September 23, 2026
Project No. 10456870 Task 4.0

Ms. Marlen Salazar
New York State Department of Environmental Conservation
Division of Environmental Remediation | Section A, Region 2
47-40 21st Street
Long Island City, New York 11101

Re: VCP Index No. D2-0001-01-05
VCP Site ID No. V00425-2
LFNY Corrective Measures Work Plan (CMWP)
Addendum #2 – Pilot Test Scope and CM updates

A Corrective Measures Work Plan (CMWP; dated January 30, 2026) prepared for the above-referenced site was approved by NYSDEC on February 2, 2026. Subsequently, the approved corrective measures were installed at the site within the Lower Level 2 (LL2) SW Pit Room. As part of the approved CMWP, HDR also collected indoor air samples at the site in February and March 2026. This data and the implemented corrective measures have been reported to and discussed with the NYSDEC and NYSDOH, including on a conference call of April 15, 2026. Based on feedback received, HDR (on behalf of LFNY) then prepared Addendum #1 to the approved CMWP. The work conducted under Addendum #1 included collection and analysis of TO-15 samples from three of the foundation drainage system cleanouts in LL2. In addition, a sample was collected from the SW Pit Room, and indoor air samples were collected from the LL2 gymnasiums. An outdoor air sample was collected at this time, as well. This sampling event was conducted on June 19, 2026.

This and other data along with implemented and planned corrective measures have been reported to NYSDEC and NYSDOH over previous weeks. Follow-on sampling in the SW Pit Room was conducted on August 19, 2026, after the filters in the approved corrective measures in that room were changed out. A teleconference was held on August 28, 2026, to discuss the results of the sampling events and additional corrective measures to be implemented.

Based on feedback received, HDR (on behalf of LFNY) has prepared this Addendum #2 to the approved CMWP. HDR is requesting review and approval herein to conduct a pilot test to evaluate the influence of an applied vacuum to the sub-slab environment through the existing foundation drainage system[1]. Post-test sampling (using Summa canisters) at three cleanouts will be conducted for purposes of assessing the evacuation of vapors from the sub-slab and further evaluating potential next steps, including the feasibility of installing a sub-slab depressurization system (SSDS) at the site. Differential pressure (DP) measurements will be collected from LL2 cleanout locations prior to and during the test. Details on the proposed

[1] As reported, the foundation drainage system has been observed to be dry (no or very low flow to the sump) since approximately April 2025. This condition may be facilitating a build-up of vapor below the slab, without the normal (historically observed) flow of shallow water below the building. The dry condition should be amenable for the proposed pilot test.

scope of this test are included below. Figure 1 is provided as a reference.

Updates and descriptions of on-going monitoring and corrective measures which have been reported in email communications and conference calls to the agencies are included in the second part of this Addendum #2 document.

1. Proposed Pilot / Communication Test Scope

The following pilot test work is proposed under this Addendum #2:

- Conducting a pilot / communication test using one of the LL2 foundation drainage system cleanouts as a suction point and documenting the area of influence under the LL2 slab through real-time monitoring of four other LL2 cleanouts. The proposed suction point (NW portion of LL2) and the cleanouts to be monitored for differential pressure (DP) readings during the pilot test are shown on Figure 1.
- Collection and analysis of TO-15 vapor samples from LL2 cleanouts (3) after the pilot communication test has been completed. These three cleanouts were sampled in June 2026 and are located in the Large (north) Gymnasium, the Small (south) Gymnasium, and at the NW corner of LL2 (see Figure 1). The June 2026 cleanout data will be used as “baseline” data for the pilot test.

The work described in this Addendum #2 will be conducted on a weekend or an overnight period when there are no students present in the school. As all equipment will be installed on the property, the need for permits to conduct the pilot test is not anticipated.

TTWORKS (subcontractor to HDR) will mobilize, set-up, and administer the pilot communication test. HDR will be on-site for the duration of the pilot test to observe the activities, monitor the pilot test equipment and components, collect DP measurements, and document the data collected during the pilot test.

Prior to initiating the pilot communication test, DP readings will be collected from four cleanout locations to provide baseline DP values. The DP measurements will be recorded in inches of water. The cleanout in the northwest portion of LL2 will be used to pull a vacuum under the slab for the pilot test. The suction point and the four DP monitoring locations are depicted in Figure 1. The four DP monitoring locations include:

- North Gymnasium (cleanout located along the east side of the gym; sampled in June 2026)
- South Gymnasium (cleanout located in the southeast area of the gym; sampled in June 2026)
- Along the west wall of LL2 (cleanout located south of the suction point for the pilot test); and
- In the central portion of LL2 (cleanout located in the storage room off the Auditorium).

The four cleanouts to be monitored will be outfitted with vapor-tight caps with sample ports that will be used to collect DP readings over the course of the pilot test.

A 1-HP Ametek Rotron DR404 regenerative blower will be used to generate the vacuum under the LL2 slab for the communication test. The blower will be operated at 80 - 100 cfm and be located outdoors in the ground level drive-through area along the western side of the building. The pilot test will use pressure-rated suction hose sections (2") with cam-lock fittings that will be run from the northwest cleanout in LL2 up a nearby stairwell and outdoors to the blower location (see below image). Approximately 220-ft of suction hose is required. The discharge side of the blower will be connected to an Air General 55-gallon granular activated carbon drum containing 150 lbs of virgin carbon to remove the collected vapor-phase VOCs pulled from under the slab during the test. Information and spec sheets for the blower and the carbon drum are included as **Attachment A**.



The pilot communication test will be run for a minimum of 8 hours and a maximum of 12 hours. During the communications test interval, TTWORKS and HDR will monitor the blower, pipe runs and connections, and the carbon drum, and collect DP measurements from the four LL2 cleanout locations every 30 to 60 minutes for the duration of the pilot test to document the radius of influence from the suction point.

Towards the end of the pilot communication test, influent (prior to the carbon drum) and effluent (after the carbon drum) samples will be collected to assess the effectiveness of the carbon treatment. These samples will be collected with 6-liter air canisters over a 1-hour interval. The sampling canisters and regulators will be provided by the analytical laboratory (Eurofins-TestAmerica). The canisters will be submitted for laboratory analysis for the full TO-15 parameter list.

A Trip Report with documentations of the pilot test equipment and operation, DP readings, influent and effluent sampling at the carbon treatment, and photos will be prepared and submitted to NYSDEC and NYSDOH within 48 hours of the completion of the pilot test. HDR will prepare a Job Hazard Analysis (JHA) for the Pilot Test activities to identify and address potential hazards and confirm the appropriate equipment and supplies will be available to conduct the work in a safe manner.

Following the pilot test, all equipment and materials will be decommissioned. The carbon drum will remain at the site for future use. Approximately 1 week after the pilot test is completed, Summa canister samples will be collected from the (same) three cleanout locations that were sampled in June 2026. The post-pilot test samples will be collected with 6-liter air canisters outfitted with 8-hour flow regulators. The samples will be analyzed for the full TO-15 list of parameters by Eurofins-TestAmerica. The results of these samples will be summarized in tabular form and submitted to NYSDEC and NYSDOH within 48 hours of receipt of the analytical data via email correspondence.

Based on the results of the corrective measures and the Addendum #2 activities, and based on school activities, a schedule will be established for the collection of additional indoor air samples in the LL2 area. Planned sampling schedules will be communicated to NYSDEC and NYSDOH in advance of conducting the work.

Schedule and Reporting

If approved, the work described above will be conducted as early as possible (i.e., September or possibly October 2026) at a time when the school is not in session and LL2 is unoccupied. After the Addendum #2 work plan activities are completed and the data have been received from the laboratory, a Corrective Measures Report will be prepared to include descriptions of the corrective measures implemented and the pilot study results, and summaries of data collected as part of the CMWP and its Addenda. It is anticipated that the Report will be submitted in Q4 2026.

2. Recent Corrective Measures and LL2 Activities

HDR and LFNY continue to implement, monitor, and report on several corrective measures that have been installed or are planned for the site (listed below).

1. Review of Outdoor Air Percentage. In August, a review of the air intakes and air handling units (AHUs) in LL2 revealed that the percentage of outdoor air in the LL2 air makeup was less than 20%. The percentage was visually determined by inspecting the positions of the dampers on the AHUs. On August 6, the percentage was increased to 25%. LFNY

plans to maintain 25% outdoor air in its LL2 systems and is coordinating with a vender to install monitors to confirm this percentage is maintained over time. A notification to Facility Staff ("critical alarm") as part of the building information system is also being deployed.

2. Carbon filters in the LL2 AHUs. The three AHUs that service the LL2 areas (gymnasiums and hallways/common areas) have been assessed during Summer 2026 with the school's mechanical engineer and American Air Filter. As previously reported, carbon pre-filters (see spec sheet in **Attachment B**) have been installed in AHU 4 (servicing the small gym) and partially installed (in 4 of 6 filter slots) in AHU 1 (hallway / common area unit). On September 3, 2026, additional (remaining) carbon pre-filters for AHU 1 and new pre-filters for AHU 3 (unit servicing the large gym) were installed. Changeout frequency of all AHU carbon pre-filters is being assessed at this time; currently, they are scheduled to be replaced on a quarterly basis pending further assessment of carbon life.

3. SW Pit Room access. HDR has communicated and prepared a summary protocol for LFNY Facility Staff that access the pit room to monitor building systems. It has long been confirmed that this mechanical room (containing building controls, a sewer ejector pit, the foundation underdrain system's sump pit, and the carbon pre-treatment system for foundation waters) is only accessible to Facility Staff and designated subcontractors and not to other occupants of the building. Unless there is an emergency condition, the school staff will only access this room for a brief time during the overnight shift to check on equipment or replace carbon in the SW Pit Room CMs that have been installed (see below). In addition, the sump pit cover will remain closed and the cover seals will be confirmed. Foundation flow (if again present) is monitored through a flow meter situated downstream of the water pre-treatment system.

4. SW Pit Room CMs. The approved active and passive venting systems in the pit room continue to be operational. A change out of the carbon filter cartridges associated with these units (the active OmniAire 600 Nitro unit and the passive Solberg unit that is plumbed into the sump pit) occurred on August 11, 2026 (prior to the August 19 follow-on sampling). LFNY Facility Staff were instructed on the carbon replacement for these systems, and LFNY has purchased replacement carbon filters for the two units. Changeout frequency of the carbon filters associated with the pit room CMs is being assessed at this time; currently, they are scheduled to be replaced on a monthly basis pending further assessment of carbon life.

   During the August 19, 2026, pit room sampling (8-hr sample time), a chemical inventory was conducted in the SW Pit Room. No chemicals containing chlorinated VOCs were observed to be present in the room based on a review of labels of containers and discussions with LFNY staff. The CMs in the pit room were observed to be operational, the sump pit cover was closed, and seals installed in the cover were observed to be present and intact. The results of the Summa canister sample from

the August 19 event revealed an approximate order of magnitude decrease in PCE and TCE concentrations from the prior (June 2026) sample event. Based on this data, it appears the carbon filters installed in the SW Pit Room CMs are effective in VOC removal. Trip reports from these site visits were submitted to NYSDEC and NYSDOH.

5. LL2 Omni Aire scrubber unit with carbon filtration. A new mobile unit air scrubber dedicated for use in LL2 has been procured by the school (OA2500 Pro-C). This unit will be run outside of the SW Pit Room (30-minute run) after the room is accessed by Facility Staff, as described above. Run times for this unit are anticipated to occur during off-hours and will be logged to determine usage of the unit's carbon filter. This unit will also be run during the pilot test by situating it in proximity to the cleanouts that are accessed, and at other off-hour times in the future. The unit has been operational in the North Gymnasium, as a water leak from a utility conduit was identified and is being assessed. The spec sheets for the unit and its carbon filter (OCVT2424 primary filter) are included in **Attachment C**.

6. O&M Forms. HDR is developing O&M forms for the above-listed corrective measures. The forms will be utilized by school staff to record activities (e.g., dates of carbon filter changeouts; periodic confirmation of outdoor air percentage) that are related to the operations of the CMs. LFNY will begin use of the forms in September 2026; staff have been instructed to keep documentation as the forms are prepared and CMs are implemented. These forms and procedures will become a part of the revised SMP.

7. Staff Training. Over time, HDR has periodically conducted training sessions for the school Facility Staff. Trainings have historically been geared towards the VCP work (investigation and remediation history), requirements of the SMP (ICs, ECs), the O&M of the water pre-treatment system, and waste handling. A new staff training session will be given in the Fall 2026 to further review the approved corrective measures. The training session will focus on the following:

    - Overview of all CMs and their specifications, monitoring, and maintenance requirements;
    - Forms and documentation requirements for the CMs;
    - Summary of the VOCs present in vapor, and in the foundation water; and
    - Access protocols for the SW Pit Room, including utilization of the new Omni Aire mobile air filtration unit in LL2.

Please contact me to provide feedback on the work proposed in this CMWP Addendum #2, or if you need any additional information. Upon approval of this addendum, the pilot test work will be scheduled.

Sincerely,

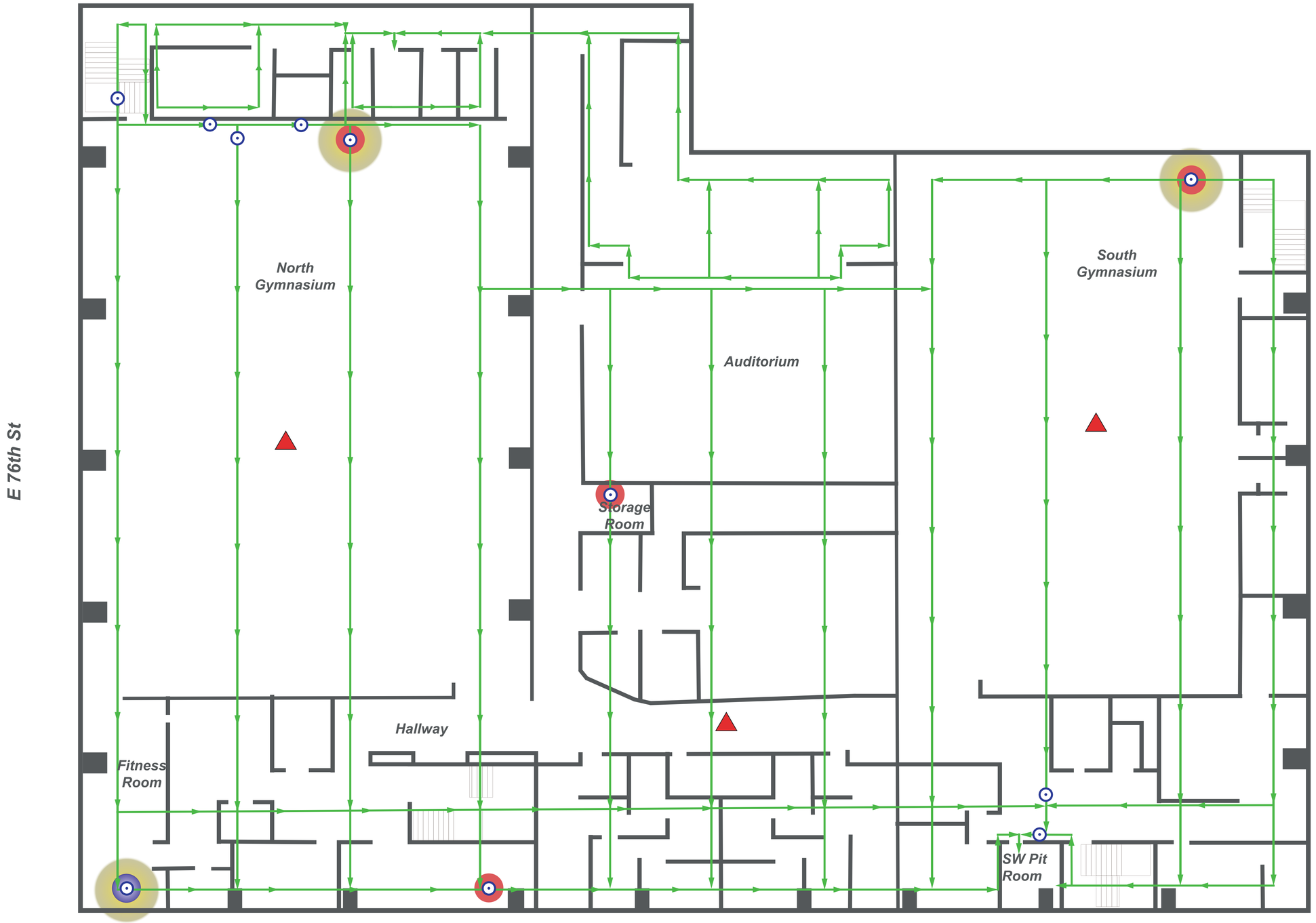
Henningson, Durham & Richardson Architecture and Engineering, P.C.

Michael P. Musso, P.E.
Senior Technical Advisor

Attachments

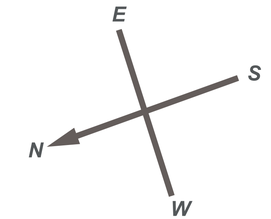
cc: Terrence Kennedy, LFNY
Todd Daniel (TTWORKS)

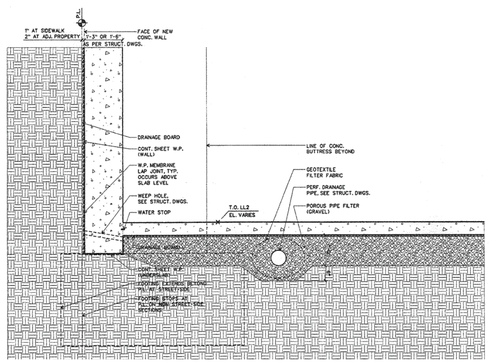




Legend

- Cleanout Location - Approximate
- Drainage
- Proposed Differential Pressure Monitoring Location
- Proposed Pilot Communication Test Suction Location
- Proposed TO-15 Sample Location
- Indoor Air Sampling Location





Source: 2002 Polshek Partnership LLP. Lycée Français De New York. Foundation Waterproofing Details, Sheet A331.

Source: 2018 Ennead Architects, LLP. Lycée Français De New York. 2018 Schedule A Update, Life Safety - Sub-Cellar, Sheet LS-101.02.

HDR

PILOT COMMUNICATION TEST LAYOUT

LYCÉE FRANÇAIS DE NEW YORK

FIGURE 1

LFNY

Attachment A

Pilot Communication Test

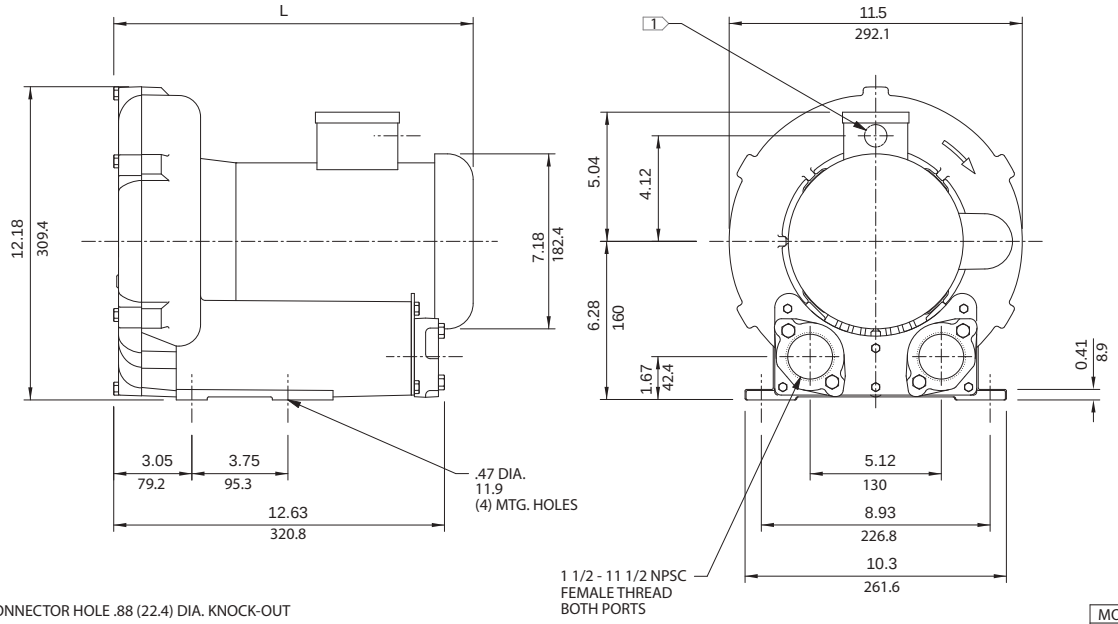
Blower & Carbon Drum Information Sheets

Industrial / Chemical Processing Blowers

DR 404 & CP 404

ROTRON®

1.0 HP Regenerative Blower



NOTES
1. TERMINAL BOX CONNECTOR HOLE .88 (22.4) DIA. KNOCK-OUT
2. DRAWING NOT TO SCALE, CONTACT FACTORY FOR SCALE CAD DRAWING.
3. CONTACT FACTORY FOR BLOWER MODEL LENGTHS NOT SHOWN.

MODEL	L (IN/MM)
DR404AL58M	14.41/366.0
DR404AL72M	14.18/360.2
DR404AL86M	13.38/339.9

		Part/ Model Number			
		DR404AL58M	DR404AL72M	DR404AL86M	CP404CU72MLR
Specification	Units	037407	037406	037408	038233
Motor Enclosure - Shaft Mtl.	-	TEFC - CS	TEFC - CS	TEFC - CS	CHEM TEFC - SS
Horsepower	-	1.0	1.0	1.0	1.0
Voltage	AC	115/230	230/460	575	230/460
Phase - Frequency	-	Single - 60 Hz	Three - 60 Hz	Three - 60 Hz	Three - 60 Hz
Insulation Class	-	F	F	F	F
NEMA Rated Motor Amps	Amps (A)	11.4/5.7	3.0/1.5	1.2	3.0/1.5
Service Factor	-	1.15	1.15	1.15	1.15
Max. Blower Amps	Amps (A)	14.5/7.25	4.0/2.0	1.4	4.0/2.0
Locked Rotor Amps	Amps (A)	70/35	21.0/10.5	7.6	21.0/10.5
NEMA Starter Size	-	00/00	00/00	00	00/00
Shipping Weight	Lbs	69	64	64	64
	Kg	31.3	29	29	29

Voltage - ROTRON motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz**. Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz**. All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

Operating Temperaturs - Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

Maximum Blower Amps - Corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.

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1.0 HP Regenerative Blower

FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- CE compliant - Declaration of Conformity on file
- Maximum flow: 105 SCFM
- Maximum pressure: 58 IWG
- Maximum vacuum: 50 IWG
- Standard motor: 1.0 HP, TEFC
- Cast aluminum blower housing, impeller & cover; cast iron flanges (threaded)
- UL & CSA approved motor with permanently sealed ball bearings
- Inlet & outlet internal muffling
- Quiet operation within OSHA standards



MOTOR OPTIONS

- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

BLOWER OPTIONS

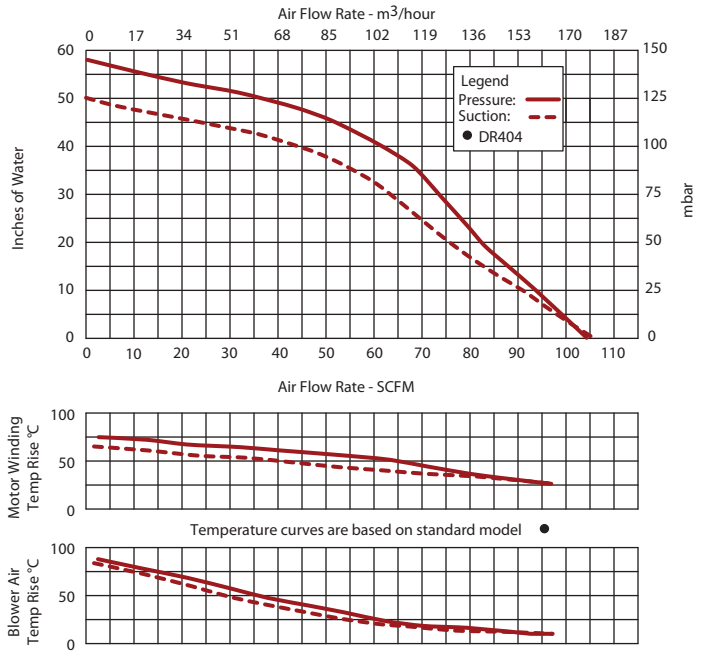
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

ACCESSORIES

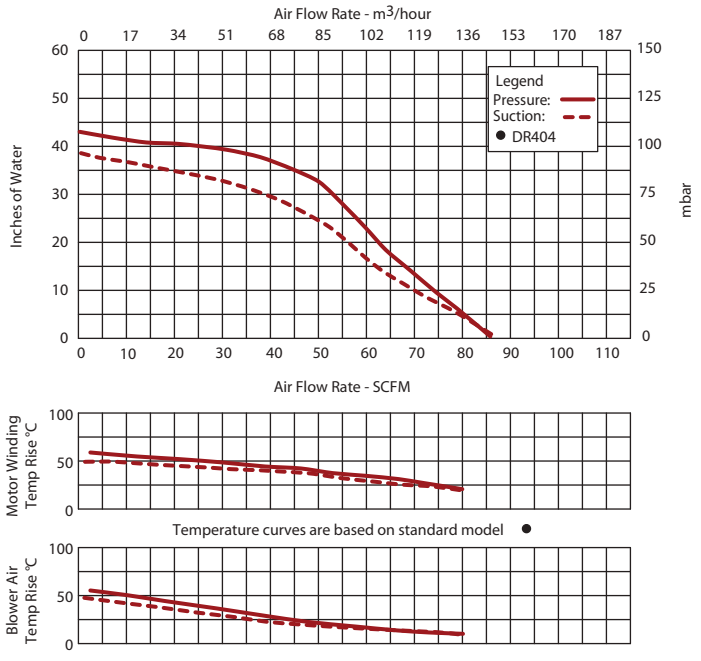
- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges, & relief valves
- Switches - air flow, pressure, vacuum, or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package

Blower Performance at Standard Conditions

60 Hz



50 Hz



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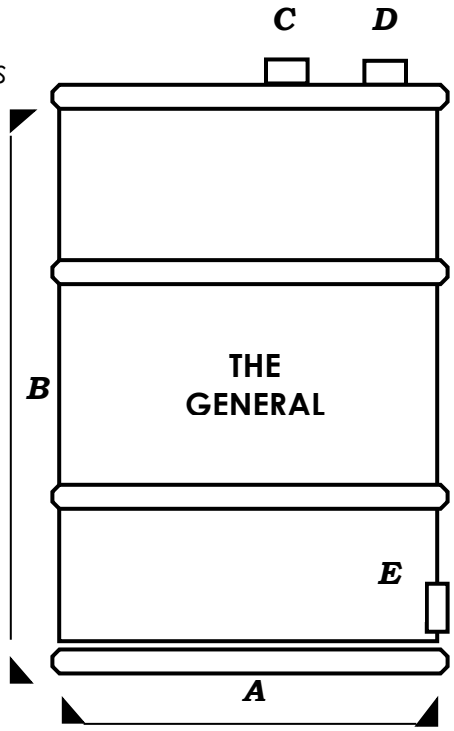
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THE AIR GENERAL

Vapor Phase Activated Carbon Drum Adsorbers

THE AIR GENERAL VAPOR PHASE ACTIVATED CARBON DRUM ADSORBERS are in inventory and ready to use. They are designed to treat airflows up to 250 cfm. Our four (4) size options are available in mild steel. The 30 gallon and 55 gallon options can also be fabricated from either polyethylene or stainless steel to better serve your treatment needs.



SPECIFICATIONS	***30 GALLON***	***55 GALLON***	***85 GALLON***	***110 GALLON***
A – Diameter, Outside	19-1/2"	24"	28"	32"
B – Height, Outside	29"	35"	39"	43"
Inlet Fitting	E - 1" FPT	E - 2" MPT	C - 4" FPT	C – 4" FPT
Outlet Fitting	C- 1" FPT	C- 2" MPT	D- 4" FPT	D- 4" FPT
Drain Fitting	E - 1"	E - 2"	E - 1"	E - 1"
Carbon Weight, lbs.	90	150	300	400
Max. Flow Rate, cfm	100	160	220	295
Maximum Pressure, psig	7	10	7	7
Maximum Design Temp., F	140	140	140	140
Flow Direction	Upflow	Upflow	Uplow	Upflow

33 Paterson Street, Paterson, New Jersey 07501 Tel: 973 523 2223 Fax: 973 523 1494
www.generalcarbon.com sales@generalcarbon.com

Activated Carbon – The Air General vapor phase activated carbon drum adsorbers come standard with a virgin, high activity activated carbon. Other products are available to suit specific applications.

Removable Lid – 16-gauge lid with ring & bolt closure and poly clad cellulose gasket.

Connections – Metal connections with standard pipe threads insure easy, durable and leak proof hookup to your system. Unions or quick connect fittings are advised to make the drum adsorber exchange easy. Drains let you remove any accumulated condensate.

Flow Distributors – The Air General vapor phase activated carbon drum adsorbers use either a carbon support screen or PVC slotted pipe to insure even air distribution throughout the carbon. Both stainless steel drum adsorbers and internals are an option.

Paint and Lining – The drum adsorbers are provided with a heat cured phenolic epoxy internal lining and an industrial enamel exterior paint.

Installation & Start Up – Simply connect the inlet and outlet lines to the adsorber and start the blower.

Maintenance – The Air General requires no maintenance other than monitoring influent and effluent concentrations and operating pressure. Once treatment objectives can no longer be met General Carbon can provide a spent carbon changeout or simply replace the adsorber. Please call our office for pricing and scheduling.

Recharging the General – To purchase replacement carbon or to arrange for a carbon change-out, please contact our office.

Disposal – Dispose of the spent carbon in accordance with Federal, State and Local regulations.

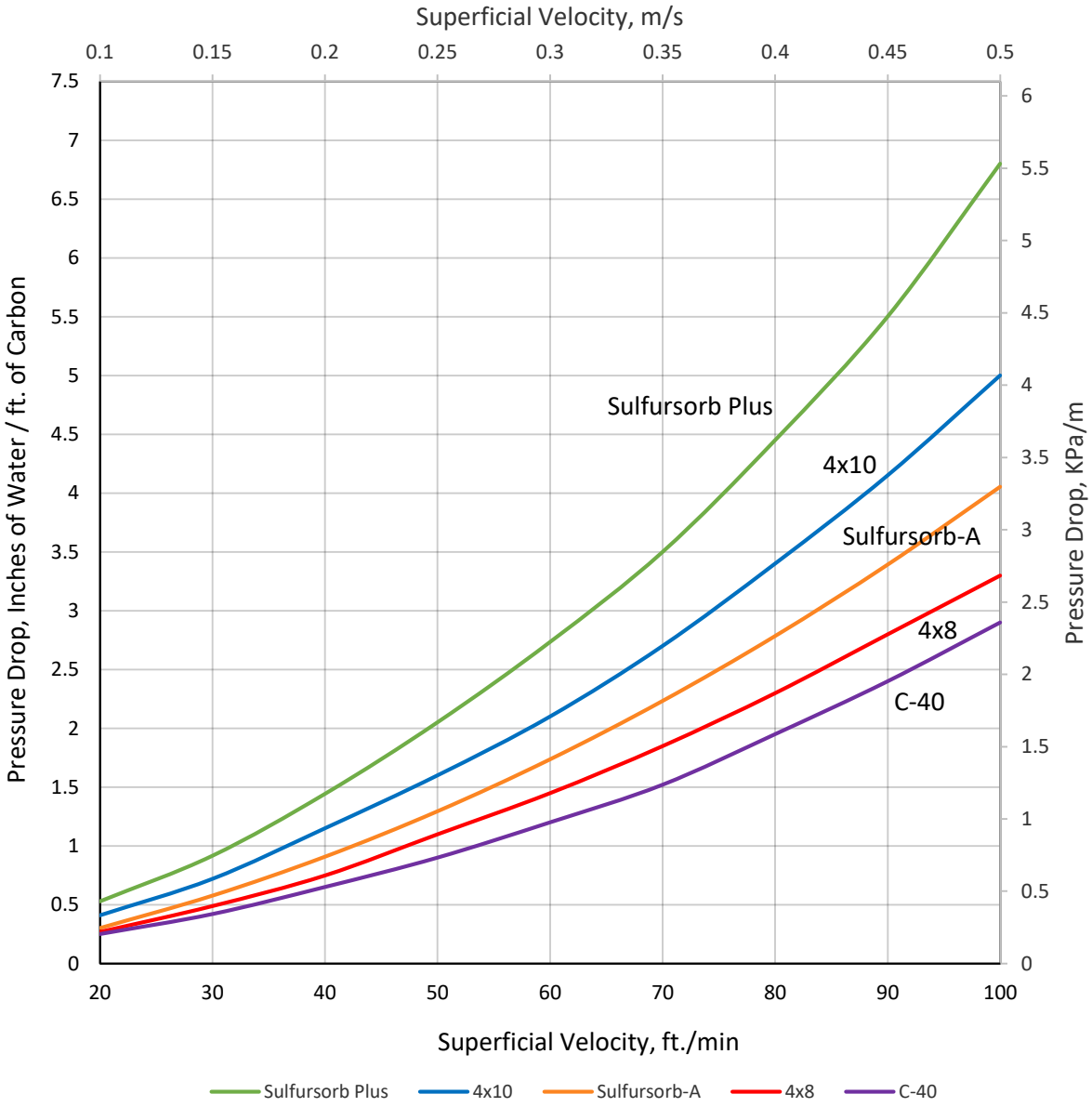
WARNING!

Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels. Confined space/low oxygen procedures should be put in place before any entry is made. Such procedures should comply with all applicable local, state and federal guidelines.

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GENERAL CARBON CORP.

Vapor Phase Pressure Drop Curves for Activated Carbon



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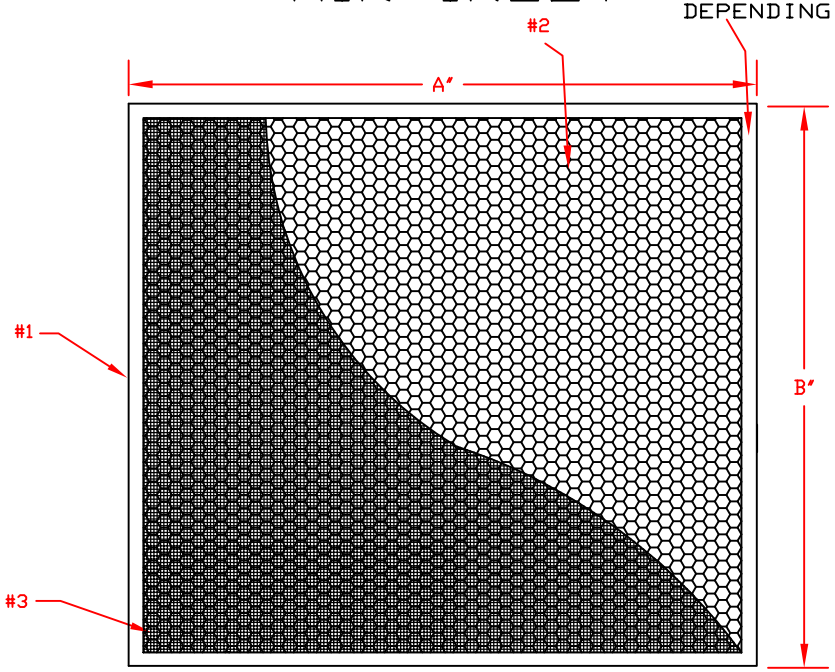
Attachment B

AHU Carbon Pre-Filter

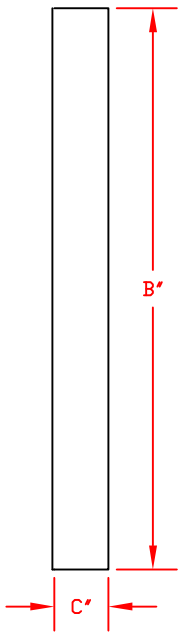
Information Sheet

AIR INLET

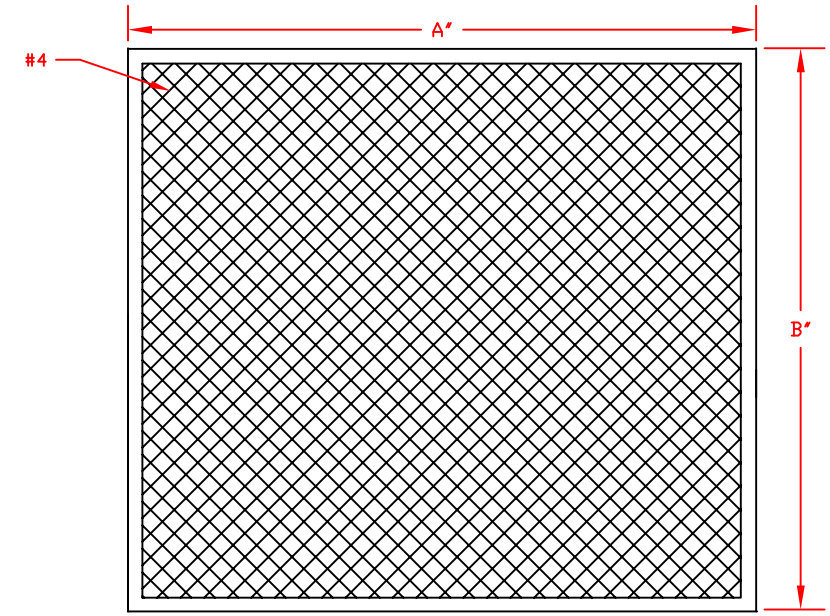
FACE LEG MAY VERY FROM .375" -. 750" +/-. 032
DEPENDING ON THICKNESS OF FRAME



SIDE



AIR OUTLET



NOTES:

MATERIAL:
MAY VARY IN COLOR FROM PART TO PART

POP RIVET HOLE FOR 1/8 RIVET
MAY VARY IN QUANTITY
DO TO FRAME THICKNESS

FILTER DESIGN:
AIRFLOW 50FT FACE VELOCITY
MID TO LOW HUMIDITY LEVELS

SPECIFICATIONS

TOLERANCE: A, B +0/-1/8 C +0/-1/32
DIMENSIONS: A X B X C

DIMENSIONS

A	
B	
C	

#1 FRAME MATERIAL:
ELECTRO TIN PLATE (26 GAUGE)

#2 CORRUGATED:
HONEYCOMB SEPERATOR
FILLED WITH SELECTED MEDIA

- [x] ACTIVATED CARBON
- [ ] 50/50 BLEND CARBON / POTASSIUM
- [ ] POTASSIUM PERMANGANATE
- [ ] SPECIAL MEDIA _____

#3 SCREEN MATERIAL:
FIBERGLASS WIRECLOTH

#4 26GA. EXPANDED METAL
SOME FILTER MAY HAVE EXPANDED
ATTACHED FOR SECURED RIGIDITY

FILLING INFO

FILL %	25 %	50 %	75 %	100 %
				■

TITLE: **DISPOSABLE PANEL**

CUSTOMER PO#

PART NO.

DRAWN:	SCALE:	DATE:
SHN	NTS	9/26/26

APPROVED SIGNATURE :

DATE:

RSG INCORPORATED
51529 Birch St.
New Baltimore, MI 48047
(586) 725-0192

Attachment C

OmniAire Negative Air Filtration Unit

Information Sheet

OMNIAIRE 2500



The most powerful portable negative air machines.

The OmniAire 2500 Series is a portable powerhouse designed for construction professionals, offering exceptional CFM performance and durability. You can choose between two-speed and variable-speed options, ensuring a perfect fit for your needs. The Plus and Pro Models offer full-size 12" deep HEPA filters, for maximum CFM performance. The OmniAire 2500 Series is the only negative air machine capable of generating a **2500 TrueCFM™ rating*.**

The OmniAire 2500 Series creates positive or negative pressure containment spaces on job sites where mold, asbestos, and lead abatement is required or in healthcare facilities with infection control programs and requirements. These machines are also used to scrub the air **just about anywhere indoor air quality is a concern**. Compatible with a variety of true HEPA filters, MERV-rated pre-filters and activated carbon filters, any model in the series is configurable for a large array of projects and applications.

**OmniAire machines with a TrueCFM™ air flow specification have undergone a rigorous and precise method for CFM measurements that is transparent and repeatable by any qualified third party. TrueCFM™ specifications are established using a new (unloaded), factory-certified HEPA filter, installed in the applicable OmniAire machine. For details contact us at info@omnitecdesign.com.*

IN HIGH- STAKES APPLICATIONS, A SEALED HEPA FILTER MATTERS

HEPA filtration devices with unsealed filters are not only inefficient (like a gear slipping on a bicycle) but pose a danger to people in close proximity.

100% of the air pulled through any OmniAire portable HEPA filtration machine must travel through the HEPA filter itself. Our systems are designed to ensure every bit of airflow is properly filtered, keeping everyone on the job site safe and the project compliant.

STANDARD FEATURES

MAXIMUM PERFORMANCE

- Sealed, true-HEPA filter (99.97% or higher efficiency at 0.3µ)
- Pleated Merv-8 Prefilter to extend the life of the HEPA filter
- Integrated exhaust duct for negative or positive pressure applications
- Optional intake manifold

INTENTIONAL INDUSTRIAL DESIGN

- 10' power cord & cord grip
- Easy-to-sanitize aluminum housing
- Field replaceable duct ring
- Store-flat handles facilitate safe 2-person lift of the unit
- Industrial-grade casters for mobility on or between job sites

SIMPLE MAINTENANCE

- HEPA filter replacement indicator on all models
- Easy pre-filter replacement, no tools required

ENGINEERED FOR SAFETY

- Built in Circuit Breaker to allow for safe 24/7/365 operation
- UL/CSA Safety Certified

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OmniTec

Select the model that best meets your applications and needs.

Ultimate configurability to deliver flexibility, functionality, and value on any project.

	OMNIAIRE 2500 PRIME	OMNIAIRE 2500 PLUS	OMNIAIRE 2500 PRO
Airflow Rate (CFM)	1400 and 2100 TrueCFM™	1500 and 2200 TrueCFM™	800 to 2500 TrueCFM™
Primary Filter	HEPA 6" WoodFrame, 99.97% efficiency @ 0.3µ	HEPA 12" Wood Frame, 99.97% efficiency @ 0.3µ	HEPA 12" Metal Frame, High Capacity 99.97% efficiency @ 0.3µ
Secondary Filter(s)	Pre-filter, Pleated Filter 24x24x1, Merv 8	Pre-filter, Pleated Filter 24x24x1, Merv 8	Pre-filter, Pleated Filter 24x24x1, Merv 8
OdorGuard 600 Carbon Filter	Optional	Optional	Optional
Noise**	70 – 74 dB	70 – 74 dB	70 – 74 dB
Negative Pressure Ready	Yes	Yes	Yes
Power Requirements	115 VAC/60 Hz/12 Amp w/CB	115 VAC/60 Hz/12 Amp w/CB	115 VAC/60 Hz/12 Amp w/CB
Size	36"W x 28"H x 31"L	36"W x 28"H x 31"L	36"W x 28"H x 31"L
Weight	114 lbs/52 kg	114 lbs/52 kg	114 lbs/52 kg
Housing	Aircraft-Grade Aluminum	Aircraft-Grade Aluminum	Aircraft-Grade Aluminum
Speed Options	2-Speed	2-Speed	Variable Speed
HEPA Filter Change Indicator	Yes	Yes	Yes
Run Meter		Yes	Yes
Audio Alarm		Optional	
Pressure Gauge			Yes

*** 6' (1.83 M) NIOSH SLM*

For your safety, these products comply with OSHA, UL, and CSA/IEC electrical safety requirements.

INDUSTRIAL AIR FILTRATION APPLICATIONS

- Projects that require negative or positive pressure containment spaces and requiring true HEPA filtration including abatement of mold, asbestos, & lead
- Water damage and restoration projects
- Healthcare construction involving infection control compliance
- Removal of hazardous odors, VOCs, or fumes in industrial or other dangerous environments
- General control and removal of dust and debris
- Mobile and pop-up patient isolation applications in hospitals, acute care centers and assisted or long-term living environments
- Removal of wildfire smoke in commercial spaces, warehouses and factories

CRITICAL ENVIRONMENTS

- Construction and job sites for abatement, remediation, and restoration projects (residential homes, commercial buildings, schools, healthcare facilities, and other places with indoor construction.
- Manufacturing and warehousing facilities
- Communal living environments including long-term care and assisted living facilities, higher education dormitories and prisons.
- Government facilities and military installations
- Public health facilities including Open to the Public Clean Air Centers

OMNI CLEANAIR

info@omnicleanair.com | 866.354.0247

Learn more at **omnicleanair.com**

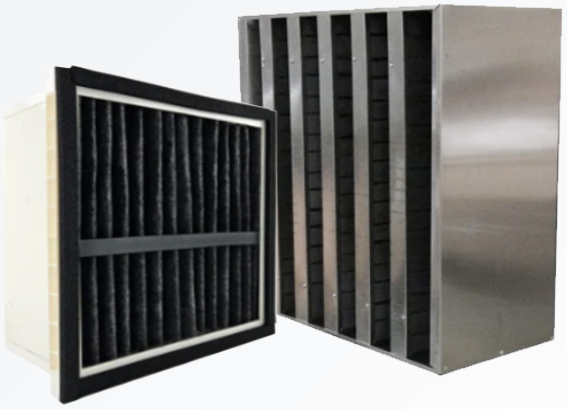
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Target specific airborne contaminants,
ensuring optimal air quality in any environment.

Activated Carbon Filters

At Omni CleanAir, we offer a comprehensive range of air filtration solutions tailored to meet diverse needs, including HEPA filters, carbon filters, multi-bag filters, and more.

By integrating our advanced carbon filters into your healthy air initiatives, you can achieve optimal air quality, effectively removing odors, harmful gases, and volatile organic compounds to create a cleaner, healthier indoor environment.



What Is an **Activated Carbon Filter** & Why Use It?

THE RIGHT ACTIVATED CARBON FILTER

Choosing the correct air filtration solution will successfully remove nearly all particular matter from the air. HEPA filtration is highly effective for particles larger and smaller than 0.3 microns. At 0.3 microns, True HEPA filters are still able to remove 99.97% of those particles from the air. Gases and vapors, however, operate at a molecular scale of 0.01 microns and smaller, which cannot be removed by particulate filters. This is where activated carbon filters play a crucial role. Activated carbon works by adsorbing gas molecules, effectively trapping and neutralizing harmful gases and vapors that particulate filters are unable to capture.

OUR CARBON FILTER RANGE

Activated carbon comes in various types and grades, each designed for specific adsorption needs. At Omni CleanAir, we offer a comprehensive range of carbon filters, both as the primary filter in our portable air scrubbers and negative air machines (used interchangeably in place of a HEPA filter) as well as secondary Carbon Filters which are positioned either upstream or downstream of the HEPA Filter. This versatility in carbon filtering solutions significantly enhances air quality improvements in any environment.

MAXIMUM AIR QUALITY & PERFORMANCE

Effective Odor Removal

Carbon filters excel at capturing and neutralizing unpleasant odors, making indoor environments more comfortable and fresh.

VOC and Gas Filtration

They efficiently adsorb harmful volatile organic compounds (VOCs) and gases, improving overall air quality and safety.

Enhanced Air Quality

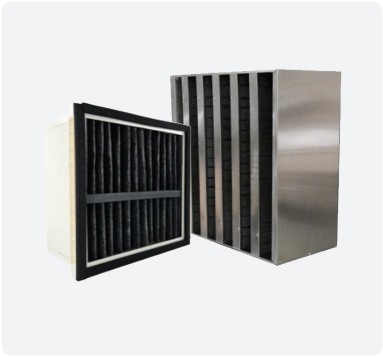
Works in conjunction with HEPA filters, the addition of Carbon Filters provides comprehensive air filtration by eliminating potentially harmful particles and removing gaseous pollutants and chemicals.

Whether you need robust filtration for industrial applications or effective odor control in commercial settings, our carbon filters are engineered to meet all your air purification requirements.

info@omnicleanair.com | 425.290.3922

Learn more at **omnicleanair.com**

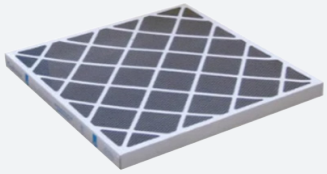
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Primary Activated Carbon Filters

Our primary carbon filters are engineered for high-capacity air purification. Featuring advanced V-Bank and deep pleat designs, available in both metal and high-strength plastic frames, these filters maximize the exposure of activated carbon, effectively capturing and neutralizing harmful gases like VOCs, diesel exhaust, and acidic pollutants. Each filter is designed to minimize airflow resistance, ensuring efficient operation without compromising system performance. The high-activity carbon media targets a wide range of pollutants, providing superior first-pass efficiency and long-lasting protection for your environment.

COMPATIBILITY: OA600 NITRO, OA2000, OA2200, OA2500 SERIES



Secondary Activated Carbon Pleated Filter

The secondary pleated filter is designed to function as a pre-filter in negative air machines with a primary HEPA filter, positioned before or after the HEPA filter. It effectively controls odors and particulate matter in environments with light to moderate odor levels. The gradient density media combines particulate filtration with odor control in a single filter unit, an expanded metal reinforcement laminated to the air-exit side of the media for maintaining good airflow and a low-pressure drop. Housed in heavy-duty beverage board frames, these pleated filters offer durability and stability, ensuring reliable performance in demanding applications.

COMPATIBILITY: OA2000, OA2200, OA2500 SERIES, OA1600PAC, AA1000 SERIES



Secondary Activated Carbon Pad Filters

Our 2" carbon pads are designed to serve as effective prefilters in air purification systems, specifically engineered to control odors and gaseous pollutants. These pads are densely packed with 60% activity granular activated carbon and covered in netting, optimizing the filtration process by capturing and neutralizing a wide range of contaminants before they reach the primary filter. Flexible and adaptable, these pads are designed without a die-cut frame, giving them low air resistance. Their flexible design makes them a practical choice for maintaining clean air in commercial, industrial, and residential settings.

COMPATIBILITY: OA600 NITRO, OA600, OA1000, OA2000, OA2200 SERIES, OA1200PAC, OA1600PAC, OVH230 SERIES



Filter Replacement Kit with Carbon Pads

Our comprehensive Filter Replacement Kit is designed to ensure our Commercial Air Purifiers operate at peak efficiency. This kit includes everything you need to maintain optimal air quality: 1 HEPA filter for capturing fine particulate matter, 1 secondary activated carbon pad for effective odor and gas pollutant control, and 1 sound-suppressing exhaust filter pad to reduce noise levels during operation. This all-in-one solution makes it easy to keep your commercial air purification system running smoothly and effectively.

COMPATIBILITY: OCA500/510, OCA1200/1210, OCA1500/1510

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Primary Activated Carbon Filters

	OAC1515	OAC1515-H	OCVT18	OCVT2424	OCVBANK2424	OCVBANK 2424-KIT
OA600 Nitro	✓	✓				
OA2000 Series			✓			
OA2200 Series				✓	✓	✓
OA2500 Series				✓	✓	✓

Secondary Activated Carbon Pad Filters

	OG1212	OG1616	OG2418D	OG2424D	OG24181	OG24241	OG10161	OG24161D
MiniForce II	✓							
OA600 Nitro		✓						
OA600 Series	✓							
OA1000 Series		✓			✓			
OA2000 (Pro)			✓		✓			
OA2200 Series				✓		✓		
OA2500 Series						✓		
OA1200PAC		✓						
OA1600PAC			✓		✓			
Vulcan Heater	✓							
Agriair 1000 Series							✓	✓

Filter Replacement Kits with Carbon Pads

	HEPA-500H	HEPA-1200H	HEPA-1500H
OCA500/510	✓		
OCA1200/1210		✓	
OCA1500/1510			✓

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Primary Activated Carbon Filters

Model Number	Size H x W x D (Inches)	Media Weight (lbs)
OAC1515	15x15x6	2
OAC1515-H	15x15x6	9.8
OCVT18	24x18x12	27
OCVT2424	24x24x12	36
OCVBANK2424/ OCVBANK2424-KIT	24x24x12	24

Secondary Pleated Carbon Filters

Model Number	Size H x W x D (Inches)	Media Sq. Ft.	Nominal Thickness	Initial Resistance
OG10161	10x16x1	2.22	1"	0.18
OG24161D	24x16x1	5.20	1"	0.18
OG24181	24x18x1	5.94	1"	0.18
OG24241	24x24x1	7.92	1"	0.18

Secondary Carbon Pad Filters

Model Number	Size H x W x D (Inches)	Wt. in g/Sq. Ft. of Filter Area	Nominal Thickness	Initial Resistance 300FPM	500fpm
OG1212	12x12x2	600	2"	0.35	0.82
OG1616	16x16x2	600	2"	0.35	0.82
OG2418D	24x18x2	600	2"	0.35	0.82
OG2424D	24x24x2	600	2"	0.35	0.82

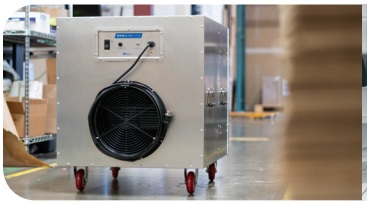
Filter Replacement Kits

Model Number	Size H x W x D (Inches)	Wt. in g/Sq. Ft.	Nominal Thick-ness
HEPA-500H (Carbon Cut Pad)	14x14	485	3/16"
HEPA-1200H (Carbon Cut Pad)	18x18	485	3/16"
HEPA-1500H (Carbon Cut Pad)	18x18	485	3/16"

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Partial List of Contaminants **Best Controlled by Activated Carbon**

Acetic Acid
Ally Acetate
Benzyl Acetate
Butyl Acetate
Butyl Ethyl Ether
Butyric Acid
Carbon Tetrachloride
Chloroform
Chlorophenol
Furan
Hexane
Isoamyl Alcohol
Isopropyl Alcohol
Linalyl Format
Methyl Benzoate
Methyl Oxyethanol
Cyclohexane
Cyclohexylbenzene
Decene
Dichlorotoluene
Dimethyl Disulfide
Ethoxyethanol
Ethyl Benzoate Ethyl
Sulfide Ethylene
Dichloride
Formic Acid
Octane
Pentachloroethane
Phenol
Styrene
Thiophenol
Trichlorothane
Trimethylpentane
Methylsalycilate
Nitroanisole
Valeric Acid
Xylene
Acetone
Benzaledehyde
Bezene
Butyl Alcohol
Butyl Mercaptan
Camphor
Chlorobenzene
Chloroctane Cineole
Heptane
Indene
Isoamyl Butrate
Limonene
Limonene Methylally Alcohol
Methylally Butanol
Methyl Ethyl
Ketone(Mek)
Cyclohexanol
Cymene
Dibutylamine
Diethyl Ketone
Dodecane
Ethyl Acetate
Ethyl Methyl Ketone
Ethylbenzene
Ethylene Glycol
Nitrogen Dioxide
Octanoic Acid
Pentylamine
Propionic Acid
Tetrachloroethane
Toluene
Trichloroethylene
Triethylhexane
Mineral Spirits
Nitroethane Vinyl
Pyridine
Acrylic Acid
Benzonitrile
Bromoform
Butylbenzene
Butyl Sulfide
Carbon Disulfide
2-Chloroethanol
Chlorotoluene
Cresol
Heptene
Isoamyl Acetate
Isobutyl Propinate
Lynaly Acetate
Methyl Acetylsalicyate
Methyl Cyclohexanol
Methyl Propyl Ketone
Cyclohexanone
Decane
Dichloroethane
Dimethyl Disulfide
Ethanol
Ethynl Lactate
Ethynl Oxalate
Ethylcyclohexane
Ethylene Glycol Diethyl Ether
Nonane
Octene
Pentyl Ether
Pyridine
Tetrachloroethylene
Tributylamine
Tridecane
Methyl Pentanone (Mibk)
Naphtha
Undecane
Vinyl Toluene







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Learn more at **omnicleanair.com**

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