

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

# Request for Quotation

DCH09069

304-558-8801

SHELLY MURRAY

RFQ COPY TYPE NAME/ADDRESS HERE

DIVISION OF CULTURE & HISTORY CULTURAL CENTER

1900 KANAWHA BOULEVARD, EAST CHARLESTON, WV 25305-0300 558-0220

01/28/	2009		RMS OF SAL		S	HIP VIA		FOI	******************	FREIGHTTERMS
D OPENING DATE: LINE	QUAN	02/12/	'2009 UOP	CAT NO	n e	BID INUMBER	OP	ENING T		1:30PM AMOUNT
	THE WV DIVISI FOR AI	PURCH ON OF R FILT CULTU	ASING CULTU ERING RAL C	DIVI RE & MEDI ENTER	SION, F HISTORY A FOR T	OR THE ACT OF THE HOLD SPECIO	ICI SYS CO	CY, THE TING BI TEM LOC MPLEX I	WV DS ATED N	AUGUS
001	FILTER	1 S AND	LS FILTE		031-45 IA		-	·		
. The state of the	YEAR O NECESS ORIGIN NOT EX TIME"	F CONT WARD A R UNTI ARY TO AL CON CEED T THE VE UPON	ND EX L SUC OBTA TRACT WELVE NDOR GIVIN	TENDS H "RE IN A . TH (12) May T	FOR A ASONABL NEW CON E "REAS MONTHS ERMINAT	TRACT BECO PERIOD OF E TIME" TRACT OR SONABLE TO TE THIS CO TOR OF PUR	THE RE IME IME INT	NE (1) REAFTER NEW THE PERIO HIS "RE RACT FO	AS IS D SHALL ASONABL R ANY	E
	IN THI PRICIN CONTRA	S CONT G SET CT.	RACT HEREI	DOCUM N ARE Tract	ENT, TH FIRM F MAY BE	RE STIPULA IE TERMS, FOR THE L	CO IFE UP	NDITION OF THE	S AND	PECENDO MORRER 12 AMIO 22 WARURCHASING DIVISION
INATURE				SEE-RE	VERSESIDE	OR TERMS AND CO	ONDI	IONS	DATE	
LE		F	EIN	···	·			ADDR	ESS CHANGE	S TO BE NOTED ABOVE



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130 Charleston, WV 25305-0130

# Request for Quotation DCH09069

DCH09069

SHELLY MURRAY 304-558-8801

vaddressicorressondencerovarientionior

RFQ COPY TYPE NAME/ADDRESS HERE

DIVISION OF CULTURE & HISTORY

**CULTURAL CENTER** 1900 KANAWHA BOULEVARD, EAST CHARLESTON, WV 25305-0300 558-0220

DATE PRINT	<u> conscience de la cons</u>	TER	MS OF SALE	SHIP VI	A	FO.B	FREIGHTTERMS
01/28/ OPENING DATE:		00/10/	2000		D.T.D.	ODENTIC TIME	01.7004
***************************************	550000000000000000000000000000000000000	02/12/	4 4 4 4 1 4 4 4 4 1 4 4 4 4 4 4 4 4 4 4			OPENING TIME	01:30PM
LINE	QUA	NTITY	UOF CAT NO	ITEM NUM	JEH:	UNITPRICE	AMGUNT
			1 1	SPENDING			
			1 6			G THIRTY (30)	
						CH RENEWAL SHANDITIONS OF TH	
						TO TWO (2) OI	
		AR PER	1				
							j
						NG RESERVES TH	
						ELY UPON WRITT	
						S AND/OR SERVI DO NOT CONFO	
						ONTRACT HEREIN	
					- , , , , , , , , , , , , , , , , , , ,		
						RCHASING MAY	
						ON THE OPEN	
				ILING OF A FIED ON TH		ITION OR COST	
						TO UNFORESEEN	
						ELAYS IN TRANS	s -
						IN THE VOLUM	
	OF WOL						
			2	1	3	EQUISITION ARI	l l
						S SUPPLIED BY	
•			1 1			TOOD AND AGREI	I
						F THE CONTRAC	
				THAN THE Q			· <b>'</b>
				•			·
						HALL ISSUE A	
						BER WV-39) TO	
						THIS CONTRACT E MAILED TO T	
	1			1		A SECOND COPY	•
	1		1 :			A THIRD COPY	•
			THE SPEND				
				 Everse side fort	EMSSANDRAM	, NOTIONS	
GNATURE			O Li Li		TELEPHONE		DATE
TLE		Tř.	EIN			ADDRESS OU	ANGEO TO DE NOTED ABOVE



ILE

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130 Charleston, WV 25305-0130

# Request for Quotation DCH09069

DCH09069

SHELLY MURRAY 304-558-8801

and ressectifies condended to a meninonio e

RFQ COPY TYPE NAME/ADDRESS HERE

CULTURAL CENTER 1900 KANAWHA BOULEVARD, EAST CHARLESTON, WV

DIVISION OF CULTURE & HISTORY

25305-0300 558-0220

ADDRESS CHANGES TO BE NOTED ABOVE

		·		
DATE PRINTED	TERMS OF SALE	SHIPVIA	FOB	FAEIGHTTEAMS
01/28/2009				
D OPENING DATE: LINE QU	02/12/2009 ANTITY LIOP CAT NO	BID O	PENING TIME UNIT PRICE	01:30PM AMOUNT
FOR B	ANKRUPTCY PROTECT	ENT THE VENDOR/CO	T IS AUTOMATI	<u>-</u> ·
CALLY ORDER	i J	ND IS TERMINATED	WITHOUT FURTH	ER
SHALL	SUPERSEDE ANY AN	NS CONTAINED IN T D ALL SUBSEQUENT	TERMS AND	
росим	ENTS SUCH AS PRIC	PPEAR ON ANY ATTA	RMS, SALES	
	MENIS UR MAINIENA RONIC MEDIUM SUCI	NCE AGREEMENTS, I AS CD-ROM.	NCLUDING ANY	
REV.	04/11/2001	The state of the s		
EXHIB	IT 6			
1	ADJUSTMENT PROVI	SION: SINIA WILL CONSIDE	R BIDS THAT	
ORIGI	NAL EXPIRATION OF	R PRICE ADJUSTMENT THE CONTRACT, PR	ROVIDED THAT	
MOVEM	ENT OF THE COMMON	COVERS BOTH UPWAR ITY PRICE, AND TH THROUGH" INCREASE	IAT ADJUSTMENT	•
RAW M	ATERIALS AND/OR I	ABOR, WHICH MAKE PRODUCT. ADJUST	UP ALL OR A	
ALL P	RICE ADJUSTMENT I	OLLAR FIGURE, NOT REQUESTS MUST BE	SUBSTANTIATED	IN
GOVER	NMENTAL BENCH MAI	THE DIRECTOR PUR RKS, GENERAL MARKE SUCH REQUESTS F	ET INCREASE,	
SHOUL PURCH	D BE RECEIVED IN ASING AT LEAST 3	WRITING BY THE DID DAYS IN ADVANCE	RECTOR OF OF THE EFFECT	IVE
		ANY TIME THE VEN PURCHASING DIVISI		
3NATURE	SEER	VERSE SIDE FOR TERMS AND CON TELEPHONE		DATE
	Prik!		<del></del>	



RFQ COPY

TYPE NAME/ADDRESS HERE

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

DCH09069

addresseorhessaondengerovariention ob

SHELLY MURRAY

304-558-8801

**DIVISION OF CULTURE & HISTORY** 

CULTURAL CENTER 1900 KANAWHA BOULEVARD, EAST CHARLESTON, WV 25305-0300 558~0220

ADDRESS CHANGES TO BE NOTED ABOVE

DATE PRINT	EO	TER	MS OF SAL			SHIP VIA			F O B			FREIGHT	ERMS
01/28/			2/2/11/11/11/11/11										
OPENING DATE:		02/12/	50000000000000000000000000000000000000					OPENI			01	:30PM	
LINE	QUA	NTITY	UOP	CAT. NO	ITE	MINUMBI	iR		UNITE	RIÇE		AMQU	NT
	ACCERT	THE P	DICE	ATL III C	TMENT	AMD	AMEND	TUE C	OMTD	ACT			
	1	INGLY					1						
	AND CA	NCEL T	HE CO	NTRAC	т.								
												ı	
		RED TE		ሀለፕ ፕ	UE POT	CE6	ON THE	6 6UM	TDAC	T ADE			
		OR LIF	1 .										
	l	ITRACT	CLAUS	E CON	TAINED	HER	EIN, N	от то	EXC	EED O	NE		
	(1) YE	AK.		•									
		HROUGH F CONT					L BE C	ONSID	ERED	AT			
	I THE C	IF CONT	KACI	KENEW	AL UNL	1 •							
		SING C											
	)	CLED TH						i			160		
		CCEPT						1			NG		
	:	OR PAY 'AS A	1				LAUED	BY AN	YSI	AIE			
							1						
				ТОИ	ICE								
	A CTC	NED BID	миет	DE C	нрмттт	en T	n .						
	ļ						!					:	
		DEPARTM PURCHAS	4			OITAS	N						
	1	BUILDIN		TATOT	U IY	•							
		2019 WA					Т						
		CHARLES	IUN,	M A 5	 	1150			•				
												WARRIEN VICTOR OF THE PROPERTY	
	THE B	D SHOU	LD CO	NTAIN	THIS	INFO	RMATIO	N ON	THE	FACE	OF		
INATURE				SEERE	VERSE 6IDE		IMS AND CO	NDITIONS			DATE		,
- Los Mariantes	···												



RFQ COPY

TYPE NAME/ADDRESS HERE

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

# Request for Quotation

DCH09069

2/(G=00

WADDRESSICORRESPONDENCE HOTATRIENTIONICE

SHELLY MURRAY

DIVISION OF CULTURE & HISTORY

CULTURAL CENTER
1900 KANAWHA BOULEVARD, EAST
CHARLESTON, WV
25305-0300 558-0220

<u> </u>	AMS OF SALE SHIP V	IA .	FOR	FREIGHT TERMS
01/28/2009   DOPENING DATE: 02/12.	/2009	RIN OPEN	VING TIME 01:	30PM
LINE QUANTITY	UOP CAT ITEM NUM		UNIT PRICE	AMGUNT
THE ENVELOP	OR THE BID MAY NOT	BE CONSIDE	ERED:	
SEALED BID		To a constant		
BUYER:	SHELLY MUR	RAY / FILE	31	
RFQ. NO.:	DCH09069			
BID OPENING	DATE: 02/12/2009			
BID OPENING	TIME: 1:30 PM	·		
	IDE A FAX NUMBER IN YOUR B	ID:	NECESSARY	
CONTACT PER	SON (PLEASE PRINT CL Wendell Withno	EARLY):	995 MAI 207 100 MAI 207 207 MAI AND MAI	
***** THI	S IS THE END OF RFQ	DCH09069	***** TOTAL:	
3NATURE	SEE REVERSE SIDE FOR	TELEPHONE	DATE	
ÎLE	FEIN		ADDRESS CHANGES 1	O BE NOTED ABOVE

#### West Virginia Division of Culture and History Request for Quotation-DCH09069 HVAC Air Filtering Media

The West Virginia Division of Culture and History is soliciting bids for procurement of air filtering media required for the HVAC system located in the Cultural Center on the Capitol Complex in Charleston, West Virginia.

It is anticipated that the Agency will require 448 units of each type of media annually. Minimum individual order for each type of media will be Fifty-Six (56) units. Piecemeal ordering is due to lack of storage space for the full procurement quantity. Media shall meet the specifications below.

Vendor shall be required to accept a VISA/State of West Virginia Purchasing Card as payment in arrears for the commodity delivered. Bid shall include the cost of shipping to the point of delivery and any other charges required for delivery. Prices shall remain constant for the life of the contract.

#### **SPECIFICATION**

- Pre-Filter: Fiberbond Dustlok filter panel, synthetic media w/ internal wire support, w/ SPOR-AX Anti-microbial agent or, approved equal.
  - o Nominal Size: 24 "x 24" x 1-1/2"
  - Construction:
    - Multi-layered, air laid 100% polyester media securely heatsealed around an internal wire support grid.
    - Panel shall contain four (4) long, continuous parallel internal seal bars to prevent media fluttering.
    - Panel shall provide three distinct progressive layers for dust entrapment. Final stage shall be tightly needled and shall contain a non-migratory, non-drying adhesive throughout the entire final layer.
    - Panel shall contain an anti-microbial that -effectively controls the growth of mold, algae, mildew, and fungi on the media. Anti-microbial agent shall not off gas, migrate, or leach into the air stream.
    - Filter shall be Underwriters Laboratory (UL) listed as Class II
    - Panel shall provide a minimum ASHRAE efficiency of 25 %.
- Primary Filter:
   Airflow Products: extended surface self supported mini-pleat box filter: AMFP95-24244, 95% efficiency or, approved equal.
  - o Nominal Size: 24" x 24" x 4"
  - Construction:
    - Frame construction shall be composed of injection molded polypropylene
    - Filter pack shall consist of non-shredding, gradient density, polypropylene media.

#### West Virginia Division of Culture and History Request for Quotation-DCH09069 **HVAC Air Filtering Media**

- Media shall cover a minimum of 120 Square Feet Media shall be bonded to the frame using polypropylene adhesive.

  Filter shall be rated for at least 2,000 CFM.

  Filter shall provide a minimum ASHRAE efficiency of 95%.

- Filter shall be Underwriters Laboratories rated Class II per UL 900 standard.
- Filter shall be suitable for Variable Air Volume (VAV) Systems. Filter shall be able to withstand turbulent airflow conditions.

#### West Virginia Division of Culture and History Request for Quotation-DCH09069 HVAC Air Filtering Media

#### **BID COST SHEET:**

PRODUCT	ESTIMATED QUANTITY	UNIT COST	COST
PRE-FILTER PANEL	448	\$ 5.31	\$2,378.88
PRIMARY MINI PLEAT BOX FILTER	448	\$ 59.52	\$26,664.96
TOTAL			\$29,04384

VENDOR: Applied Industrial Technologias

SIGNATURE: Westelf White DATE: 2/12/2009

RFQ No.	

#### STATE OF WEST VIRGINIA **Purchasing Division**

# **PURCHASING AFFIDAVIT**

### **VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

# PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. The vendor must make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

#### **ANTITRUST:**

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

#### LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

#### CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/ noticeConfidentiality.pdf.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name:	Analiad Tox	Justino/	Technologie	5	
	11/0/01/15/15		Date.	>/12/0	Q
Authorized Signature				-1-	
Purchasing Affidavit (Revi	ised 01/01/09)		<del></del> _	, ,	

Rev. 09/08

# State of West Virginia

# **VENDOR PREFERENCE CERTIFICATE**

Certification and application\* is hereby made for Preference in accordance with **West Virginia Code**, §5A-3-37. (Does not apply to construction contracts). **West Virginia Code**, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

Division will make the determination of the Resident Vendor Preference, if applicable.	
Application is made for 2.5% resident vendor preference for the reason checked:  Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately pring the date of this certification; or,  Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal properties to business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor with maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately be date of this certification; or,  Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state reand which has maintained its headquarters or principal place of business within West Virginia continuously for the syears immediately preceding the date of this certification; or,	olace of 6 of the 7ho has ediately sidents
Application is made for 2.5% resident vendor preference for the reason checked:  Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employering on the project being bid are residents of West Virginia who have resided in the state continuously for the two immediately preceding submission of this bid; or,	oloyees o years
Application is made for 2.5% resident vendor preference for the reason checked:  Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employement of one hundred state residents who certifies that, during the life of the contract, on average at least 75% employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the continuously for the two years immediately preceding submission of this bid; or,	oying a % of the
4. Application is made for 5% resident vendor preference for the reason checked:  Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,	
Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:  Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the Nationa and has resided in West Virginia continuously for the four years immediately preceding the date on which the submitted; or,	l Guard e bid is
Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:  Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guar purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employersidents of West Virginia who have resided in the state continuously for the two immediately preceding years.	pia ana
Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to rr requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting or deducted from any unpaid balance on the contract or purchase order.	penaity agency
By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Divis authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder h the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other info deemed by the Tax Commissioner to be confidential.	nas paid rmation
Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this cer changes during the term of the contract, Bidder will notify the Purchasing Division in witting immediately.	is true tificate
Bidder: Apylicol Two Vis Pers Technologie , Signed: Wanslell Wh	
Date: 2/12/2009 Title: (5enneq////ong 100	
*Check any combination of preference consideration(s) Indicated above, which you are entitled to receive.	

Jan 2009



# State of West Virginia DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT West Virginia Code §21-1D-5

STATE OF WEST VIRGINIA,
country of Kanawha, to-wit:
I, Rand/ Hall after being first duly sworn, depose and state as follows:
1. I am an employee of Applied Industrial Technologies; and, (Company Name)
2. I do hereby attest that Applied Industrial Technologies (Company Name)
maintains a valid written drug free workplace policy and that such policy is in compliance with <b>West Virginia Code</b> §21-1D-5.
The above statements are sworn to under the penalty of perjury.
Applied Industrial Technologies
By: Range Hame)
Title: Account Manager
Date: 2/12/09
Taken, subscribed and sworn to before me this 12 day of Feburary
By Commission expires <u>August 19</u> 2018
(Seal) State of West Virginia Notary Public Jackle L. Washington Rt. 3 Box 76-D Hurrican, WV 25528 (Notary Public)
THIS AFFIDAVIT MUST BE SUBMITTED WITH THE BID IN ORDER TO
COMPLY WITH WV CODE PROVISIONS. FAILURE TO INCLUDE THE
AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF

THE BID.



#### **General Product Information**

The Activator Series panels and links consist of layers of multi-denier polyester media sealed around a heavy duty 9 gauge internal wire frame with integral cross wire support members.

#### **Bio-Pure® Antimicrobial Treated Panel**

To inhibit microbial growth on the filters, 2-ply Bio-Pure panels are available treated with an EPA Registered antimicrobial agent. Activator panels offer wide flexibility in meeting the needs of a variety of filtration applications, including:

- General ventilation
- Prefilters
- Stand alone, single stage filtration
- Built up frame banks
- Side access systems
- Rooftop air handlers
- Air supply for paint spray booths
- Economical upgrade from fiber glass or synthetic framed disposable panel filters

Select from 2-ply or 3-ply models to provide the right combination of filter construction, performance and budget to meet your needs.

#### 2-Ply - MERV 6

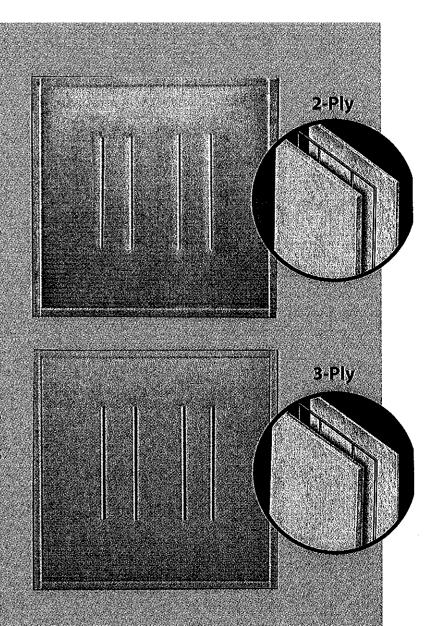
The 2-ply filter is a dual layer design with a multidenier, blended fiber pad on the air entering side followed by a denser, needled media on the air leaving side that forms a final barrier to capture dist particles. A dry tack adhesive applied on the air leaving side holds dist and prevents particles from breaking loose. No particle migration down stream.

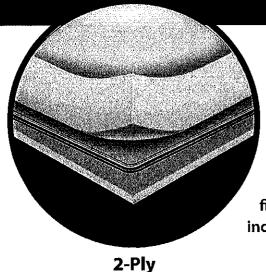
Recommended for normal distribuding applications

# 3-Ply - MERV 7

The upstream media is a stratified, dual layer pad made with two distinct layers of polyester fibers for greater depth loading. The down stream media pad is a denser, needled media that forms a final barrier to capture direparticles. A dry tack adhesive applied on the air leaving side holds dire and prevents particles from breaking loose. No particle migration down stream.

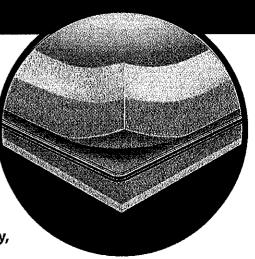
Recommended for heavier dirt loading conditions or where higher efficiency particulate removal is desired.







Layers of multi-denier polyester fibers capture dirt particles throughout the entire depth of the filter - prevents faceloading, increases dust holding capacity, and extends service life.



### 3-Ply

#### **Pressure Sensitive Tackifier**

The air leaving side of the panel is applied with a tackified adhesive to retain collected particles. The adhesive maintains its tacky nature over the life of the filter - does not dry out or blow off the media.

### Fast, Easy Installation

Just push the filter into the frame. No clips, no latches, no leakage.

### **Heavy Duty Internal Wire Frame**

The layers of media are heat sealed around a heavy duty, 9 gauge internal wire frame. Cross wire supports welded to the frame provide additional structural strength and hold the media in place to prevent billowing or fluttering in operation.

#### **Full Media Utilization**

Panel filters have no perimeter frame or supporting grids to obstruct air flow and block off media. The entire face of the filter is exposed to the air stream.

#### **Retains Collected Dirt Load**

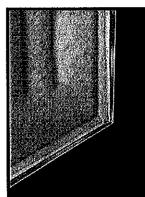
Layers of multi-denier fibers hold collected dirt particles throughout the depth of the media. Pressure sensitive tack on the air leaving side assures that the dirt load stays in the filter and does not blow down stream.

# **Media Does Not Support Microbial Growth**

The polyester media does not support microbial growth.

#### Self-Sealing, Leak-Free -

A unique characteristic of panel filters. The layers of media are larger than the internal wire support frame creating a built in gasket when the filters are installed. They are automatically sealed in the frame or side access track without the use of clips or latches. No dirty air bypass.



#### Tough, Durable Polyester Media

The inherent strength of polyester fibers combined with the internal frame construction make Activator panels unusually strong. They withstand rough handling and difficult operating conditions without damage or loss of performance.

#### **Moisture Resistant**

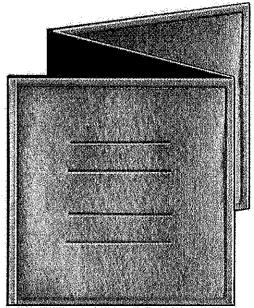
100% polyester fiber media is completely resistant to moisture. This makes panel filters ideally suited for rooftop installations or other locations where they can be exposed to moisture.

### **Compact Packaging**

Internal frame construction with no perimeter frame creates a low profile design that permits packaging in a compact, space saving carton. Save on shipping, handling and storage, plus easy transportation to the air handler.

Nominal Size	Actual Size of Internal Frame	Rated Air Flow Capacity ( CFM )		
( ln.)	(In.)	300 FPM	500 FPM	
(0×20	9½ x 19½	425	700	
12×24	11% x 23%	600	1000	
15 x 20	14½ x 19½	630	1050	
16 x 20	15½ x 19½	670	1120	
16 x 24	15% x 23%	800	1340	
16×25	15½ x 24½	840	1400	
18 x 24	17% x 23%	900	1500	
20×20	19½ x 19½	840	1400	
20×24	19% x 23%	1,01010	1670	
20 X 25	19½ x 24½	1050	1750	
24×24	23¾ x 23¾	1200	2000	
25×25	24½ x 24½	1310	2170	

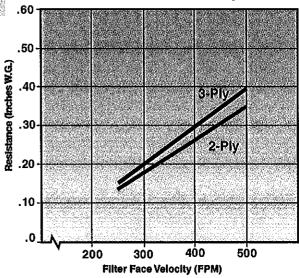
All 2-ply and 3-ply models are available as link panel filters



- 1. All performance data is based on the ASHRAE 52,2 Test Standard
- Width and height dimensions are interchangeable. Activator panels
  can be installed with the cross wires in the vertical or horizontal position.
   Continuous Operating Temperature Limit: 220°F (104°C)
   Underwriters Laboratories Classification: Activator panels are
  classified U.L. Class 2 per U.L. Standard 900. Class 1 panels are available.

	2-Ply	3-Ply
MERV Rating	. 6	7
Initial Resistance		
@300 FPM	.17"	.20"
@500 FPM	.35"	.39"
Recommended		i anna
Final Resistance	I.O. M.G	1.0" W.G.

# Initial Resistance vs. Filter Face Velocity





ATI - Air Technology Industries

### www.clcair.com















604 E Street South Charleston, WV 25303 Phone: (304) 746-2012 Fax: (304) 746-2018

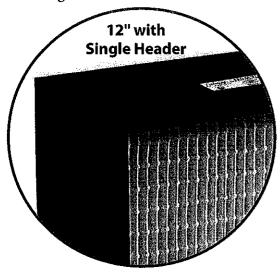


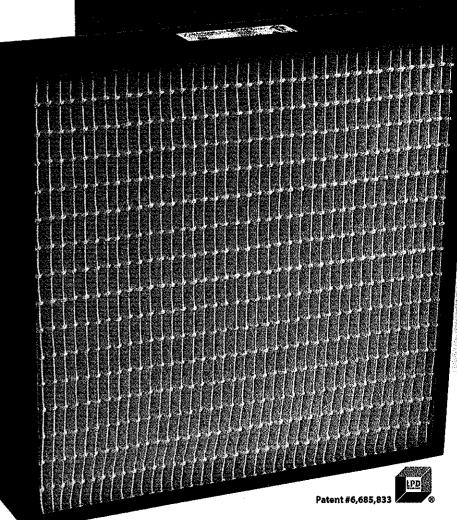
AIRGUARD, a CLARCOR Company, is very excited to announce the release of a "NEW" filter called **LEGACY™** 4" and 12" High Efficiency Rigid Cell Extended Surface Filter.

\* 4" offered in MERV 11 & 14 and 12" offered in MERV 11 & 15

The new AIRGUARD LEGACY™ high efficiency filter is a perfect sustainable component for your next LEED/Green Building initiative. The LEGACY™ is a MERV 15 (Standard 52.2 Minimum Efficiency Reporting Value) product with extremely low initial resistance characteristics. MERV 15 is hospital compliant for full patient care. The LEGACY™ will help you increase your overall filter efficiency, to exceed LEED requirements of MERV 13, while maintaining or lowering your energy costs.

For more information regarding the new **LEGACY**<sup>™</sup> from AIRGUARD, please contact your nearest **AIRGUARD Stocking Distributor**, local AIRGUARD Territory Manager or a Customer Service Associate at 1-866-247-4827. You can also click the **Distributor Locator Button** at www.airguard.com





# Unique Channel Flow Molded Media:

- 4" is MERV 11 & 14 and 12" is MERV 11 & 15
- Very Low Resistance
- High Dust Holding Capacity
- All Plastic Construction
- Light Weight
- Class 1 per U.L. Standard 900

# LEED/Green Building

- Sustainable Component for a
   LEED/Green Building Initiative
  (Leadership in Engineering and Environment Design)
- Exceeds LEED/Green requirement of MERV 13
- Lower Energy Cost

Charme II love Making states



#### 4" Deep Filters - MERV 11 & 14

For use where space is limited. 4" deep **LEGACY** filters operate at 500 FPM at substantially lower resistance than competitive 4" - 6" deep filters.

# 12" Deep Filters - MERV 11 & 15 Single Header Construction

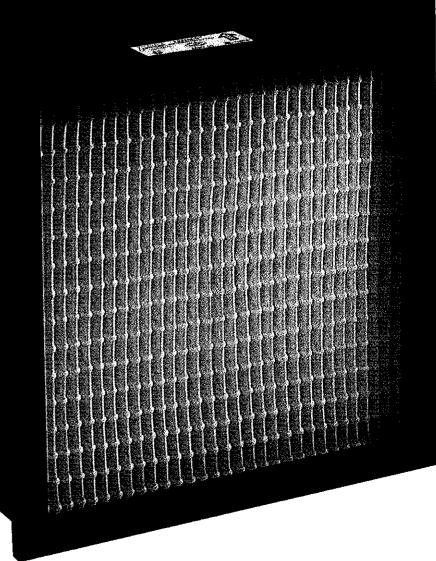
**LEGACY** filters replace traditional 12" deep rigid cell filters operating at 500 - 625 FPM with substantially lower resistance.

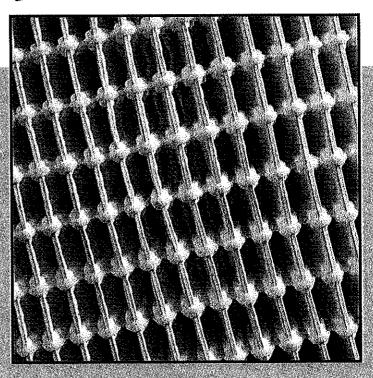


### Unique Channel-Flow Molded Media Produces Lowest Resistance

LEGACY media is molded into a series of preformed channels that direct the air smoothly through the filter. This unique process results in the lowest resistance of any high efficiency filter on the market. Low resistance maximizes energy savings.

LEGACY Close up view shows how beads of adhesive applied to the media hold the channels open to permit free flow of air for low resistance and complete use of the media:





### Reverse Flow Installation For Front Load Applications (12" Deep Filters)

For front load installations, or where there is no down stream access, 12" deep **LEGACY** filters are available in a reverse flow model.

#### Glue Bead Adhesive Strips Stabilize Pleat Pack

Beads of adhesive applied to the media bond the pleats into a totally rigid, solid pack. The pleats hold their shape and the molded channels are held open for free flow of air in all types of operating conditions. No pleat deformation, no blocking off.



Spring latches are

used to secure the

12" Reverse Flow

LEGACY filter to the holding frame.

2" & 4" Pre-filter clips hold the prefilter to the Reverse Flow LEGACY filter.

# Rigid Cell Design Handles Difficult Operating Conditions

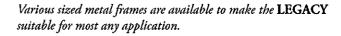
Rigid cell design, all plastic components and Dura-Tuff 100% synthetic media make Legacy filters ideal for the most demanding operating conditions, including variable air volume systems, high air flow, turbulence, repeated fan shut down, high moisture, and some chemical or corrosive conditions. These filters are designed for tough installations.

### Full Media Exposure Produces High Dust Holding Capacity

The Channel-Flow molded media design not only produces low resistance, it also allows the media to be completely exposed to dirt laden air. Dirt loads evenly over every square foot of filter surface area for maximum dust holding capacity and long service life.

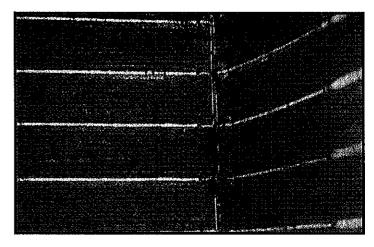
# All Plastic Construction – Completely Incinerable, Light Weight

The cell sides are made of high strength, high impact polystyrene plastic. They are moisture, chemical and corrosion resistant. Legacy filters contain no metal components — no rust, no corrosion. The elmination of metal also makes these filters completely incinerable and light weight.



#### Dura-Tuff™ 100% Synthetic Media

LEGACY filters are made with Dura-Tuff synthetic media. It is extremely durable, resists tearing, abrasion and is highly damage resistant. No more media damage during shipping, handling or installation. Dura-Tuff media is also unaffected by exposure to moisture and some chemicals. This media is just plain tough.



See how the preformed channels allow dirt to be collected all the way to the back of the pleats. Every square foot of media is fully utilized for maximum dust capacity.

perfet etgal	dria, Missa Art I medically Parkary	es Mai Alg Demos S Talikas	#4155 94 - Turati 24 % #4.55 45 %#4.	Plantical Plantical Plantical Plantical Plantical Validation	A British A Marchael Mar	Salada area salad Salada Resadenta e Salada Salada
12" Packs - Single Header						
LG-604 LG-615 LG-613 LG-603 LG-904 LG-915 LG-913 LG-903	24x24x12 20x24x12 20x20x12 12x24x12 24x24x12 20x24x12 20x20x12 12x24x12	23% x 23% x 11% 19% x 23% x 11% 19% x 19% x 11% 11% x 23% x 11% 23% x 23% x 11% 19% x 23% x 11% 19% x 19% x 11% 11% x 23% x 11%	2000 1650 1400 1000 2000 1650 1400 1000	 .34" .34" .34" .34"	,26" ,26" ,26" ,26" - -	1.5" 1.5" 1.5" 1.5" 1.5" 1.5" 1.5"
4" Packs						
LG4-604 LG4-612 LG4-615 LG4-613 LG4-610 LG4-609 LG4-603 LG4-904 LG4-912 LG4-913 LG4-913 LG4-910 LG4-909 LG4-903	24x24x4 20x25x4* 20x24x4 20x20x4 16x25x4* 16x20x4 12x24x4 24x24x4 20x25x4* 20x25x4* 20x20x4 16x25x4* 16x20x4 16x20x4	23% x 23% x 3% 19% x 24% x 3% 19% x 23% x 3% 19% x 19% x 3% 15% x 24% x 3% 15% x 19% x 3% 11% x 23% x 3% 19% x 23% x 3% 19% x 24% x 3% 19% x 23% x 3% 19% x 24% x 3% 15% x 19% x 3% 15% x 24% x 3% 15% x 24% x 3%	2000 1750 1650 1400 1400 1100 1100 2000 1750 1650 1400 1400 1100	43" 43" 43" 43" 43" 43" 43" 43" 43"	23" 23" 23" 23" 23" 23" 23" 23"	1,51 1,51 1,51 1,51 1,51 1,51 1,51 1,51

#### IMPORTANT NOTES:

- 1. All performance data is based on the ASHRAE 52.2 Test Standard
- 2. Width and height dimensions are interchangeable. LEGACY filters can be installed with the pleats vertical or horizontal
- 3. Continuous Operating Temperature: 140°F (60°C).

#### **Underwriters Laboratories** Inc. Classification:

**LEGACY** filters are classified Class 1 per U.L. Standard 900.

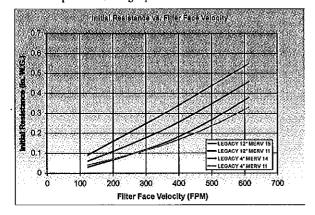
**Energy Savings Calculator** available online at www.airguard.com

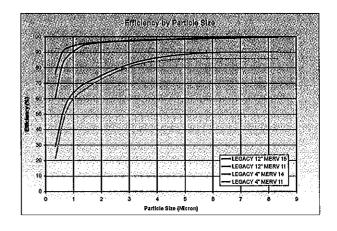


Exceeds LEED/Green requirement of MERV 13.

(Leadership in Engineering and Environment Design) www.usgbc.org

<sup>\*</sup> Reverse size pleat on 25" height product.







# www.airguard.com







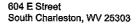








Customer Service Team: 1-866-247-4827 • Fax: 1-800-784-3458 Email: mailbag@airguard.com • www.airguard.com



Phone: (304) 746-2012 Fax: (304) 746-2018