



# Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
 ONE CAPITOL HILL  
 PROVIDENCE RI 02908

BUYER: Ohara 2nd, John F  
 PHONE #: 401-574-8125

CREATION DATE : 31-AUG-15  
 BID NUMBER: 7549852  
 TITLE: Air Filter, University of Rhode Island  
 BID CLOSING DATE AND TIME: 21-SEP-2015 11:30:00

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 URI ACCOUNTS PAYABLE  
 CARLOTTI ADMINISTRATION BLDG  
 75 LOWER COLLEGE ROAD, SUITE 1  
 KINGSTON, RI 02881  
 US

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 URI-CE-PROVIDENCE CENTER  
 SHEPARD BUILDING  
 80 WASHINGTON STREET  
 PROVIDENCE, RI 02903  
 US

Requisition Number: 1426090

Line	Description	Quantity	Unit	Unit Price	Total
1	NO SUBSTITUTIONS WILL BE ALLOWED ON THIS REQUEST FOR QUOTE.  All prices are to reflect F.O. B. delivered. No freight charges are acceptable.  Nexfil Mini-Pleat MERV 15/13A - 20x24x2	4.00	Each		
2	Nexfil Mini-Pleat MERV 15/13A - 24x24x2	2.00	Each		
3	Hi-Lo ES 10-Pkt Bag MERV 14/14A - 12x24x22	48.00	Each		
4	Hi-Lo ES 10-Pkt. Bag MERV 14/14A - 24x24x22	95.00	Each		

Delivery: \_\_\_\_\_

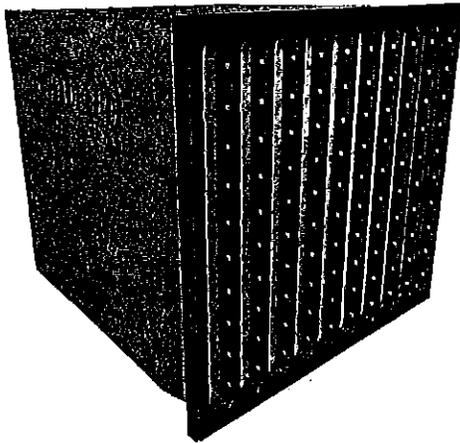
Terms of Payment: \_\_\_\_\_

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer



# Hi-Flo<sup>®</sup> ES

Energy Saving, Extended Surface Area, High Efficiency Air Filter



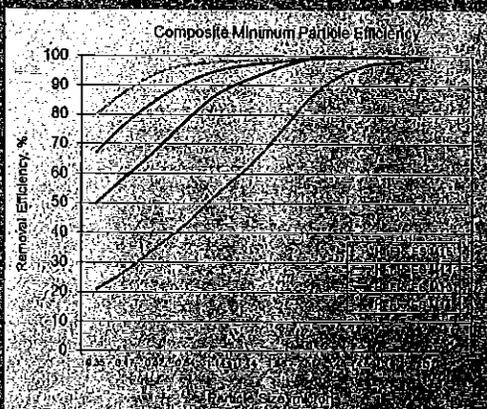
Air filters are the first line of defense to protect people and processes in buildings. The Camfil Hi-Flo ES can remove contaminants including fumes, smoke, bacteria, fungi, and virus-bearing droplet nuclei. The Hi-Flo ES is also the filter of choice for the removal of nuisance contaminants such as pollen, paper dust, and other atmospheric impurities.

Hi-Flo ES filters are available in four efficiencies: MERV 11, MERV 13, MERV 14 and MERV 15, when evaluated per ASHRAE Standard 52.2. The Hi-Flo ES also has a MERV-A value of 11A, 13A, 14A and 15A, respectively when tested per Appendix J of the same Standard, ensuring that the Hi-Flo ES will provide maintained particle capture efficiency throughout the life of the filter.

Air filters are the most significant component of an HVAC system that should be considered for total cost of ownership. The Hi-Flo ES:

- Has the lowest operating cost in terms of energy usage. Energy cost per filter can be as high as three times the cost of the filter itself. The Hi-Flo ES air filter's low maintained pressure drop can save over 30% of electric utility costs when compared to other filters.
- Requires less filter changes than other high efficiency filters. Savings include lower labor costs to change filters, decreased disposal costs, less space in landfills, and a lower carbon footprint.

## Energy saving pocket filter with guaranteed lifetime efficiency.



The above chart shows relative efficiency values at various particle sizes when tested in accordance with ASHRAE Standard 52.2:2007. When tested in accordance with Appendix J of that Standard, the Hi-Flo ES maintains these efficiency values throughout the life of the filter.

The Camfil Hi-Flo ES 5-Star ECI rating ensures maintained efficiency and a longer service life than same class high efficiency filters. Its sustainable features meet the green demands of building owners at the lowest cost of ownership. Performance is also guaranteed!



\* A 5-Star rating indicates that this filter performs in the top 20% of all products of similar construction in the HVAC industry. Factors of consideration include maintained efficiency, energy usage and resistance to air flow. Detailed evaluation information is available from your Camfil sales outlet or on the web at [www.camfil.com](http://www.camfil.com).

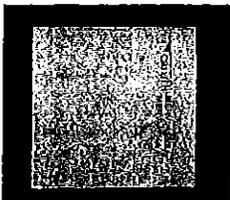
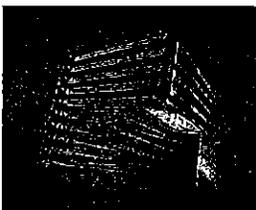


The Hi-Flo ES incorporates exclusive Camfil air aid microfiber glass media that ensures reliable efficiency throughout the life of the filter. Its fine fiber diameter and uniform loft results in a consistent sub-micron particle capture and a low resistance to airflow. This exclusive media is designed to maintain this low resistance to airflow, saving energy, while still holding efficiency throughout the filter life. The Hi-Flo ES will maintain its particle efficiency, regardless of dust loading and/or humidity.

A synthetic micro mesh media backing ensures media protection and support in turbulent or varying airflows.

Camfil is the only manufacturer to use tapered pocket stitching — Pockets are stitched to prevent pocket contact throughout the entire depth of the filter, ensuring uniform airflow and allowing full use of the media area. This results in a longer filter life, lower HVAC energy costs, less filter changes, lower labor costs, lower disposal costs and an overall greener, and environmentally-friendly product.

Pocket stitching is sealed to eliminate air bypass through stitching points. This unique sealant maintains a flexibility that is unaffected by turbulence or varying airflows.



The Hi-Flo ES pockets are also tapered from the air entering side of the filter to the air exiting side of the filter. This conical pocket configuration also prevents media contact against duct interiors.

Each filter is identified on the filter as to its MERV and MERV-A.

The Hi-Flo ES is available in 4 efficiencies and 3 pocket depths, 12", 22" and 30".

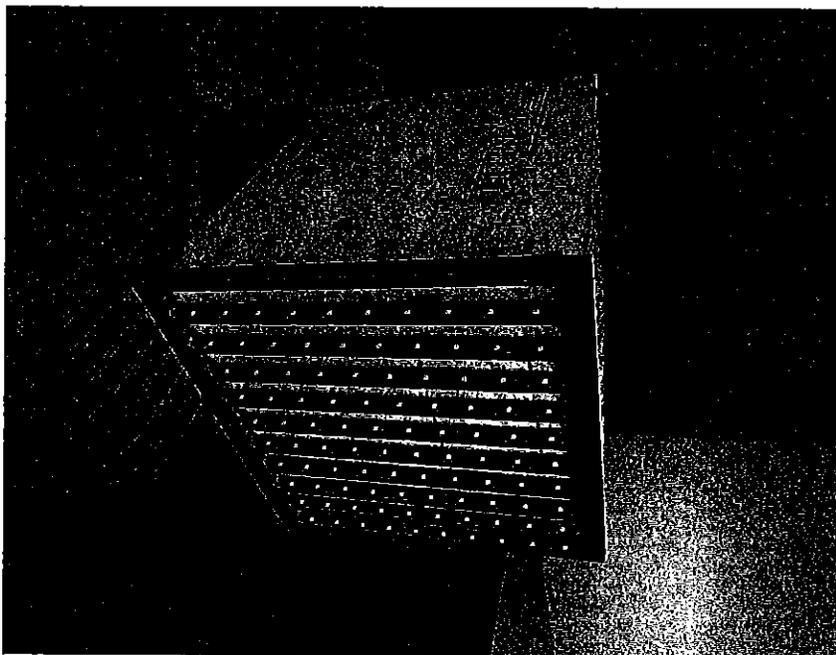


The Camfil Hi-Flo ES (Energy Saver) comes fully guaranteed\* to outperform all competitive products of its kind and to deliver the highest energy savings possible in the industry while maintaining its rated efficiency.

This guarantee eliminates associated risks with choosing or converting to the Hi-Flo ES and serves as proof that Camfil stands behind the product's design features and performance capabilities.

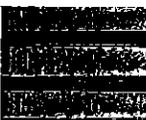


\*Includes all models with 20" depth or larger.

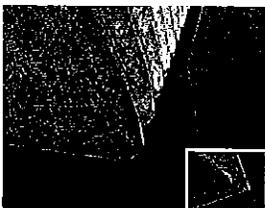


The reinforced ABS plastic header frame is assembled from matching halves to provide rigid and durable filter support. Frame racking is eliminated and the filter fits securely into the slide-access housing or built-up bank holding frame. Its rigidity reduces the possibility of air bypass, even during turbulent airflow. One vertical header includes a gasket to prevent air bypass between filters when they are installed in a filter rack.

Each air tunnel on the air entering side of each pocket is formed to promote uniform airflow through the entire length of the pocket.



Filter bypass between pockets is eliminated through a unique snap-to-seal pocket retainer feature that is an integral part of the 2-piece header design. The media pocket is securely attached to the header frame with anchor ports allowing for visual confirmation.

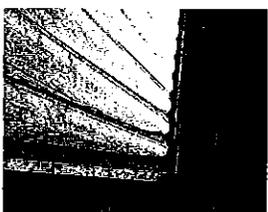


The step-together design of the header results in frame junctions that are completely enclosed.

Sharp corners (see inset) are eliminated for the protection of service personnel. Pocket damage, or other damage related to sharp metal edges or projections is prevented.



Exclusive pocket guard protects pockets during installation — pockets are isolated and not subject to damage or tearing during installation.



The air exiting side of the air tunnels include a pocket flange to ensure pocket integrity throughout the life of the filter. Pockets are also protected during turbulent airflow.

A downstream pocket-to-pocket partition provides additional pocket separation to ensure full flow through the entire media area.

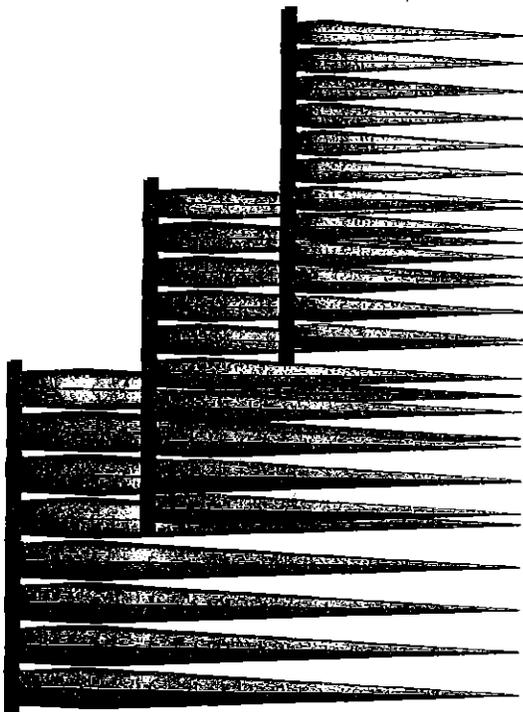




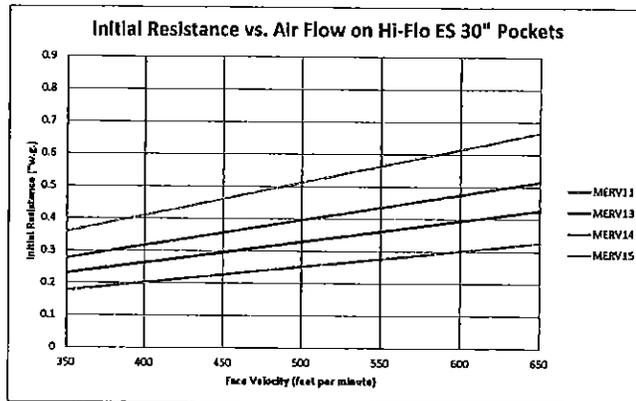
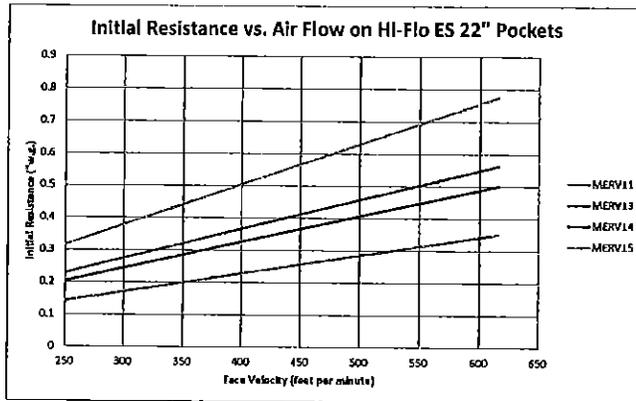
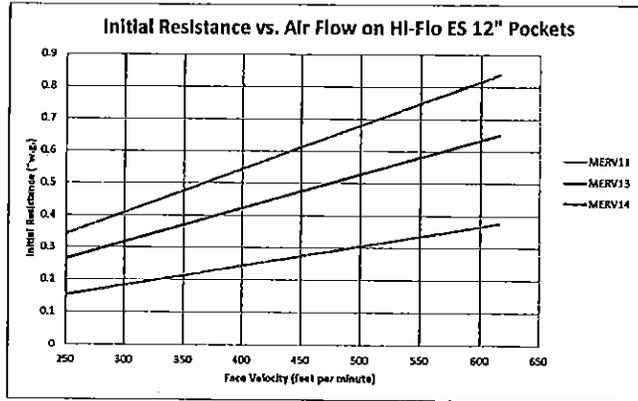
# Hi-Flo<sup>®</sup> ES

Energy Saving, Extended Surface Area, High Efficiency Air Filter

Initial Resistance Versus Airflow  
Contact factory before operating outside of airflow region.



Hi-Flo ES air filters have a very long contaminant loading curve. Camfil Farr recommends ordering replacement filters when initial pressure drop doubles. This ensures that the required energy to move air through the filter is minimized.



Contact factory if application requires velocity of more than 600 fpm.



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**Contract Terms and Conditions**

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**Terms and Conditions**

**BID STANDARD TERMS AND CONDITIONS**

**TERMS AND CONDITIONS FOR THIS BID**

**VENDOR SPECIFICATIONS**

ALL VENDORS MUST INCLUDE SPECIFICATIONS WITH BID PROPOSAL (EVEN THOSE BIDDING BRAND SPECIFIED). FAILURE TO SUBMIT SPECIFICATIONS WITH BID PROPOSAL MAY RESULT IN DISQUALIFICATION OF BID. ITEMS IN CATALOGS MUST BE CLEARLY MARKED AND PAGES TABBED.

**AWARD**

THE STATE, AT ITS SOLE DISCRETION, SHALL RESERVE THE RIGHT TO MAKE ONE OR MULTIPLE AWARDS FOR THIS REQUIREMENT AND/OR TO REJECT ANY OR ALL BIDS.