78.2 | 73.0 | 68.9 | 66.9 | 37.8 |
|          | 603                              | 84.7 | 76.6 | 77.9 | 77.0 | 81.4 | 76.3 | 70.8 | 67.6 | 39.0 |
|          | 1015                             | 84.4 | 75.8 | 77.4 | 77.3 | 81.4 | 76.1 | 70.5 | 68.1 | 37.3 |
|          | 1605                             | 88.1 | 77.6 | 76.4 | 76.8 | 81.2 | 76.1 | 71.0 | 68.1 | 36.0 |
|          | 2203                             | 92.1 | 81.9 | 77.4 | 77.0 | 81.9 | 76.9 | 72.5 | 69.1 | 37.3 |

## North American Emissions Compliance

### United States

This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when this equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference, in which case users will be required to correct the interference at their own expense.

### Canada

This Class (A) digital apparatus meets all the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la Classe (A) respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

## Contact Information

[www.triatek.com](http://www.triatek.com)