

PHENOMENAL AIRE

HIGH PERFORMANCE INDOOR AIR QUALITY TECHNOLOGY

SERIES

C10 PULSE

PRODUCT DATA SHEET

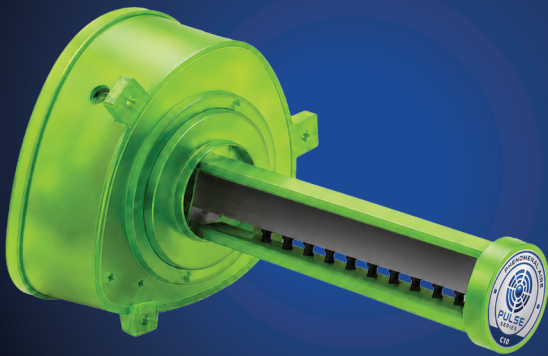


Duct-mounted Tunable Bipolar Pulsed Ionization TBPI® system for commercial HVAC operations.

Pulsed. Tunable. Auto-cleaning. Close-to-space ion delivery.

SERIES C10 PULSE UNIT

Commercial duct-mounted platform powered by AEIRO.



Auto-cleaning

20 carbon fiber emitters

No scheduled replacement parts

CORE PERFORMANCE

10,000
CFM
AIRFLOW
CAPACITY

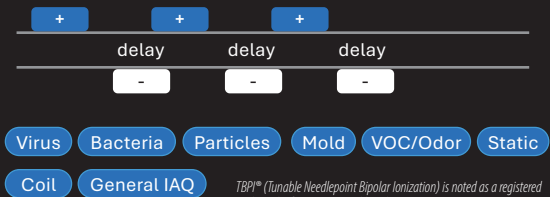
>4.0B
IONS/CC
COMBINED

<9W
POWER
CONSUMPTION

24V
AC/DC
STANDARD

TARGETED BIPOLAR PULSED IONIZATION

TBPI® controls ion polarity and timing to target selected contaminant classes while reducing immediate positive/negative ion recombination near the emitter.



STANDARD FEATURES

- ✓ Pulsed ionization output
- ✓ Tunable ionization output*
- ✓ Wi-Fi controllable with subscription
- ✓ 2.4 GHz Wi-Fi (not compatible with 5 GHz)
- ✓ Auto-cleaning system
- ✓ 20 carbon fiber brush ionization emitters
- ✓ Alarm "dry" contacts
- ✓ 3-year extended warranty included with monitoring subscription

APPLICATION PROFILE

Designed for duct mounting. Ideal for complex duct setups and zone systems downstream of a VAV box, where closer-to-space installation can improve useful ion density.

DUCT
MOUNT

VAV
ZONE

IAQ
MODE

TECHNICAL SPECIFICATIONS

Model:	Phenomenal Aire Series C10 Pulse	Frequency:	50/60 Hz
Airflow Capacity:	10,000 CFM (16,990 m3/h)	Wi-Fi:	2.4 GHz
Capacity Rating:	25 tons	Output Electrodes:	10 carbon fiber electrodes per polarity
Total Ion Output:	>4.0B ions/cc (combined)	Dimensions (Dia x L):	7 x 13.5 in (175 x 337.5 mm)
Temperature Range:	-20 to 140°F (-28.9 to 60°C)	Weight:	2.0 lbs (0.91 kg)
Humidity Range:	0-95% RH, non-condensing	Compliance:	FCC, RoHS, UL 867, UL 2998 Compliant, CARB**, Prop 65**
Input Voltage - Standard:	24VAC/DC	Electrical Approvals:	ETL, CAN/CSA
Input Voltage - Optional:	110-277VAC with power supply		
Power Consumption:	<9 watts		

* Tunable control requires a paid subscription
** Expected by Q4 2026

CONTROL DEFAULT

General IAQ fail-safe: when Wi-Fi is not connected or monitoring subscription is inactive, the unit operates in General IAQ mode with equal positive/negative ion timing and fixed pulse delay. If power is lost, the unit resumes from the last commanded setting.

ENERGY SAVINGS / IAQP

ASHRAE 62.1 Indoor Air Quality Procedure may allow outside-air reduction when indoor air is cleaned and recirculated. C10 Pulse + carbon filtration may support OA reduction up to 75%, subject to building pressurization and application review.



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