



CONTRACT DATA SHEET

Monroe County Division of Purchasing
200 County Office Building, Rochester NY 14614

TITLE: HVAC AIR FILTERS

CONTRACT #: 0409-12 (4700006892)

CONTRACT DATES: 5/16/12-4/30/17

BUYER: Phil DiFrancesco
PHONE: 585/753-1130
FAX: 585/324-4278

VENDOR(S): RP Fedder Corp.
740 Driving Park Ave.
Rochester, NY 14613

Ph: 585-288-1600
Fax: 585-288-2481

TERMS AND CONDITIONS

<u>BID ITEM:</u>	HVAC AIR FILTERS
<u>FOR:</u>	Department of Environmental Services
<u>DEPARTMENT CONTACT:</u>	Michael Patanella, (585) 753-7594
<u>DUPLICATE COPIES:</u>	<u>PLEASE SUBMIT YOUR BID IN DUPLICATE; THE ORIGINAL AND ONE (1) COPY.</u>
<u>BID INFORMATION:</u>	At the time of bid, the bidder shall supply detailed specifications covering the item(s) contained herein and shall clearly indicate any areas in which item or items offered do not fully comply with the specifications contained herein.
<u>SUBMITTAL OF FORMAL PROPOSAL:</u>	<p>Bid proposal must be legible and submitted in the original form, bearing an original signature. EMAILS AND FACSIMILES ARE NOT ACCEPTABLE.</p> <p>All bidders must submit proof that they have obtained the required Workers' Compensation and disability benefits coverage or proof that they are exempt.</p>
<u>SPECIFICATION ALTERATIONS:</u>	Specifications will be construed to be complete and be considered the entire description of the goods or services upon which Monroe County is now seeking bids. Only formal written addenda can materially alter this set of specifications. No verbal statement made by a Monroe County employee or anyone else is binding nor shall such statement be considered an official part of this public bid proposal.
<u>QUANTITIES:</u>	The quantities listed are the estimated <u>annual</u> requirements and should not be construed to represent either maximum or minimum quantities to be ordered during the contract term. <u>Estimates are based upon actual annual usage for 2011 by County departments only.</u>
<u>BRAND REFERENCE:</u>	References to a manufacturer's product by brand name or number are done solely to establish the minimum quality and performance characteristics required. Bidders may submit bids on alternates, but must attach two (2) copies of manufacturer specifications for any alternate at the time of the bid. Further, the bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a bidder's alternate rests solely with Monroe County.

QUALIFIED BIDDER:

Each bidder must be prepared to present satisfactory proof of his capacity and ability to perform this contract. Such proof may include, but is not limited to, an inspection of the bidder's facilities and equipment, financial statements, references and performance of similar contracts. **The Purchasing Manager reserves the right to reject any bid where the bidder cannot satisfy the County as to their ability to perform.** Monroe County reserves the right to reject any and all bids if the Monroe County Purchasing Manager deems said action to be in the best interests of Monroe County.

**METHOD OF
AWARD:**

Monroe County intends to award the bid to the lowest responsive and responsible bidder, based on the **TOTAL**. **Bidder must bid on all items in order to be considered.** **The County reserves the right to reject any and all bids** if the Purchasing Manager deems said action to be in the best interest of the County.

CONTRACT TERM:

Contract will start with the date of the contract award and run through **April 30, 2013**, with the option to renew the contract up to four (4) additional twelve (12) month periods with the mutual consent of both parties.

PRICE CHANGES:

Price changes may be proposed by either party no later than forty-five (45) days prior to contract extension, based upon manufacturer price changes which must be supported with documentation. Should price changes not be acceptable to both parties, the contract will not be extended. Prices may change only at the time of extension.

MINIMUM ORDER:

No minimum order is specified for this contract. Agencies must be able to order as needed. **Political subdivisions and others authorized by law may participate in this contract.**

DELIVERY:

All deliveries to be F.O.B. Monroe County to agency as specified by a Purchase Order. Delivery costs must be built into the unit prices bid. Deliveries must be made within **two (2) weeks** after receipt of purchase order number. The County reserves the right to terminate the contract in the event the specified delivery time is not met.

**PURCHASE ORDER
ISSUANCE:**

Delivery of services may be directed by the receipt of a Purchase Order only. **Items that are not part of this bid will not be paid for by Monroe County.** As to all purchase orders issued by Monroe County, exceptions may only be authorized, in writing, by the Purchasing Manager or her authorized agent prior to delivery.

BILLING
PROCEDURE:

All invoices for items sold any authorized agency as a result of this contract must be billed in the following manner: Purchase Order #, Quantity, Description of Item Purchased, BP#, Item #, Extension and Total. **ALL INVOICES MUST BE MARKED WITH THE PURCHASE ORDER NUMBER. INVOICES WITHOUT THIS INFORMATION WILL NOT BE PROCESSED FOR PAYMENT.**

WARRANTY/
GUARANTEE:

All warranties by manufacturer shall apply. Bidder shall, as part of its proposal, furnish its warranty/guarantee for all goods/services to be furnished hereunder. As a minimum, Bidder shall warrant all goods for a period of one (1) year from date of acceptance. Bidder shall be obligated to repair or replace all defects in material or workmanship, which are discovered or exist during said period. All labor, parts and transportation shall be at Bidder's expense.

UNCONTEMPLATED
PURCHASES:

Monroe County reserves the right to request separate bids for such quantities of items on this contract that may be best procured via separate public bid offering and to otherwise act in furthering its own best interests.

SUBCONTRACT:

The Contractor shall not subcontract any work without first obtaining the written consent of the Monroe County Purchasing Manager.

RELATED ITEMS:

The County reserves the right to add miscellaneous related items to this contract during the contract term upon agreement by both parties as to the price. Approval must be given in writing by the Purchasing Manager or her Designee.

REPORT OF
PURCHASE:

The Contractor must, upon request, provide the County Purchasing Manager with detailed information showing how much of each item was delivered to any and all agencies under this contract. This includes deliveries to not only the County but any other municipality or agency which orders from this contract.

OTHER AGENCIES:

The Contractor(s) **must** honor the prices, terms and conditions of this contract with political subdivisions or districts located in whole or in part within Monroe County. In addition, the contractor **may**, but is not required to, extend the prices, terms and conditions of this contract to any political subdivision or district located in New York State. Usage of this contract by any of these other political subdivisions or districts will have to be coordinated between that subdivision or district and the contractor. Orders placed against this contract between any subdivision or district will be contracts solely between the Contractor(s) and those entities. Monroe County will not be responsible for, nor will it have any liability or other obligation for, such contract between the Contractor(s) and any third party.

INDEMNIFICATION:

The Contractor agrees to defend, indemnify and save harmless the County, its officers, agents, servants and employees from and against any and all liability, damages, costs or expenses, causes of action, suits, judgments, losses and claims of every name not described, including attorneys' fees and disbursements, brought against the County which may arise, be sustained or occasioned directly or indirectly by any person, firm or corporation arising out of or resulting from the performance of the services by the Contractor, arising from any act, omission or negligence of the Contractor, its agents and employees or arising from any breach or default by the Contractor under this Agreement. Nothing herein is intended to relieve the County from its own negligence or misfeasance or to assume any such liability for the County by the Contractor.

BP0409-12
HVAC AIR FILTERS
TECHNICAL SPECIFICATIONS

CATEGORIES:

- I. PLEATED EXTENDED SURFACE AREA, DISPOSABLE AIR FILTERS
- II. HIGH CAPACITY EXTENDED SURFACE MINI-PLEAT AIR FILTERS
- III. RING PANEL TYPE, POLYESTER, INTERNAL WIRE, DISPOSABLE AIR FILTERS
- IV. AUTOMATIC ROLL TYPE, FIBERGLASS WITH CORE, DISPOSABLE AIR FILTERS
- V. EXTENDED SURFACE BAG AIR FILTERS

CATEGORY I: PLEATED EXTENDED SURFACE AREA, DISPOSABLE AIR FILTERS

SCOPE:

This specification covers pleated panel filters that are a component of heating, ventilation and air-conditioning systems.

CONSTRUCTION:

The filters shall consist of a pleated media pack contained in a die cut beverage board frame.

MEDIA:

Media shall be made of Mechanical Filtration – synthetic media not acceptable.

MEDIA PACK:

The media shall be formed into uniformly shaped pleats with equal height measured from pleat apex to apex.

The media shall have an extended metal grid with 95% open area bonded to the air leaving side to shape the pleats and prevent fluttering in operation. The expanded metal grid shall be made of electroplate galvanized steel to inhibit rust.

The media shall be a MERV 8 minimum of ¼" larger than the inside dimensions of the die cut frame to completely seal the pack inside the filter.

The filters shall contain no less than the number of pleats per lineal foot as specified in the following schedule:

Filter Thickness	Pleats per Foot
2"	14
4"	10

FILTER FRAME:

The pleated media pack shall be contained in a frame made from two pieces of die cut beverage board with high wet strength characteristics. The two mating pieces of the die cut frame shall be fully overlapped around the entire perimeter of the filter. Diagonal support members shall be an integral part of both die cut pieces providing support for the media pack on both sides.

PLEATED SUPPORT FINGERS (4" SIZES ONLY)

Two (2) sets of pleat stabilizes (fingers) shall be inserted into the filters to maintain proper pleat separation and reduce fluttering in operation.

MEDIA PACK ADHESIVE:

The entire inside surface of both die cut frame pieces shall be coated with a water repellent adhesive to bond the pack inside frame on all four edges. The pleat tips shall be bonded to the diagonal support members at all points of contact.

The adhesive shall be water repellent and maintain its bonding characteristics when wet. The adhesive shall not soften or dissolve when the filter is wet.

PERFORMANCE:

The filters shall meet the following minimum performance requirements based on the ASHRAE 52.2 test standards. Tests conducted on 24 x 24 size filters shall be representative of the performance of all sizes purchased.

Nominal Size	24 x 24 x 2	24 x 24 x 4
Rated Air Flow Capacity (CFM)	2000	2000
Initial Resistance @ Rated Air Flow (In. W.G.)	.35"	.30"
Final Resistance (In. W.G.)	1.0"	1.0"
Initial Dust Spot Efficiency	20%	20%
Average Dust Spot Efficiency	32%	32%
Dust Holding Capacity (Grams) @ 1.0" W.G.	150g	180g
MERV Rating	8	8

UNDERWRITERS LABORATORIES CLASSIFICATION

The filters shall be classified Class 2 per U.L. Standard 900.

BID ATTACHMENTS

ONE (1) ASHRAE 52.2 test report for each filter thickness from a commercially operated testing facility.

CATEGORY II: HIGH CAPACITY EXTENDED SURFACE MINI-PLEAT FILTERS**SCOPE:**

This specification covers extended surface, mini-pleat filters that are a component of heating, ventilating and air conditioning systems.

CONSTRUCTION:

The filters shall consist of a series of eight (8) mini-pleat media packs assembled in a V-bank arrangement and sealed in a combination steel and plastic support structure.

MEDIA:

The media shall be made of a continuous sheet of ultra-fine micro glass paper pleated to form an extended surface, mini-pleat media pack.

The media shall be water resistant. Humidity or intermittent exposure to sensible moisture shall have no effect on the performance of the filter other than a temporary rise in resistance.

SEPARATORS:

The separators shall be continuous beads of adhesive to maintain proper pleat spacing over the life of the filter.

END PANELS:

The ends of the mini-pleat packs shall be contained in preformed plastic panels that properly position the packs and allow them to be completely sealed. Each end panel shall have a notch designed to attach a 12" spring clip when the filters are installed in a reverse flow system.

SUPPORT STRUTS:

The pleat packs shall be supported by galvanized steel struts. The packs shall be bonded along their entire length to the support struts. The struts shall also be mechanically fastened to the end panels with locking tabs.

HEADER:

The end panels and support struts shall be formed with a header on the air entering side for proper latching or installation into side access systems.

MEDIA AREA:

The filters shall contain a minimum amount of media per the following schedule.

24 x 24 x 12	typical range 180-200 sq. ft.
20 x 24 x 12	typical range 150-165 sq. ft.
12 x 24 x 12	typical range 80-95 sq. ft.

PERFORMANCE:

The filters shall meet the following minimum performance requirements based on the ASHRAE 52.2 test standard. Tests conducted on 24 x 24 x 12 size filters shall be representative of the performance of all sizes purchased.

Performance Requirements:

Rated Efficiency	90-95%
Rated Air Flow Capacity (CFM)	2000
Initial Resistance @ 500 FPM (in. W.G.)	.40"
Final Resistance (In W.G.)	1.50"
Initial Dust Spot Efficiency	75%
Average Dust Spot Efficiency	90%
MERV Rating	14
Dust Holding Capacity (Grams)	460g

OPERATING TEMPERATURE LIMITS:

The filter shall operate at temperatures up to 180 degrees F without materially affecting filter integrity or performance.

UNDERWRITERS LABORATORIES CLASSIFICATION

The filters shall be classified Class 2 per U.L. Standard 900.

BID ATTACHMENTS

ONE (1) ASHRAE 52.2 test report for each filter thickness from a commercially operated testing facility.

CATEGORY III: RING PANEL TYPE, POLYESTER, INTERNAL WIRE, DISPOSABLE AIR FILTERS

SCOPE:

Air filters should be ring panel type, constructed of 100% polyester, for high humidity or wet applications. The self-gasketing frame shall prevent air bypass in distorted or problem framing systems.

CONSTRUCTION:**MEDIA:**

Filters shall be 100% non-woven polyester media. Three distinctly different layers of media shall be utilized, each stage being denser than the one preceding it. The air leaving side shall be treated with a non-toxic, non-migratory adhesive which is a component of the raw material.

FRAME:

A galvanized wire shall be thermally sealed (not sewn) within the filter for integrity. A continuous thermal seal (not sewn) shall run around the outside edge of the wire and on both sides of any center wire. There shall be sufficient media overlap to ensure a positive seal between the filter and the holding frame.

PERFORMANCE:

The filters shall meet the following minimum performance requirements based on the ASHRAE 52.2 test standard. Tests conducted on 24 x 24 size filters shall be representative of the performance of all sizes purchased.

Performance Requirements:

Initial Resistance (In. W.G.)	.32
Final Resistance (In. W.G.)	1.0
MERV Rating @ 250 ft/min	8

BID ATTACHMENTS

ONE (1) ASHRAE 52.2 test report for each filter thickness from a commercially operated testing facility.

CATEGORY IV: AUTOMATIC ROLL TYPE, FIBERGLASS WITH CORE, DISPOSABLE AIR FILTERS**SCOPE:**

This category covers replacement media for roll type air filter mechanisms, which are components of air conditioning, heating and ventilating systems. Unless otherwise specified, the words "roll media" refer to an assembly consisting of a primary element (i.e. filtering media) a device on which the primary element is wound (spool, tube or core), end plates and ancillary devices necessary to meet agency needs specified.

CONSTRUCTION:**MEDIA:**

The media shall be of continuous bonded fiberglass material, which when clean, shall not compress more than one-fourth inch when subjected to air flow of 500 FPM. The media shall have varying density increasing from front to rear to insure full depth loading, with scrim backing. Media shall be embedded with an odorless and flameproof adhesive, which will not flow in storage when subjected to temperatures up to 175 degrees F. Media shall be a non-allergic and non-toxic type, without detectable odor. Media shall meet UL 900 class 2. Media shall be 2" nominal thickness and 65' in length.

FRAME:

Filter media shall be in continuous uniform roll and shall fit all manufacturer's automatic roll filter equipment with no modifications. A heavy duty kraft paper leader and trailer must be sewn to media (not stapled) and must be a minimum of 4' long. Each roll must be packaged in a sealed plastic bag to prevent adhesive migration. Each roll of media shall be comprised of a suitable disposable spool or core and any other accessories necessary for installation.

PERFORMANCE:

The filters shall meet the following minimum performance requirements based on the ASHRAE 52.2 test standard.

Performance Requirements:

Initial Resistance @500 FPM (In. W.G.)	.20
Final Resistance (In. W.G.)	.50

UNDERWRITERS LABORATORIES CLASSIFICATION

The filters shall be classified Class 2 per U.L. Standard 900.

BID ATTACHMENTS

ONE (1) ASHRAE 52.2 test report for each filter thickness from a commercially operated testing facility.

CATEGORY V: EXTENDED SURFACE BAG AIR FILTERS

SCOPE:

The air filters shall be high efficiency ASHRAE extended surface pocket style filters consisting of high loft air laid micro fine glass media, a galvanized steel header, galvanized steel pocket retainers, and bonding agents to prevent air bypass and ensure leak performance.

Sizes shall be as noted on supporting materials.

CONSTRUCTION:

Filter media shall consist of high-density air laid lofted microfine glass media that is chemically bonded to permeable media support backing forming a lofted filter blanket.

Individual pockets shall contain a minimum of 40 stitching support points per square foot of media area. All stitching centers shall be sealed using a foam-based sealant that remains pliable throughout the life of the filter. The sides and ends of each pocket shall be sewn with a chain-link over lock stitch.

Pockets shall be formed into tapered pleats, supported by controlled media space stitching, to promote uniform airflow across the surface of the media. At any point, the sizes of the upstream and downstream passages shall be proportional to the volume of filtered air.

Support members shall include a galvanized steel header and galvanized steel pocket retainers. The header shall be bonded to the media to prevent air bypass. Individual pocket retainers shall be fastened with a mechanical crimp to lock individual pockets together. The media pocket shall be bonded to the pocket retainers to prevent air bypass. The frame shall form a rigid and durable support assembly.

A filter sealing gasket shall be installed on one of the vertical members of the filter header.

PERFORMANCE:

The filters shall have a Minimum Efficiency Reporting Value of (MERV9, MERV11, MERV 13, MERV15) per ASHRE standard 52.2-2007. It shall have a MERV-A of (9, 11, 13, 15)* when tested under Appendix 1 of the standard.

The filter shall be capable of withstanding 5.0" w.g. without failure of the filter.

The filter shall have an Energy Cost Index (ECI) value of five stars.

The filter shall be classified by Underwriters Laboratories as UL Class 2.

Manufacturer shall provide evidence of facility certification to ISO 9001-2000.

The filter shall contain eight (8) individual pockets.

Nominal Size	24 x 24 x 15	24 x 24 x 5	24 x 24 x 15
Rated Air Flow Capacity (CFM)	1000	1250	1500
Initial Resistance @ Rated Air Flow (In. W.G.)	.42"	.53"	.67"
Media Square Feet	47.66	47.66	47.66
MERV Rating	15	15	15
Average Dust Spot Efficiency	90-95%	90-95%	90-95%

Nominal Size	24 x 24 x 15	24 x 24 x 5	24 x 24 x 15
Rated Air Flow Capacity (CFM)	1000	1250	1500
Initial Resistance @ Rated Air Flow (In. W.G.)	.35"	.45"	.56"
Media Square Feet	47.66	47.66	47.66
MERV Rating	13	13	13
Average Dust Spot Efficiency	80-85%	80-85%	80-85%

Nominal Size	24 x 24 x 15	24 x 24 x 5	24 x 24 x 15
Rated Air Flow Capacity (CFM)	1000	1250	1500
Initial Resistance @ Rated Air Flow (In. W.G.)	.29"	.37"	.47"
Media Square Feet	47.66	47.66	47.66
MERV Rating	11	11	11
Average Dust Spot Efficiency	60-65%	60-65%	60-65%

Nominal Size	24 x 24 x 15	24 x 24 x 5	24 x 24 x 15
Rated Air Flow Capacity (CFM)	1000	1250	1500
Initial Resistance @ Rated Air Flow (In. W.G.)	.24"	.30"	.38"
Media Square Feet	47.66	47.66	47.66
MERV Rating	9	9	9
Average Dust Spot Efficiency	40-45%	40-45%	40-45%

SUPPORTING DATA:

Provide ASHRE product test report per ASHRE Standard 52.2-2007, including testing per appendix J.

Product shall be Camfil Farr Hi-Flo or County approved equal.

BP#0409-12
AIR FILTERS, HVAC
UNIT PRICE SHEET

FILTRATION GROUP, PLEATED FILTERS CATEGORY I FILTER SIZE		UNIT PRICE
12 x 24 x 2		\$2.32
24 x 24 x 2		\$3.13
16 x 25 x 2		\$2.53
16 x 20 x 2		\$2.32
20 x 25 x 2		\$2.82
20 x 20 x 2		\$2.53
20 x 24 x 2		\$2.82
20 x 22.5 x 1		\$1.96
14.875 x 27 x 1		\$1.62
FILTRATION GROUP, FP MINI PLEAT FILTERS CATEGORY II FILTER SIZE		
24 x 24 x 12		\$82.54
12 x 24 x 12		\$63.63
FILTRATION GROUP, POLY PANELS WITH LINKS CATEGORY III FILTER SIZE		
20 x 20		\$2.58
20 x 25		\$3.17
FILTRATION GROUP, AUTO ROLLS CATEGORY IV FILTER SIZE		
4' x 65' roll		\$49.58
5' x 65' roll		\$69.96
FILTRATION GROUP, EXTENDED SURFACE BAG CATEGORY V FILTER SIZE		
24X24X15 MERV 15		\$26.61

MONROE COUNTY PURCHASING

Vendor Performance Survey

Contract Title:

Contract Number:

Vendor:

Please rank the vendor performing the contract specified on a scale from "1" to "10" with "1" being poor, "5" average and "10" excellent. Please include any additional comments or suggestions in the space provided below. Monroe County Purchasing appreciates your input.

	Poor				Average					Excellent
	1	2	3	4	5	6	7	8	9	10
Item(s) supplied met specifications										
Product provided value (taking into account price, quality, etc.)										
Timeliness of delivery										
Completeness and accuracy of order										
Ability to contact representatives of vendor when needed? (If unavailable was call back prompt?)										
Invoices received promptly and accurately										
Recommendations received from the vendor (ie. product information, cost saving strategies, ideas for better use of resources, etc.)										

Survey Completed by:

Name:

Title:

Agency:

Telephone: _____ **Fax:**

E-mail:

Please submit this survey to Monroe County Purchasing.