



**COUNTY OF ERIE  
DIVISION OF PURCHASE  
MEMORANDUM**

**To:** All Using Departments

**From:** Jamie Kucewicz, Buyer

**Date:** March 23, 2023

**Subject:** FILTERS

**Bid No.:** 222034-002

**Effective Dates:** Extended through February 28, 2024

**Vendor:** John W. Danforth Company  
300 Colvin Woods Parkway  
Tonawanda, NY 14150  
Telephone # – (716)-832-1940

**Pricing:** per attached documents



DIVISION OF PURCHASE  
VALLIE M. FERRARACCIO  
DIRECTOR

February 2, 2023

John W. Danforth Company  
300 Colvin Woods Parkway  
Tonawanda, NY 14150  
Attn: Mr. Jason P. Rudich

Re: 222034-002 Filters

Dear Mr. Jason P. Rudich:

The County of Erie wishes to extend this agreement for an additional contract period, through February 28, 2024, under the same prices, terms and conditions as the original agreement.

Extension is provided for per paragraph 26, Page 5 of 6 of the "Instructions to Bidders". This offer is for your immediate consideration and acceptance. Please indicate below whether you agree to extend or do not wish to extend. Please respond within seven days upon receipt of this request.

After approval and execution by the County, a fully signed copy will be returned to you for your files.

Yes, I agree to extend       No, I do not wish to extend

Company Name: John W. Danforth Co.

Representative (Please print): RICHARD CAAROW Title: FILTRATION ACCOUNTS Manager

Signature: [Signature] Date: 3.23.23

Sincerely,

[Signature]  
James D. Kucewicz  
Buyer

[Signature]  
Vallie M. Ferraraccio  
Director of Purchase  
3/23/2023  
DATE

## Specifications

### General

Filters shall be 15/40 3-Ply Panel and Link Filters

The quantity sizes and capacities shall be as scheduled or noted on the drawings or other supporting documents.

### Construction

The filter media shall consist of a non-woven blend of 100% no. 15 denier polyester with a uniformly penetrated vinyl acetate resin binder (20-23%).

The Antimicrobial treatment will be Ultra-Fresh NM-V2 which is Greenguard certification.

The filter shall have a downstream layer that is composed of a needled, synthetic media that has dual directional strength, insuring filter integrity as it becomes loaded.

The filter shall utilize two distinctive tackifiers, both a wet and dry tack, to maximize filtration.

The filter shall utilize an internal wire support constructed of a nine- and one-half gauge galvanized wire. Cross wires will be utilized on all panels greater than eleven and one quarter inches for added rigidity.

The internal wire support shall be encapsulated between the different piles of synthetic media by a thermally generated seal.

Family Court: The 24x24x2 pleated filters should be MERV 10

Aeolus Minipleat filters must have reinforced frames only – no cardboard

HVAC Repair Shop: The “bag” filters have a galvanized steel frame and fiberglass open throat pocket design with a MERV rating of 14.

25 Delaware: V-Cell/Box Filters – MERV 14 (90-95%), 4-panel minimum

Pre-Filters – 3-ply with antimicrobial MERV 10 (50-55%)

### Options

The filter shall be Class 1 per Standard 900 from Underwriters Laboratories.

The filter shall be treated with an EPA Registered Antimicrobial to inhibit the growth of mold, mildew and bacteria.

The filters shall be available in a linked panel configuration.

The filter shall be available in a configuration for confined or limited access units.

## **Performance**

Link Filter performance must meet Minimum Efficiency Reporting Value of 8 according to ASHRAE Standards 52.2-1999. A wet tackifier must be applied to assist in retaining particles within the filter. Each link shall have a galvanized frame, heat-sealed between both plies.

Pleated Filters performance must meet the Minimum Efficiency Reporting Value of 8 according to ASHRAE Standards 52.2-1999. The filter shall achieve a minimum E2 value of 55.5% and a minimum E3 value of 59.4%. The filter shall have a final resistance of 1.0W.G.

Viledon MF90s shall have a MERV 14 Efficiency when tested at 1968 cfm per ASHRAE test standard 52.-2. The maximum initial pressure drop of 0.36" W.C. tested at 492 FPM.

The filter shall have a documented maximum initial pressure drop of 0.31 inches WC when tested at 492 FPM.

The filter shall be tested to ASHRAE test standard 52.-2 and conducted by an independent lab, and have a MERV 15 Efficiency when tested at 1968 CFM.

The filter shall have a documented burst strength of no less than > 12" w.g.

The filter shall be certified by Greenguard Environmental Institute Certification No: AC1AF97011-1 low-emitting materials and products.

Bid #222034-002

PRICING SHEET

LOCATION	EST. QUANTITY	TYPE	SIZE	PRICE EACH	TOTAL
YOUTH DETENTION	2	Z-LINE ZL PLEATED -MERV 13	15 X 25 X 2	\$10.44	\$20.88
YOUTH DETENTION	168	Z-LINE ZL PLEATED -MERV 13	16 X 20 X 4	\$9.80	\$1,646.40
YOUTH DETENTION	48	Z-LINE ZL PLEATED -MERV 13	16 X 25 X 4	\$10.01	\$480.48
YOUTH DETENTION	12	Z-LINE ZL PLEATED -MERV 13	20 X 25 X 2	\$3.47	\$41.64
YOUTH DETENTION	144	Z-LINE ZL PLEATED -MERV 13	20 X 25 X 4	\$10.55	\$1,519.20
YOUTH DETENTION	12	Z-LINE ZL PLEATED	14 X 25 X 1	\$2.81	\$33.72
YOUTH DETENTION	12	Z-LINE ZL PLEATED	8 X 28 X 1	\$8.11	\$97.32
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PUBLIC SAFETY CAMPUS	256	Z-LINE ZL PLEATED -MERV 13	24 X 24 X 2	\$7.36	\$1,884.16
PUBLIC SAFETY CAMPUS	32	Z-LINE ZL PLEATED -MERV 13	20 X 24 X 2	\$6.64	\$212.48
PUBLIC SAFETY CAMPUS	48	Z-LINE ZL PLEATED -MERV 13	12 X 24 X 2	\$5.04	\$241.92
PUBLIC SAFETY CAMPUS	32	Z-LINE ZL PLEATED -MERV 13	16 X 20 X 2	\$5.22	\$167.04
PUBLIC SAFETY CAMPUS	20	Z-LINE ZL PLEATED -MERV 13	20 X 25 X 4	\$10.55	\$211.00
PUBLIC SAFETY CAMPUS	12	Z-LINE ZL PLEATED -MERV 13	16 X 30 X 2	\$6.09	\$73.08
PUBLIC SAFETY CAMPUS	8	Z-LINE ZL PLEATED -MERV 13	17.5 X 31.5 X 4 - EXACT **	\$29.04	\$232.32
PUBLIC SAFETY CAMPUS	12	Z-LINE ZL PLEATED -MERV 13	26 X 28.5 X 2	\$29.75	\$357.00
PUBLIC SAFETY CAMPUS	32	SERIES 154 3/PLY LINK	25 X 112	\$33.79	\$1,081.28
PUBLIC SAFETY CAMPUS	20	95% AEOLUS V-CELL MERV 15	20 X 24 X 12	\$84.31	\$1,686.20
PUBLIC SAFETY CAMPUS	8	95% AEOLUS V-CELL MERV 15	24 X 24 X 12	\$95.39	\$763.12
PUBLIC SAFETY CAMPUS	4	95% AEOLUS V-CELL MERV 15	20 X 20 X 12	\$106.47	\$425.88
PUBLIC SAFETY CAMPUS	4	99.99% HC METAL HEPA	24 X 24 X 11.5	\$235.00	\$940.00
PUBLIC SAFETY CAMPUS	8	HIGH VELOCITY PLEAT	24 X 24 X 2	\$4.13	\$33.04
PUBLIC SAFETY CAMPUS	12	FIBERGLASS DISPOSABLE	8-7/8 X 24-1/8 X 1	\$3.75	\$45.00

LOCATION	EST. QUANTITY	TYPE	SIZE	PRICE EACH	TOTAL
ECCF	36	Aeolus Mini Pleated 90% Efficiency, Merv 15	24 X 24 X 4	\$61.18	\$2,202.48
ECCF	79	Aeolus Mini Pleated 90% Efficiency, Merv 13	20 X 25 X 2	\$23.53	\$1,858.87
ECCF	55	Aeolus Mini Pleated 90% Efficiency, Merv 13	20 X 20 X 2	\$20.71	\$1,139.05
ECCF	4	Aeolus Mini Pleated 90% Efficiency, Merv 13	16 X 20 X 2	\$17.88	\$71.52
ECCF	12	Z-LINE ZL PLEATED MERV 10	11 X 45 X 1	\$12.41	\$148.92
ECCF	36	Z-LINE ZL PLEATED MERV 10	16 X 20 X 1	\$2.49	\$89.64
ECCF	24	Z-LINE ZL PLEATED MERV 10	20 X 20 X 1	\$2.80	\$67.20
ECCF	24	Z-LINE ZL PLEATED MERV 10	8 X 20 X 1	\$7.84	\$188.16
ECCF	6	Z-LINE ZL PLEATED MERV 10	20 X 25 X 1	\$3.09	\$18.54
RATH	12	Z-LINE ZL PLEATED MERV 13	9 x 31 x 1	\$15.39	\$184.68
RATH	12	Z-LINE ZL PLEATED MERV 13	9-3/4 x 19-5/8 x 1	\$14.09	\$169.08
RATH	12	Z-LINE ZL PLEATED MERV 13	16 x 20 x 2	\$5.22	\$62.64
RATH	24	Z-LINE ZL PLEATED MERV 13	20 x 20 x 1	\$5.46	\$131.04
RATH	12	Z-LINE ZL PLEATED MERV 13	28 x 24 x 2	\$29.75	\$357.00
RATH	42	Z-LINE ZL PLEATED MERV 13	24 x 24 x 2	\$7.36	\$309.12
RATH	4	Z-LINE ZL PLEATED MERV 13	20 X 20 X 4	\$10.46	\$41.84
RATH	56	Z-LINE ZL PLEATED MERV 13	23 X 24 X 4	\$10.55	\$590.80
RATH	116	AIR FILTER PLEATED ,MERV 13	24 X 24 X 4	\$10.58	\$1,227.28
RATH	14	AIR FILTER , V , SYNTHETIC	24 X 24 X 12	\$86.73	\$1,214.22

LOCATION	EST. QUANTITY	TYPE	SIZE	PRICE EACH	TOTAL
FAMILY COURT	144	Z-LINE ZL PLEATED MERV 13	24 X 24 X 2	\$7.36	\$1,059.84
FAMILY COURT	144	Z-LINE ZL PLEATED MERV 13 , BOX STYLE	24 X 24 X 4	\$10.58	\$1,523.52
FAMILY COURT	108	POLY , RING PANELS ,3 PLY	24 x 24 X 1	\$6.35	\$685.80
25 DELAWARE	25	V-CELL ,4V,SYNTHETIC,AEOLUS,MERV 15	12 X 24 X 12	\$51.44	\$1,286.00
25 DELAWARE	62	V-CELL ,4V,SYNTHETIC,AEOLUS,MERV 15	20 X 20 X 12	\$106.47	\$6,601.14
25 DELAWARE	119	V-CELL ,4V,SYNTHETIC,AEOLUS,MERV 15	20 X 24 X 12	\$80.60	\$9,591.40
25 DELAWARE	52	V-CELL ,4V,SYNTHETIC,AEOLUS,MERV 15	24 X 24 X 12	\$86.73	\$4,509.96
25 DELAWARE	6	NOMINAL 3-PLY LINK POLY,GLASFLOSS ,MERV 10	16 X 134	\$31.25	\$187.50
25 DELAWARE	8	NOMINAL 3-PLY LINK POLY,GLASFLOSS ,MERV 10	16 X 148	\$32.51	\$260.08
25 DELAWARE	24	NOMINAL 3-PLY LINK POLY,GLASFLOSS ,MERV 10	16 X 64	\$13.72	\$329.28
25 DELAWARE	6	NOMINAL 3-PLY LINK POLY,GLASFLOSS ,MERV 10	16 X 72	\$16.25	\$97.50
25 DELAWARE	18	NOMINAL 3-PLY LINK POLY,GLASFLOSS ,MERV 10	20 X 116	\$29.06	\$523.08
25 DELAWARE	10	NOMINAL 3-PLY LINK POLY,GLASFLOSS ,MERV 10	20 X 134	\$34.60	\$346.00
25 DELAWARE	4	NOMINAL 3-PLY LINK POLY,GLASFLOSS ,MERV 10	20 X 140	\$34.02	\$136.08
25 DELAWARE	4	NOMINAL 3-PLY LINK POLY,GLASFLOSS ,MERV 10	20 X 40	\$10.21	\$40.84
25 DELAWARE	18	NOMINAL 3-PLY LINK POLY,GLASFLOSS ,MERV 10	20 X 72	\$17.00	\$306.00
25 DELAWARE	16	NOMINAL 3-PLY LINK POLY,GLASFLOSS ,MERV 10	24 X 90	\$26.27	\$420.32
25 DELAWARE	4	NOMINAL 3-PLY LINK POLY,GLASFLOSS ,MERV 10	25 X 105	\$29.71	\$118.84
77 WEST EAGLE	12	PLEATED GLASFLOSS, MERV 13	25 X 25 X 2	\$15.16	\$181.92
77 WEST EAGLE	6	PLEATED GLASFLOSS, MERV 13	20 X 24 X 2	\$6.64	\$39.84
77 WEST EAGLE	6	PLEATED GLASFLOSS, MERV 13	20 X 25 X 2	\$6.76	\$40.56

LOCATION	EST. QUANTITY	TYPE	SIZE	PRICE EACH	TOTAL
134 WEST EAGLE	19	95% AEOLUS V-CELL MERV 15	12 X 24 X 12	\$51.44	\$977.36
134 WEST EAGLE	50	95% AEOLUS V-CELL MERV 15	24 X 24 X 12	\$86.73	\$4,336.50
134 WEST EAGLE	76	3-PLY PANEL ,MERV 8	12 X 24	\$4.39	\$333.64
134 WEST EAGLE	236	3-PLY PANEL ,MERV 8	24 X 24	\$6.35	\$1,498.60
134 WEST EAGLE	8	3-PLY PANEL ,MERV 8	20 X 60	\$15.34	\$122.72
134 WEST EAGLE	8	Z-LINE ZL PLEATED MERV 10	20 X 20 X 2	\$3.04	\$24.32
134 WEST EAGLE	8	Z-LINE ZL PLEATED MERV 10	16 X 25 X 2	\$3.09	\$24.72
134 WEST EAGLE	8	Z-LINE ZL PLEATED MERV 10	24 X 24 X 2	\$3.78	\$30.24
134 WEST EAGLE	16	Z-LINE ZL PLEATED MERV 10	20 X 24 X 2	\$3.41	\$54.56
134 WEST EAGLE	48	Z-LINE ZL PLEATED MERV 13	15 X 20 X 2	\$6.14	\$294.72
134 WEST EAGLE	64	Z-LINE ZL PLEATED MERV 10	16 X 20 X 2	\$2.68	\$171.52
134 WEST EAGLE	12	Z-LINE ZL PLEATED MERV 10	12 X 20 X 2	\$2.49	\$29.88
134 WEST EAGLE	12	Z-LINE ZL PLEATED MERV 10	16 X 20 X 1	\$2.49	\$29.88



LOCATION	EST. QUANTITY	TYPE	SIZE	PRICE EACH	TOTAL
HVAC SHOP	4	3PLY LINK, MERV 11	19 X 38	\$174.40	\$697.60
HVAC SHOP	6	3PLY LINK, MERV 11	20 X 90	\$23.06	\$138.36
HVAC SHOP	4	3PLY LINK, MERV 11	24 X 120	\$33.24	\$132.96
HVAC SHOP	10	3PLY LINK, MERV 11	25 X 44	\$13.25	\$132.50
HVAC SHOP	2	3PLY LINK, MERV 11	25 X 48	\$16.15	\$32.30
HVAC SHOP	12	BAG FILTER - 6 POCKET, MERV 11	20 X 24 X 18	\$29.72	\$356.64
HVAC SHOP	10	BAG FILTER - 6 POCKET, MERV 11	24 X 24 X 20	\$34.19	\$341.90
HVAC SHOP	1	ROLL MEDIA #7 MERV 11	21 X 90 X 1	\$82.92	\$82.92
HVAC SHOP	3	ROLL MEDIA #7 MERV 11	60 X 90 X 1	\$179.49	\$538.47
HVAC SHOP	12	Z-LINE ZL PLEATED MERV 11	10 X 20 X 1	\$2.32	\$27.84
HVAC SHOP	12	Z-LINE ZL PLEATED MERV 11	14 X 20 X 1	\$3.09	\$37.08
HVAC SHOP	128	Z-LINE ZL PLEATED MERV 11	14 X 20 X 2	\$3.54	\$453.12
HVAC SHOP	24	Z-LINE ZL PLEATED MERV 11	14 X 25 X 1	\$3.39	\$81.36
HVAC SHOP	32	Z-LINE ZL PLEATED MERV 11	14 X 25 X 2	\$3.58	\$114.56
HVAC SHOP	6	Z-LINE ZL PLEATED MERV 11	14 X 30 X 2	\$3.66	\$21.96
HVAC SHOP	12	Z-LINE ZL PLEATED MERV 11	15 X 20 X 2	\$3.78	\$45.36
HVAC SHOP	36	Z-LINE ZL PLEATED MERV 11	16 X 20 X 1	\$3.00	\$108.00
HVAC SHOP	24	Z-LINE ZL PLEATED MERV 11	16 X 20 X 2	\$3.22	\$77.28
HVAC SHOP	16	Z-LINE ZL PLEATED MERV 11	16 X 25 X 2	\$3.74	\$59.84
HVAC SHOP	2	Z-LINE ZL PLEATED MERV 11	16 X 30 X 2	\$3.74	\$7.48
HVAC SHOP	12	Z-LINE ZL PLEATED MERV 11	17.5 X 19.5 X 2	\$10.44	\$125.28
HVAC SHOP	2	Z-LINE ZL PLEATED MERV 11	18 X 20 X 1	\$3.61	\$7.22
HVAC SHOP	2	Z-LINE ZL PLEATED MERV 11	18 X 20 X 2	\$4.53	\$9.06

LOCATION	EST. QUANTITY	TYPE	SIZE	PRICE EACH	TOTAL
HVAC SHOP	2	Z-LINE ZL PLEATED MERV 11	18 X 27 X 1	\$9.93	\$19.86
HVAC SHOP	36	Z-LINE ZL PLEATED MERV 11	20 X 20 X 1	3.35	\$120.60
HVAC SHOP	12	Z-LINE ZL PLEATED MERV 11	20 X 24 X 2	\$4.08	\$48.96
HVAC SHOP	2	Z-LINE ZL PLEATED MERV 11	20 X 25 X 1	\$3.72	\$7.44
HVAC SHOP	24	Z-LINE ZL PLEATED MERV 11	20 X 25 X 2	\$4.16	\$99.84
HVAC SHOP	24	Z-LINE ZL PLEATED MERV 11	20 X 30 X 1	\$3.74	\$89.76
HVAC SHOP	12	Z-LINE ZL PLEATED MERV 11	24 X 24 X1	\$4.05	\$48.60
HVAC SHOP	2	Z-LINE ZL PLEATED MERV 11	24 X 24 X 2	\$4.53	\$9.06
HVAC SHOP	8	Z-LINE ZL PLEATED MERV 11	16 X 32 X 2	\$18.27	\$146.16
HVAC SHOP	24	Z-LINE ZL PLEATED MERV 11	16 X 35 X 2	\$18.27	\$438.48
HVAC SHOP	12	Z-LINE ZL PLEATED MERV 11	20 X 22 X 1	\$3.95	\$47.40
HVAC SHOP	9	Z-LINE ZL PLEATED MERV 11	9 3/4 X 60 1/4 X 1	\$21.42	\$192.78