

PURCHASE of High Efficiency Particulate Air (HEPA) and Pre Filters

1. Requirement. The contractor shall provide timely delivery of Government requested material to the address provided below unless otherwise specified by the Government. The government is procuring HEPA and Pre filters, as outlined in the table below.

Line	Part Number	Part Description	Total Quantity
1	HEPA-24-11.5	HEPA filter full size	400
2	HEPA-24-11.5	HEPA filter full size	200
3	HEPA-24-11.5	HEPA filter full size	90
4	HEPA-24-11.5	HEPA filter full size	50
5	HEPA-24-11.5	HEPA filter full size	4
6	Pre-24-6	Pre-filter full size, 6" deep	600
7	Pre-24-6	Pre-filter full size, 6" deep	302
8	Pre-24-6	Pre-filter full size, 6" deep	45
9	Pre-24-6	Pre-filter full size, 6" deep	50
10	Pre-24-6	Pre-filter full size, 6" deep	2

For HEPA Filters:

The lot acceptance filters shall be delivered within 120 calendar days of order date.

The full order shall be delivered within 15 calendar days of acceptance notification by the COR.

The cost of lot acceptance testing shall be the responsibility of the contractor.

For Pre-Filters:

Orders shall be delivered within 120 calendar days of order date.

The hours of operation at the CBC facility are between the hours of 0800 and 1800 on Monday through Friday.

Delivery of materials shall be within these contract hours. Inspection and Acceptance of the items will be conducted at destination by authorized CBC government personnel.

See below for HEPA Filter acceptance testing procedures and specifications for the HEPA and Pre-filters.

2. Government Furnished Property or Assistance. Not applicable. No requirement for Government Furnished Property.

3. DELIVERY/LOGISTICS.

3.1 The cost of shipping the filters shall be the responsibility of the contractor. The filter will be individually wrapped to protect them from the elements and shall be UV stable so as not to break down under prolonged periods of sun exposure. Each filter shall be marked as to what it is and be visible without opening as well as being marked on the filter shell on all sides: i.e. Part number, contract number, order number, LOT group number, serial number.

3.2 The contractor shall deliver the data/supplies/services to:

U.S. Army Receiving
8222 Blackhawk Rd (Bldg E-5179)
APG-EA, MD 21010-5424

Amos Bushover, 410-436-2791

3.2 Inspection and Acceptance of the items will be conducted at destination by authorized ECBC government personnel, as outlined below.

4. Safety Security Considerations. None

5. Security Considerations. Delivery company must be able to delivery to an on post receiving facility. (The contractor shall not be required to: have access to classified material; to generate classified material; or to store classified material at the contractor's or government facility or whether access to the RDECOM Local Area Network is required.)

5.1 Access and general protection/security policy and procedures. Contractor and all associated subcontractors employees shall provide all information required for background checks to meet installation access requirements to be accomplished by installation Provost Marshal Office, Director of Emergency Services or Security Office. Contractor workforce must comply with all personal identity verification requirements (FAR clause 52.204-9, Personal Identity Verification of Contractor Personnel) as directed by DoD, HQDA and/or local policy. In addition to the changes otherwise authorized by the changes clause of this contract, should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in contractor security matters or processes.

5.2 For contractors that do not require a CAC, but require access to a DoD facility or installation. Contractor and all associated subcontractor employees shall comply with adjudication standards and processes using the National Crime Information Center Interstate Identification Index (NCIC- Ill) and Terrorist Screening Database (TSDB) (Army Directive 2014-05/AR 190-13), applicable installation, facility and area commander installation/ facility access and local security policies and procedures (provided by government representative), or, at OCONUS locations, in accordance with status of forces agreements and other theater regulations.

5.3 Foreign National Use. The Contractor shall not use foreign nationals on this contract unless approved by the Procuring Contracting Officer with CCDC Chemical Biological Center Security Office concurrence. Any foreign nationals must be approved prior to initiating work under this award. The following information is required when requesting approval for foreign national support: (1) full name, (2) date of birth, (3) place of birth, (4) citizenship, (5) registration number, (6) port of entry, (7) description of position in which employee will be utilized, (8) photo-copy of the work visa, (9) abbreviated Curriculum Vitae, (10) all issued passports, and (11) a sole source justification (why the foreign national is being used instead of a United States person. These documents will be submitted to the CCDC Chemical Biological Center Security Office for approval. Previously approved foreign nationals must be re-approved if the nature of their work under this contract differs from that performed under the prior year's contract.

6. Government Point of Contact.

U.S. Army CCDC-CBC
POC: John Barczak
9041 Medal Street (Bldg E-3942)
APG, MD 21010-5424
410-436-2778

****** NOTICE OF RELEASE OF INFORMATION:**

Although not classified, information concerning the award of this contract is considered to be of a sensitive nature. Therefore, release of any information regarding this contract, other than the award date, award dollar value, and contracting office is PROHIBITED without the express written consent of the Contracting Officer.

HEPA Filter Acceptance Testing

- a. Production lot acceptance testing will be used to ensure that the produced HEPA filters conform to contract specifications. The Test, Reliability & Evaluation Branch (TREB) is the only facility authorized to perform the lot acceptance testing. The awardee must have a Technology Support Agreement (TSA) set up with TREB so that testing by the government agency can take place.
- b. The Contractor shall produce 105% of the requested quantity so that 5% may be submitted for government testing without impacting the final count of delivered filters. The additional 5% of filters produced for testing shall be rounded down to the nearest whole number, but shall never be less than one (1). The filters submitted for acceptance testing will be destroyed after testing.
- c. Once the Contractor has produced the lot of HEPA filters, they shall be certified by the Contractor as having met the Government specifications and IEST-RP-CC034 and be given unique serial numbers. The list of serial numbers shall be sent to the COR. The COR will select, at random, the specific filters to be sent for acceptance testing. No additional filters shall be shipped until the government testing results are complete and the lot is found to be acceptable. If the government requests a specific serial number for testing and that specific filter fails contractor testing before it is sent to the government, the entire lot will be considered a failure.
- d. Of the filters sent for testing, 10% will undergo rough handling testing per MIL-PRF-232016A prior to the leak testing. For example, if the government orders 8 HEPA filters, the awardee would produce 9 filters. One of the filters would be sent for lot acceptance testing and it would go through rough handling first. If the government orders 300 filters, the awardee would produce 315 filters. Fifteen would be sent for acceptance testing and 2 of the 15 would also undergo rough handling first.
- e. The Contractor will receive testing results from TREB and shall provide those results to the COR. 100% of the lot acceptance filters must pass the test in order for the lot to be determined as acceptable. The COR will notify the Contractor if the lot is acceptable and can be shipped or if the lot is unacceptable and shall be destroyed and replaced at no additional cost to the Government.
- f. Pre-filters will not be acceptance tested.

Filter Requirements

- A. HEPA Filters. The HEPA filters shall be constructed in accordance with IEST-RP-CC001.5.
 - I. Air Flow requirement:
 1. Filter shall flow 2400CFM at 1 in. w.g. or Flow 2000 CFM at 0.8 in. w.g. unloaded.
 - II. Filter Type:
 1. Shall be of type C filter with a leak rate of $\leq 0.010\%$ with a $0.3\mu\text{m}$ particle size.
 2. Media shall be designed so that the factory can SCAN test the filters for leaks in final form.
 - III. Construction Grade shall be:
 1. Grade 3 (UL-900)
 - IV. Filter Media:
 1. 100% PTFE/PET Composite synthetic material Minipleat style.
 2. Waterproofed to withstand 99% Relative Humidity.
 3. Material shall not contain any Asbestos.
 4. Media shall be sealed to all sides of the housing with a flexible urethane sealant.
 5. No filter protective grids are allowed.
 - V. Design:
 1. Filter shall have direction of Air flow on all sides of the housing.
 2. Dimensions:
 - a. 24" H x 24"W x 11.5"D Actual
 - b. 24" H x 12"W x 11.5"D Actual
 3. Frame:
 - a. 16 gauge 304 Stainless steel fully sealed uniform construction on exterior frame.

- b. Shall not twist when locked into position.
- c. Shall be fabricated to appear identical to the drawing in Figure 1.
- d. Shall be designed to minimize racking no more than 1/8 inch from square.
- e. All metal ends and terminations shall be deburred or turn in to minimize sharp edges.
- f. No Filter protective grids

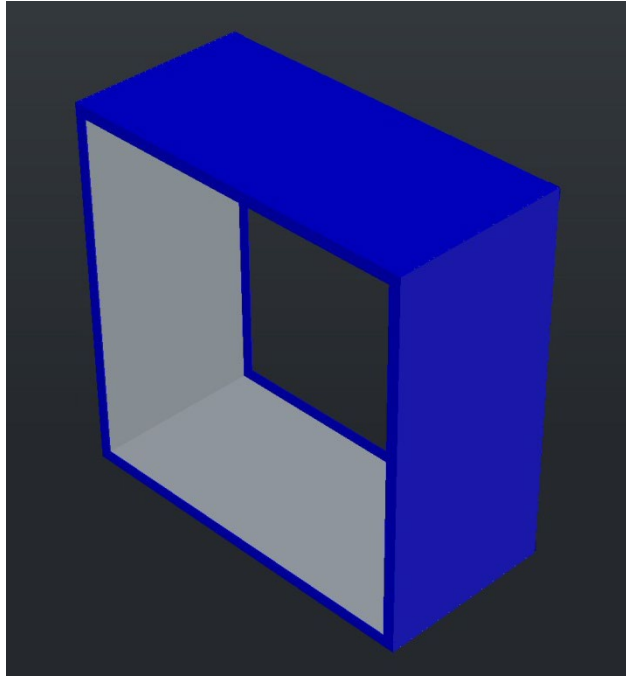


Figure 1

- VI. Gasket:
 - 1. Shall be dovetailed closed cell neoprene gasket glued on the intake face of the filter.
- VII. Sealants:
 - 1. Shall be flexible fire retardant urethane.
- VIII. Separators:
 - 1. Filters shall be designed to use a separator-less style configuration or with separators not constructed from metal.
- B. Pre-Filter: The Pre-Filter shall have an average efficiency of 85% as determined by the ASHRAE 52.2-2007 test method. Air flow capacity shall be at 2000 CFM with an initial resistance of ≤ 0.5 in. w.g. Filter minimum efficiency reporting value (MERV) shall be 14 with a rated efficiency of 85-90%.
 - I. Construction:
 - 1. Corrosion resistant galvanized steel; sealed on all sides
 - II. Air Flow Requirement:
 - 1. 2000 CFM with a maximum of a 0.5 in. w.g. Initial
 - III. Dimensions:
 - 1. 24 inches high x 24 inches wide x 3 inches depth Nominal.
 - 2. 24 inches high x 24 inches wide x 4 or 6 inches depth Nominal.

3. 24 inches high x 12 inches wide x 4 or 3 inches depth Nominal.
4. 24 inches high x 12 inches wide x 4 or 6 inches depth Nominal.

IV. Design:

1. Frame:
 - a. Frame shall be fabricated to appear identical to the drawing in Figure 1.
 - b. Layers of metal are not permitted in the construction.
 - c. Constructed with enough rigidity such that the unit will not deform under normal operation loaded flows and pressures, (i.e. Dirty filter). 1/8 Inch variation allowed.
 - d. All metal ends and terminations shall be deburred or turn in to minimize sharp edges.
2. Filter mesh protection grids are acceptable under the following conditions (Fig. 2):
 - a. The Mesh is constructed of the same material as the frame or stainless steel.
 - b. The mesh is integrated into the frame itself and is not removable.
 - c. The mesh can not separate from the filter media and become a hazard for Personal Protective Equipment.
 - d. The mesh is located on the downstream side of the filter only.
3. Filter stiffening material is allowed if constructed out of the same material as the housing and doesn't interfere with mounting.
4. Design shall not require use of a gasket.

V. Filter Housing Media:

1. Media shall be composed of 100% Micro-glass fibers or synthetic material
2. Shall be able to withstand 99% relative humidity.
3. Shall contain no Asbestos.

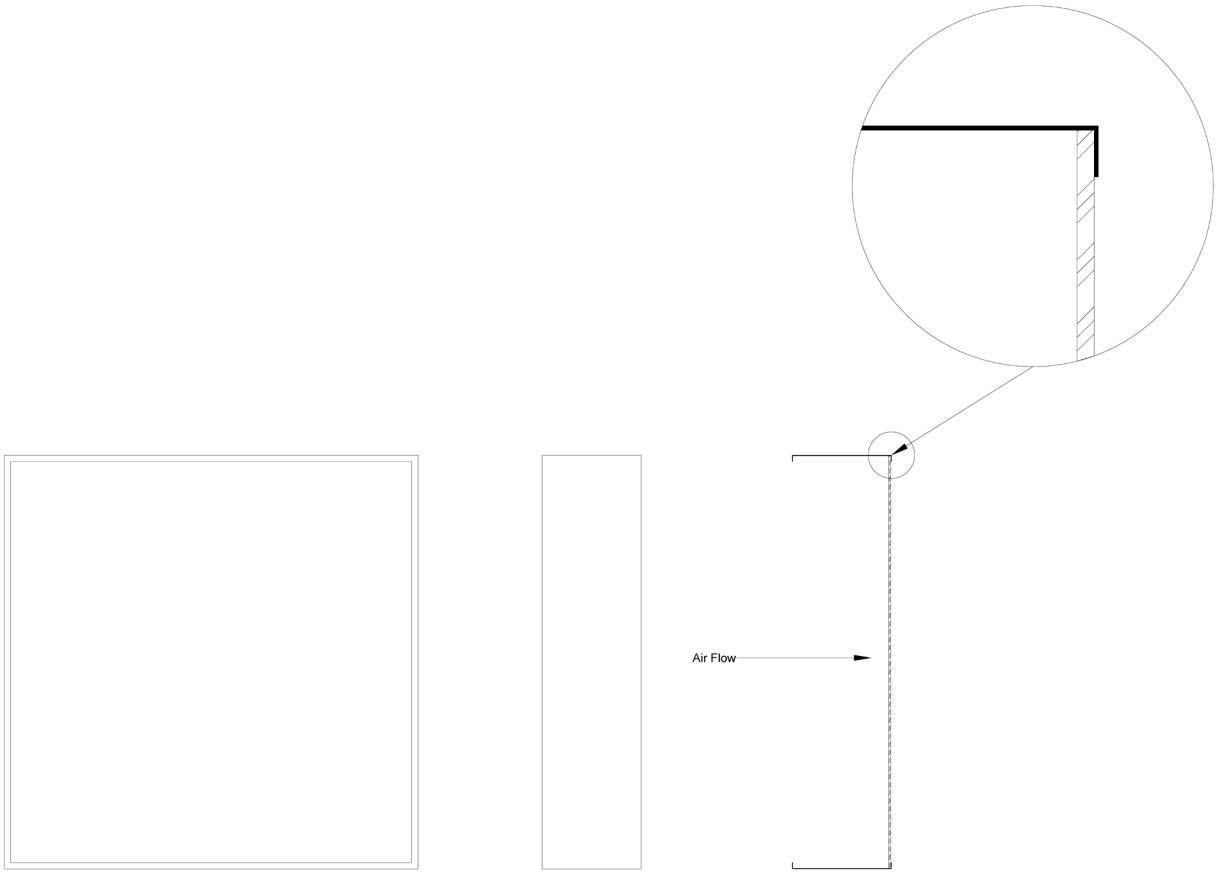


Figure 2