



AIRSAN
CLEAN AIR FOR BETTER LIVING

AIRSAN

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Airsan is a leading manufacturer of
INDUSTRIAL FILTRATION PRODUCTS

HEADQUARTERED IN THE UNITED STATES, AIRSAN IS A WORLDWIDE SUPPLIER TO MINING COMPANIES, PETROCHEMICAL REFINERIES, POWER GENERATION PLANTS, COMMERCIAL TRANSPORTATION SYSTEMS, PROCESS ENGINEERING COMPANIES, CLEAN ENERGY PRODUCERS, HEAVY EQUIPMENT OEM'S, FOOD PROCESSING FACILITIES, AND DIVISIONS OF DEFENSE AND AEROSPACE FOR BOTH MILITARY AND PRIVATE SECTORS.

AIRSAN HAS BEEN IN BUSINESS SINCE 1941. WE REMAIN COMPETITIVE AND DYNAMIC BY:

- ADAPTING TO MEGA TRENDS THAT IMPACT THE EFFICENCY AND COST-EFFECTIVENESS OF OUR CUSTOMERS' PRODUCTS AND APPLICATIONS
- RECOGNIZING PATTERNS AND THE CHALLENGES OF GLOBALIZATION
- OUR STRONG COMMITMENT TO DELIVER HIGH QUALITY PRODUCTS THAT ARE ENGINEERED AND MADE IN THE U.S.A.

AIRSAN STAYS ON THE LEADING EDGE BY ADVANCING AND INTEGRATING TECHNOLOGY IN FILTRATION SOLUTIONS FOR SAFER AND BETTER ENVIRONMENTAL PERFORMANCE.

WE WELCOME CHANGE AS AN OPPORTUNITY TO OFFER INTELLIGENT AND EFFICIENT SOLUTIONS FOR THE SUCCESS OF OUR CUSTOMERS.

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AIRSAN

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1

PERMANENT METAL FILTERS

TYPE W
TYPE AF
TYPE V

AIRSAN

TYPE W

**PERMANENT • ALL METAL • VISCOUS IMPINGEMENT FILTERS
FOR HEATING, COOLING, VENTILATION AND DEMISTING**

AIRSAN TYPE W FILTERS ARE MANUFACTURED TO DELIVER CONSISTENT, DURABLE PERFORMANCE IN TURBINE GENERATORS, POWER PLANTS, WIND TURBINES AND OFF SHORE OIL RIGS, AS WELL AS MILITARY SUBMARINES AND SURFACE VESSELS.

TYPE W FILTERS ARE VISCOUS-IMPINGEMENT FILTERS, ENGINEERED TO MANAGE HIGH AIRFLOW VELOCITIES IN AIR HANDLING EQUIPMENT USED IN HEATING, COOLING AND VENTILATION SYSTEMS. TYPE W FILTERS ARE ALSO IDEAL FOR DEMISTING APPLICATIONS AND CAN BE APPLIED EITHER AT THE AIR INTAKE OR IN THE AIR STREAM AFTER-COILS.

TYPE W FILTERS ARE AVAILABLE IN EITHER A 2", 4" OR CUSTOMIZED NOMINAL THICKNESS AND FABRICATED WITH GALVANIZED STEEL FRAME AND MEDIA. WE CAN ALSO OFFER YOU A CHOICE OF MATERIALS FOR SPECIALIZED APPLICATIONS THAT INCLUDES BRONZE, STAINLESS STEEL OR ALUMINUM.



VIRO-CRIMPED MEDIA

OUR PATENTED VIRO-CRIMPED MEDIA IS CONSTRUCTED OF HORIZONTAL WIRE SCREEN CLOTH TO PROVIDE A LARGE FILTERING AREA WHILE ELIMINATING DIRECT AIR PASSAGES THROUGH THE FILTER MEDIA. MEDIA EDGES ARE HEMMED FOR WORKER SAFETY, AND REINFORCING RODS ARE CENTERED THROUGH THE FILTER TO PREVENT MEDIA SHIFTING FOR CONSISTENT STRUCTURAL INTEGRITY.



PERFORMANCE DATA

CFM/ SQ. IN	NET FACE VELOCITY IN FPM	RESISTANCE CLEAN INCH W.G.	FILTER CAPACITY - CFM					
			10X20	16X20	16X25	20X20	20X25	24X24
1.85	267	.031	300	470	598	600	766	894
2.47	350	.060	400	625	795	800	1020	1195
3.07	444	.085	500	777	994	1000	1274	1505
3.70	533	.130	600	933	1195	1200	1530	1786
4.04	577	.140	650	1012	1291	1300	1656	1950
4.62	633	.180	750	1108	1417	1500	1816	2235

DIMENSIONS AND WEIGHTS

STOCK NO.	CATALOG DESCRIPTION ⁽¹⁾	NOMINAL SIZE ⁽²⁾	WEIGHT (LBS.)	ACTUAL SIZE
902493	WGG2-1224	12X24X2	7	11½ X 23½ X 1¾
900912	WGG2-1620	16X20X2	8	15½ X 19½ X 1¾
900913	WGG2-1625	16X25X2	9	15½ X 24½ X 1¾
900852	WGG2-2020	20X20X2	9	19½ X 19½ X 1¾
900914	WGG2-2025	20X25X2	11	19½ X 24½ X 1¾
900915	WGG2-2424	24X24X2	12	23¾ X 23¾ X 1¾

(1) 4 Inch Depth elements are ordered by prefix WGG4- (2) Use WGG2-50 and state actual dimension when special sizes are required
(3) To order aluminum, use the prefix "WAA2". To order stainless steel, use the prefix "WSS2"



AIRSAN

TYPE AF

FOR HEATING, COOLING AND VENTILATION

AIRSAN TYPE AF FILTERS ARE AN EFFICIENT YET ECONOMICAL CHOICE FOR A WIDE RANGE OF INDUSTRIAL AND COMMERCIAL MEDIUM-DUTY APPLICATIONS IN PETROCHEMICAL INDUSTRIES, REFINERIES, THE PAPER PACKAGING INDUSTRY, AND AS A PERMANENT FILTER OPTION FOR ROOFTOP HVAC SYSTEMS.

TYPE AF FILTERS FEATURE LOW INITIAL RESISTANCE, HIGH DUST-HOLDING CAPACITY AND A LOW RATE OF INCREASE IN STATIC PRESSURE TO PROVIDE PEAK FILTRATION PERFORMANCE. AIRSAN TYPE AF FILTERS ARE BUILT TO LAST WITH MULTIPLE LAYERS OF SPECIALLY ARRANGED CRIMPED ELECTRO-GALVANIZED EXPANDED METAL AND ASSEMBLED IN DURABLE 18-GAUGE GALVANIZED STEEL FRAMES. IN ADDITION TO STANDARD 1" AND 2" NOMINAL WIDTHS, AIRSAN CAN CUSTOM CREATE SPECIALIZED SIZES IN ALUMINUM, BRONZE OR STAINLESS STEEL TO MEET UNIQUE SPECIFICATIONS.



TECHNICAL DATA

INITIAL RESISTANCE

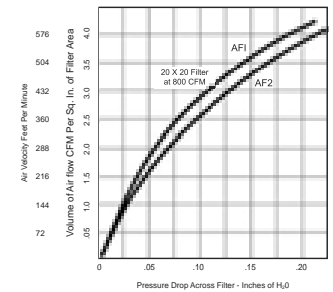
Type AF1 .060" w.g. at 288 fpm
 Type AF2 .065" w.g. at 288 fpm

PERFORMANCE PER ASHRAE 52-76

76% Arrestance

SERVICING

Wash in hot water and detergent and rinse. Allow filter to dry then apply AIRSAN Film-Cor Adhesive by spraying. Allow filter to drain off excessive adhesive.



DIMENSIONS STANDARD SIZE TYPE AF FILTERS

1" GALVANIZED TYPE AF AIR FILTER

STOCK NO.	CATALOG DESCRIPTION (1)	NOMINAL SIZE (2)	ACTUAL SIZE
902503	AFGG1-1224	12X24X1	11½ X 23¾ X ¾
901008	AFGG1-1620	16X20X1	15½ X 19½ X ¾
901009	AFGG1-1625	16X25X1	15½ X 24½ X ¾
901010	AFGG1-2020	20X20X1	19½ X 19½ X ¾
901011	AFGG1-2025	20X25X1	19½ X 24½ X ¾
901012	AFGG1-2424	24X24X1	23¾ X 23¾ X ¾

2" GALVANIZED TYPE AF AIR FILTER

STOCK NO.	CATALOG DESCRIPTION (1)	NOMINAL SIZE (2)	ACTUAL SIZE
902504	AFGG2-1224	12X24X2	11½ X 23¾ X 1¾
901038	AFGG2-1620	16X20X2	15½ X 19½ X 1¾
901039	AFGG2-1625	16X25X2	15½ X 24½ X 1¾
901040	AFGG2-2020	20X20X2	19½ X 19½ X 1¾
901041	AFGG2-2025	20X25X2	19½ X 24½ X 1¾
901042	AFGG2-2424	24X24X2	23¾ X 23¾ X 1¾

(1) To order aluminum, use the prefix "AFAA". To order stainless steel, use the prefix "AFSS". To order bronze, use the prefix "AFBB"
 (2) Use AFGG2-50 and state actual dimension when special sizes are required



AIRSAN

TYPE V

FOR HEATING, COOLING AND VENTILATION

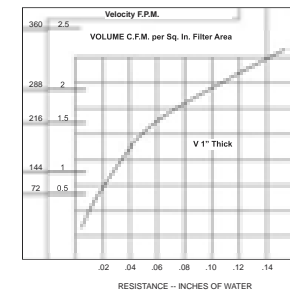
AIRSAN TYPE V FILTERS HAVE BEEN SPECIALLY DESIGNED FOR EQUIPMENT ESSENTIAL TO OPERATE ELECTRICAL CONTROL SYSTEMS, VENTILATION AND SHIPBOARD LIGHTING SYSTEMS.

PRECISION CONSTRUCTION PREVENTS THE MEDIA FROM SETTLING OR CHANGING DENSITY, WHILE EFFICIENCY REMAINS UNAFFECTED BY DRAMATIC CHANGES IN TEMPERATURE OR CLIMATE. THE ALL METAL CONSTRUCTION WITHSTANDS VIBRATION AND SHOCK, AND RF SHIELDING IS AVAILABLE FOR SPECIAL APPLICATIONS.

TECHNICAL DATA

INITIAL RESISTANCE

The initial resistance to air flow ranges from .025 H20 at 144 FPM to .09 288 FPM. Based on 83% AC fine test dust weight arrestance.



- TYPE DD
- TYPE KK
- TYPE PP



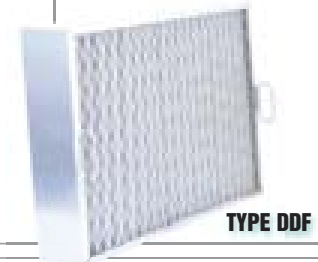
AIRSAN

TYPE DD

PERMANENT • DRY TYPE • NON-WOVEN MEDIA
FOR ENGINES, COMPRESSORS AND INDUSTRIAL VENTILATION

AIRSAN TYPE DD FILTERS ARE HEAVY-DUTY, EASILY CLEANABLE FILTERS DESIGNED FOR ENGINES, COMPRESSORS AND A VARIETY OF OTHER INDUSTRIAL APPLICATIONS THAT DO NOT INVOLVE CORROSIVE ENVIRONMENTS. THE TYPE DD IS A SLIGHTLY HIGHER FILTRATION, COST EFFECTIVE ALTERNATIVE TO OUR TYPE W FOR MANY SIMILAR APPLICATIONS THAT DON'T REQUIRE ALL-METAL CONSTRUCTION. MADE WITH A GALVANIZED STEEL FRAME AND LONG-LASTING POLYESTER MEDIA, PLUS EXPANDED METAL FACE PIECES – FRONT AND BACK – TO PREVENT MEDIA SHIFTING. TYPE DD FILTERS WILL PROVIDE YEARS OF RELIABLE PERFORMANCE WITH LOW-COST ROUTINE SERVICING.

FOR HIGHER FILTRATION REQUIREMENTS, AIRSAN OFFERS TYPE DDF FILTERS WITH A WASHABLE, NONWOVEN FELT MEDIA. BOTH TYPE DD AND DDF FILTERS ARE AVAILABLE IN STANDARD AND CUSTOM RECTANGULAR SIZES, AND AVAILABLE IN GALVANIZED STEEL, ALUMINUM OR STAINLESS STEEL.



TYPE DDF

PERFORMANCE DATA⁽¹⁾

CFM/ SQ. IN	NET FACE VELOCITY IN FPM	RESISTANCE CLEAN INCH W.G.	FILTER CAPACITY - CFM					
			10X20	16X20	16X25	20X20	20X25	24X24
0.70	100	0.15	101	175	218	227	290	338
1.38	200	0.28	199	350	430	447	570	668
2.08	300	0.45	300	525	650	674	860	1007
2.78	400	0.65	401	700	867	900	1150	1346
3.47	500	0.84	510	875	1083	1124	1437	1680

⁽¹⁾ 88% AC Fine test dust weight arrestance

DIMENSIONS AND WEIGHTS

STOCK NO.	CATALOG DESCRIPTION ⁽¹⁾	NOMINAL SIZE ⁽²⁾	WEIGHT (LBS.)	ACTUAL SIZE
902530	DDGG2-1224	12X24X2	6	11½ X 23¾ X 1¾
901442	DDGG2-1620	16X20X2	7	15½ X 19½ X 1¾
901444	DDGG2-1625	16X25X2	9	15½ X 24½ X 1¾
901445	DDGG2-2020	20X20X2	9	19½ X 19½ X 1¾
901446	DDGG2-2025	20X25X2	13	19½ X 24½ X 1¾
901447	DDGG2-2424	24X24X2	15	23½ X 23½ X 1¾

⁽¹⁾ 4 Inch Depth elements are ordered by prefix DDGG4-

⁽²⁾ Use DDGG2-50 and state actual dimension when special sizes are required



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TYPE KK

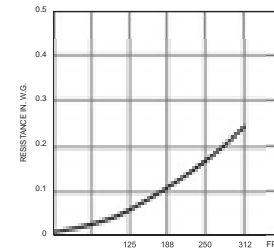
FOR ELECTRONIC CABINET VENTILATION AND AIR MOVING SYSTEMS

AIRSAN TYPE KK FILTERS ARE WASHABLE AIR FILTERS USED FOR FURNACE FILTRATION AND INDUSTRIAL CABINETRY, MILITARY-SPEC COMPUTER HOUSINGS, ELECTRICAL SYSTEMS AND INVERTER VENTILATION. TYPE KK FILTERS ARE USED WITH NO ADHESIVES, PROVIDING LOW INITIAL RESISTANCE AND LARGE DUST-HOLDING CAPACITY FOR GREATER OVERALL EFFICIENCY.

KK FILTERS ARE DESIGNED WITH POLYESTER MEDIA BETWEEN TWO PIECES OF SCREEN CLOTH, METAL FRAME, AND EXPANDED METAL ON BOTH FACES FOR ADDED PROTECTION.

TYPE KK FILTERS ARE EASILY INTERCHANGEABLE WITH ANY DISPOSABLE FILTER, AND CAN BE INSTALLED AND SERVICED IN LESS TIME THAN ORDERING, RECEIVING, STOCKING AND REPLACING THE OLD FILTER.

INITIAL RESISTANCE/ PERFORMANCE⁽¹⁾



(1) Average Weight Amassance is 90% ASHARE 52-76

DIMENSIONS - STANDARD SIZE TYPE KK FILTERS

2" GALVANIZED TYPE AF AIR FILTER

STOCK NO.	CATALOG DESCRIPTION ⁽¹⁾	NOMINAL SIZE ⁽²⁾	ACTUAL SIZE
902517	KKGG1-1224	12X24X1	11½ X 23¾ X 7⁄8
901037	KKGG1-1620	16X20X1	15½ X 19½ X 7⁄8
901308	KKGG1-1625	16X25X1	15½ X 24½ X 7⁄8
901309	KKGG1-2020	20X20X1	19½ X 19½ X 7⁄8
901310	KKGG1-2025	20X25X1	19½ X 24½ X 7⁄8
901311	KKGG1-2424	24X24X1	23¾ X 23¾ X 1

2" GALVANIZED TYPE KK AIR FILTER

STOCK NO.	CATALOG DESCRIPTION ⁽¹⁾	NOMINAL SIZE ⁽²⁾	ACTUAL SIZE
903628	KKGG2-1224	12X24X2	11½ X 23¾ X 1¾
901032	KKGG2-1620	16X20X2	15½ X 19½ X 1¾
901303	KKGG2-1625	16X25X2	15½ X 24½ X 1¾
901304	KKGG2-2020	20X20X2	19½ X 19½ X 1¾
901305	KKGG2-2025	20X25X2	19½ X 24½ X 1¾
901306	KKGG2-2424	24X24X2	23¾ X 23¾ X 1¾

(1) To order aluminum, use prefix "KAAA". To order stainless steel, use prefix "KKSS". To order bronze, use prefix "KKBB"

(2) Use KKGG2-50 and state actual dimension when special sizes are required



AIRSAN

TYPE PP

FOR HIGH FILTRATION, MEDIUM VELOCITY AND AN EMPHASIS ON DURABILITY

AIRSAN TYPE PP FILTERS ARE MEDIUM DUTY FILTERS DESIGNED FOR ENGINES, COMPRESSORS AND A VARIETY OF OTHER INDUSTRIAL APPLICATIONS WITH HIGHER PARTICULATE FILTRATION NEEDS, SUCH AS LOCOMOTIVES AND MARITIME VESSELS.

BUILT TO LAST WITH DURABLE 18-GAUGE FRAMES AND HEAVY DUTY PAPER MEDIA, TYPE PP FILTERS ARE AVAILABLE IN A WIDE VARIETY OF STANDARD SIZES. AIRSAN CAN ALSO CUSTOM DESIGN FILTERS TO MEET YOUR OWN UNIQUE SPECIFICATIONS AND REQUIREMENTS.

DIMENSIONS AND WEIGHTS

STOCK NO.	CATALOG DESCRIPTION ⁽¹⁾	NOMINAL SIZE ⁽²⁾	WEIGHT (LBS.)	ACTUAL SIZE
905050	PPGG2-1224	12X24X2	6	11½ X 23¾ X 1¾
905049	PPGG2-1620	16X20X2	7	15½ X 19½ X 1¾
905048	PPGG2-1625	16X25X2	9	15½ X 24½ X 1¾
905047	PPGG2-2020	20X20X2	9	19½ X 19½ X 1¾
905046	PPGG2-2025	20X25X2	13	19½ X 24½ X 1¾
905045	PPGG2-2424	24X24X21	5	23½ X 23½ X 1¾

⁽¹⁾ 4 Inch Depth elements are ordered by prefix PPGG4-

⁽²⁾ Use PPGG2-50 and state actual dimension when special sizes are required

TYPE AG
TYPE GF

3 MESH GREASE AIR FILTERS

AIRSAN

TYPE AG

MULTI-PURPOSE AIR & GREASE FILTER
FOR DEMISTING, SPARK ARRESTANCE AND GREASE SEPARATION

AIRSAN TYPE AG FILTERS HAVE PROVEN TO BE ONE OF THE MOST DURABLE, EFFICIENT FILTERS FOR USE IN FOOD PROCESSING PLANTS, WASTE TREATMENT FACILITIES AND DOZENS OF OTHER HEAVY DUTY APPLICATIONS. THE EXTRA HEAVY EXPANDED METAL MEDIA ON THE AIR-INTAKE FACE ABSORBS HEAT TO RESIST "BURNOUTS" AND PREVENT GREASE FROM ENTERING EXHAUST DUCTS. OUR RUGGED 10-PIECE MEDIA CONSTRUCTION CREATES AN AIR FLOW PATTERN THAT ALLOWS FOR EFFICIENT AIR PASSAGE WHILE MAINTAINING AN EXTENSIVE NETWORK OF GREASE TRAPPING SURFACES.

TYPE AG FILTERS ARE ALSO DURABLE ENOUGH FOR USE IN HIGH VELOCITY APPLICATIONS THAT COMPLEMENT OUR HEAVY DUTY TYPE W FILTERS, BUT ARE BELOW A 2" NOMINAL THICKNESS--THE PERFECT SOLUTION FOR PETROCHEMICAL COMPANIES, ROOF MOUNTED EXHAUST BLOWERS AND OTHER HIGH FLOW FILTRATION SYSTEMS.



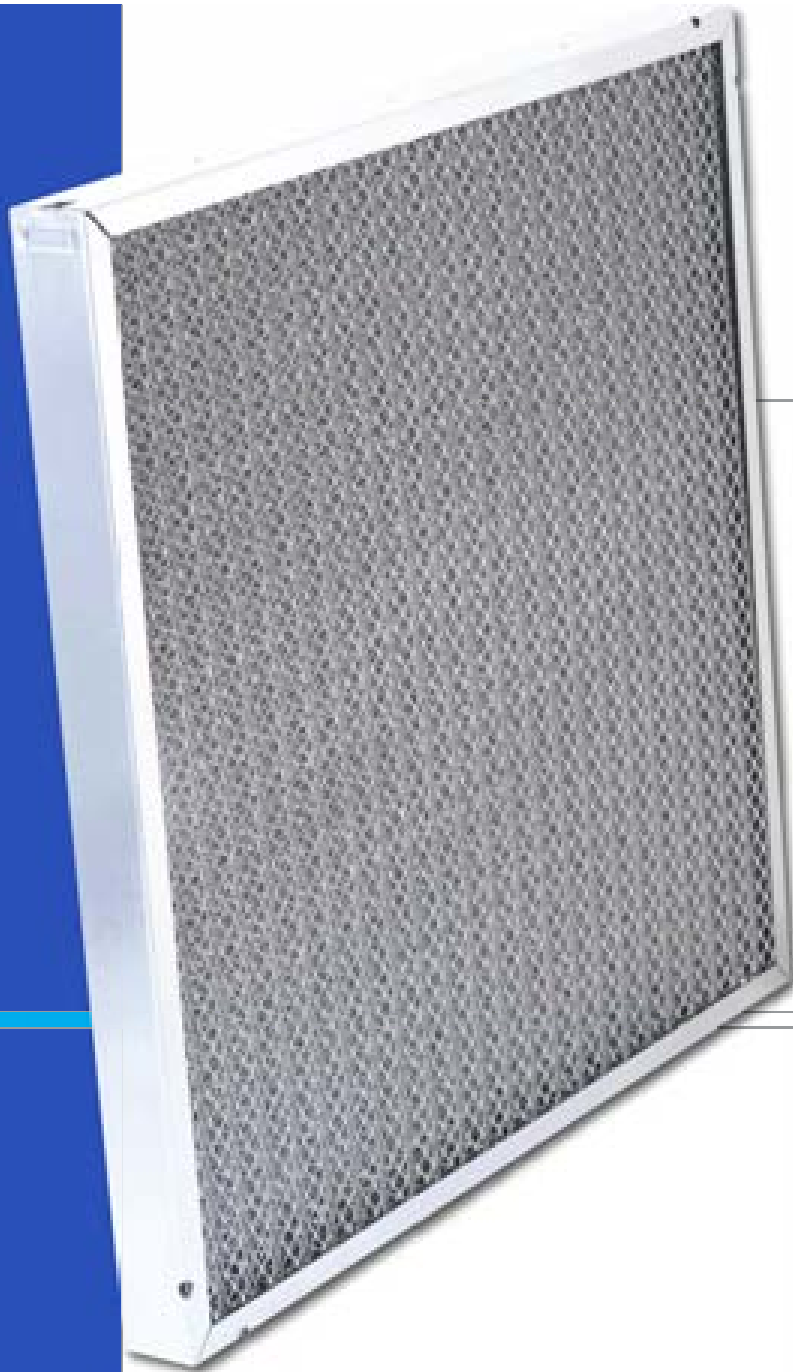
PERFORMANCE CHARACTERISTICS

NOMINAL SIZE		FILTER CAPACITY - CFM			
NET FACE FPM	RESISTANCE CLEAN INCHES WG	10X20X2	16X20X2	20X20X2	20X25X2
216	0.07	231	396	506	644
288	0.11	308	528	675	859
360	0.15	385	660	844	1074
432	0.20	462	792	1013	1288

AG FILTERS - STANDARD SIZES

2" GALVANIZED TYPE AF AIR FILTER

STOCK NO.	CATALOG DESCRIPTION (1)	ACTUAL SIZE	WT (LBS)
902180	AGGG2-1620	15½ X 19½ X 1"	8
902181	AGGG2-1625	15½ X 24½ X 1"	9.5
902182	AGGG2-2020	19½ X 19½ X 1"	9.5
902183	AGGG2-2025	19½ X 24½ X 1"	11
902184	AGGG2-2424	23¾ X 23¾ X 1"	12



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TYPE GF

FOR SPARK ARRESTANCE, AND GREASE SEPARATION

FOR LOWER VELOCITY OR MEDIUM DUTY APPLICATIONS OF GREASE AND FLAME CONTROL, **AIRSAN TYPE GF AIR & GREASE FILTERS** ARE THE IDEAL COST EFFECTIVE ALTERNATIVE TO THE HEAVY DUTY TYPE AG. UTILIZING THE SAME 18-GAUGE GALVANIZED STEEL FRAME, THE GF FILTER'S 5-PIECE MEDIA CREATES AN AIR FLOW PATTERN THAT ALLOWS EFFICIENT AIR PASSAGE WHILE CAPTURING AIRBORNE DIRT, GREASE AND LINT PARTICLES WHILE EXTENDING THE USEFUL LIFE OF COIL, BLOWERS, MOTORS AND OTHER MECHANICAL EQUIPMENT.

PERFORMANCE CHARACTERISTICS

NOMINAL SIZE		FILTER CAPACITY - CFM				GF FILTERS - STANDARD SIZES			
NET FACE FPM	RESTISTANCE CLEAN INCHES WG	10X20	16X20	20X20	20X25	STOCK NO.	CATALOG DESCRIPTION	ACTUAL SIZE	WT (LBS)
216	0.03	231	396	506	644	902180	GFGG2-1620	15½ X 19½ X 1¾	5
288	0.05	308	528	675	859	902181	GFGG2-1625	15½ X 24½ X 1¾	6
360	0.08	385	660	844	1074	902182	GFGG2-2020	19½ X 19½ X 1¾	6
432	0.11	462	792	1013	1288	902183	GFFG2-2025	19½ X 24½ X 1¾	6
						902184	GFFG2-2424	23¾ X 23¾ X 1¾	8

4

TYPE AH
TYPE DM

FILTER RETAINERS

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TYPE AH

**HEAVY GAUGE – FLAT OR V-BANK – FELT GASKETING
FOR SECURING FULL-FRAMED FILTERS**

AIRSAN TYPE AH FILTER RETAINERS ARE DESIGNED SPECIFICALLY FOR FLAT OR "V" BANK ARRANGEMENTS. THEY CAN BE EASILY BUILT UP TO ANY HEIGHT OR WIDTH BY THE PROGRESSIVE ADDITION OF RETAINERS. THE STANDARD AH RETAINER IS MADE OF DURABLE 18-GAUGE GALVANIZED STEEL, AND SPOT WELDED CORNER GUSSETS ENSURE STRENGTH TO MEET HEAVY-DUTY REQUIREMENTS. GASKETS AROUND THE INSIDE PERIMETER PREVENT THE BYPASS OF UNFILTERED AIR, WHILE TWO POSITIVE RETAINING CLIPS SECURE THE FILTER IN POSITION. STANDARD RETAINERS COME IN EITHER A 2" OR 4" NOMINAL THICKNESS, AND THE 2" CAN BE ADAPTED TO HOLD A 1" THICK FILTER IF A Z-1115 CLIP IS SPECIFIED.

ALL OF OUR RETAINERS ARE ALSO AVAILABLE IN STAINLESS STEEL OR ALUMINUM. AIRSAN TYPE AHS STAINLESS STEEL RETAINERS CONSTRUCTED OF RUGGED 20-GAUGE, TYPE 304 STAINLESS STEEL ARE AVAILABLE IN STANDARD 2" SIZES.



TYPE AH FILTER RETAINER

AH2 FOR RETAINING 1" OR 2" FILTERS

STOCK NO.	CATALOG DESCRIPTION (1)	ACTUAL SIZE	WT (LBS)
902812	AHG2-1224	12 X 24 X 1%	3.5
902813	AHG2-1620	16 X 20 X 1%	3.5
902814	AHG2-1625	16 X 25 X 1%	4.0
902815	AHG2-2020	20 X 20 X 1%	4.0
904916	AHG2-2025	20 X 25 X 1%	5.0
902816	AHG2-2424	24 X 24 X 1%	6.0

AH2 FOR RETAINING 1" OR 2" FILTERS

STOCK NO.	CATALOG DESCRIPTION (1)	ACTUAL SIZE	WT (LBS)
	AHG4-1224	12 X 24 X 3%	4.5
903172	AHG4-1620	16 X 20 X 3%	4.5
903171	AHG4-1625	16 X 25 X 3%	6.0
903170	AHG4-2020	20 X 20 X 3%	6.0
903169	AHG4-2025	20 X 25 X 3%	7.0
903168	AHG4-2424	24 X 24 X 3%	8.0

DIMENSION TOLERANCE -0 + 1/16



AIRSAN

TYPE DM

SOLID FRAMES FOR INTERCHANGABLE MEDIA

AIRSAN TYPE DM SERIES OF DISPOSABLE MEDIA FRAMES IS DESIGNED TO MEET THE NEED FOR A COST-EFFECTIVE FRAME WITHOUT SACRIFICING DURABILITY. THE FRAME ITSELF IS 18-GAUGE GALVANIZED STEEL WHILE THE DISCHARGE SIDE IS 18-GAUGE GALVANIZED EXPANDED METAL FOR LOW PRESSURE DROP. THE 11-GAUGE STEEL RETAINING RING IS HINGED FOR EASY ACCESS TO FILTER PADS. PRECISION FITMENT OF THE FACE PANELS ENSURE THERE ARE NO EXPOSED ENDS, AN OFTEN OVERLOOKED SAFETY FEATURE.

1" GALVANIZED TYPE DM MEDIA RETAINER

STOCK NO.	CATALOG DESCRIPTION	NOMINAL SIZE	ACTUAL SIZE
902826	DMGG1-1224	12X24X1	11½ X 23¾ X ¾
902627	DMGG1-1620	16X20X1	15½ X 19½ X ¾
902628	DMGG1-1625	16X25X1	15½ X 24½ X ¾
902629	DMGG1-2020	20X20X1	19½ X 19½ X ¾
902630	DMGG1-2025	20X25X1	19½ X 24½ X ¾
902631	DMGG1-2424	24X24X1	23¾ X 23¾ X ¾

2" GALVAIZED TYPE DM MEDIA RETAINER

STOCK NO.	CATALOG DESCRIPTION	NOMINAL SIZE	ACTUAL SIZE
902827	DMGG2-1224	12X24X2	11½ X 23¾ X 1¾
902639	DMGG2-1620	16X20X2	15½ X 19½ X 1¾
902640	DMGG2-1625	16X25X2	15½ X 24½ X 1¾
902641	DMGG2-2020	20X20X2	19½ X 19½ X 1¾
902642	DMGG2-2025	20X25X2	19½ X 24½ X 1¾
902643	DMGG2-2424	24X24X2	23¾ X 23¾ X 1¾

TYPE C

VISCOUS IMPINGEMENT – DEMISTING – HIGHLY ADAPTABLE
FOR HEATING, COOLING, VENTILATION AND DEMISTING

AIRSAN TYPE C FILTERS ARE DESIGNED FOR ENGINES, AIR COMPRESSORS, BLOWERS AND LARGE-SCALE INDUSTRIAL GENERATORS. THE OIL-WETTED, MULTI-CRIMP ELEMENTS ARE OPTIMIZED FOR MAXIMUM AIRFLOW AND TO MAINTAIN A MINIMAL PRESSURE DROP. TYPE C ELEMENTS ARE ALSO AVAILABLE WITHOUT OIL WETTING, OFFERING AN EFFECTIVE OPTION FOR OIL-MIST CONTROL OR MOISTURE ELIMINATION.



AIRSAN TYPE C REPLACEMENT FILTERS

CATALOG DESCRIPTION	FILTER ELEMENT PART NUMBER	ELEMENT DIMENSIONS (INCHES)			CAPACITY CFM	WEIGHT LBS.
		O.D.	I.D.	HEIGHT		
CG02*	901513	3½	2½	3½	75	½
CG03*	901535	4	3	4	95	½
CG04*	901532	4½	3½	4½	125	1½
CG05*	901534	5¼	4¼	5¼	175	2
CG06*	901517	6	5	6	225	3
CG07*	901518	7	6	7	300	5
CG08*	901519	8	7	8	450	5
CG09	902888	8½	4 ¹³ / ₁₆	8½	400	6
CGG10	902887	10½	6 ¹³ / ₁₆	10½	700	7
CGG11	902886	12½	8 ¹³ / ₁₆	12½	1000	12
CGG12	902896	14½	8 ¹³ / ₁₆	14½	1350	17
CGG13	902897	18½	12 ¹³ / ₁₆	18½	2250	35
CGG14	902898	22½	16 ¹³ / ₁₆	22½	3250	42
CGG15	902899	22½	16 ¹³ / ₁₆	28½	4000	53
CGG16	902900	30½	25¾	30½	6000	77



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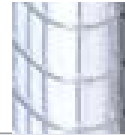
TYPE CH

FOR ENGINES, AIR COMPRESSORS AND BLOWERS

AIRSAN TYPE CH FILTER IS DESIGNED SPECIFICALLY FOR AIR INTAKES ON COMPRESSORS, BLOWERS AND ENGINES, WITH THREADED FILTER HOUSINGS TO ENABLE DIRECT MOUNTING TO EQUIPMENT. THE CH INTAKE FILTER USES AIRSAN TYPE C FILTER ELEMENTS CONSISTING OF MULTIPLE LAYERS OF CRIMPED GALVANIZED SCREEN CLOTH, CREATING A LARGE SURFACE TO STOP DUST AND DIRT. TO MAINTAIN THE HIGHEST LEVEL OF PERFORMANCE, FILTER ELEMENTS MUST BE RECHARGED WITH ADHESIVE AFTER CLEANING.

AIRSAN CH INTAKE FILTER ASSEMBLIES

CATALOG DESCRIPTION COMPLETE WITH ELEMENT	CH FILTER PART NUMBER	MAXIMUM CFM CAPACITY	CH HOUSING DIMENSIONS		PIPE SIZE INCHES	TYPE C FILTER ELEMENT	TYPE C FILTER ELEMENT DIMENSIONS			APPROX. SHIPPING WEIGHT POUNDS
			O.D.	HT.			O.D.	I.D.	HT.	
CHGG2/0.75	902581	75	3.56	5.12	¾	CG02	3.50	2.50	3.50	1.0
CHGG2/1.00	902582	75	3.56	5.25	1	CG02	3.50	2.50	3.50	1.5
CHGG2/1.25	902598	75	3.56	5.25	1¼	CG02	3.50	2.50	3.50	1.5
CHGG2/1.50	902644	75	3.56	5.25	1½	CG02	3.50	2.50	3.50	1.5
CHGG3/1.25	902645	95	4.06	5.75	1¼	CG03	4.00	3.00	4.00	2.0
CHGG3/1.50	902583	95	4.06	5.75	1½	CG03	4.00	3.00	4.00	2.0
CHGG3/2.00	902599	95	4.06	6.25	2	CG03	4.00	3.00	4.00	2.5
CHGG4/1.50	902646	125	4.56	5.75	1½	CG04	4.50	3.50	4.50	2.5
CHGG4/2.00	902584	125	4.56	6.75	2	CG04	4.50	3.50	4.50	2.5
CHGG4/2.50	902585	125	4.56	7.25	2½	CG04	4.50	3.50	4.50	3.0
CHGG5/1.50	902586	175	5.31	7.00	1½	CG05	5.25	4.25	5.25	3.0
CHGG5/2.00	902600	175	5.31	7.50	2	CG05	5.25	4.25	5.25	3.0
CHGG5/2.50	902587	175	5.31	8.00	2½	CG05	5.25	4.25	5.25	3.5
CHGG5/3.00	902588	175	5.31	8.25	3	CG05	5.25	4.25	5.25	3.5
CHGG6/2.00	902647	225	6.06	8.25	2	CG06	6.00	5.00	6.00	4.0
CHGG6/2.50	902648	225	6.06	8.75	2½	CG06	6.00	5.00	6.00	4.0
CHGG6/3.00	902649	225	6.06	9.00	3	CG06	6.00	5.00	6.00	4.5
CHGG7/2.50	902650	300	7.06	9.75	2½	CG07	7.00	6.00	7.00	4.5
CHGG7/3.00	902651	300	7.06	10.00	3	CG07	7.00	6.00	7.00	4.5
CHGG8/5.50	902652	450	8.06	10.75	2½	CG08	8.00	7.00	8.00	5.0
CHGG8/3.00	902589	450	8.06	11.00	3	CG08	8.00	7.00	8.00	5.5
CHGG8/3.50	902653	450	8.06	11.00	3½	CG08	8.00	7.00	8.00	5.5
CHGG8/4.00	902654	450	8.06	11.00	4	CG08	8.00	7.00	8.00	5.5



AIRSAN

TYPE CF

FORGENERATORS, AIR COMPRESSORS AND BLOWERS

THE **AIRSAN TYPE CF FILTER** IS A HIGHLY EFFICIENT DRY PLEAT FILTER ELEMENT BUILT TO WITHSTAND HARSH INDUSTRIAL ENVIRONMENTS WITH HIGH PARTICULATE LEVELS. TYPE CF ELEMENTS ARE 98% EFFICIENT ON 3 MICRON PARTICLES AND 100% ON 10 MICRON PARTICLES WHILE PRESSURE DROP IS HELD TO A MINIMUM. THE NON-WOVEN MEDIA PROVIDES EASY CLEANING, REQUIRES NO ADHESIVES AND FUNCTIONS EFFECTIVELY AT TEMPERATURES UP TO 300 F (148.9 CELSIUS). FOR HEAVY DUTY ENVIRONMENTS OR TO EXTEND SERVICE INTERVALS, POLYESTER PRE-WRAPPS ARE AVAILABLE FOR ALL TYPE CF SIZES.

AIRSAN TYPE CF REPLACEMENT FILTER ELEMENTS

CATALOG DESCRIPTION	FILTER ELEMENT PART NUMBER	ELEMENT DIMENSIONS (INCHES)			CAPACITY CFM	FILTER AREA SQ. FEET	WEIGHT LBS.
		O.D.	I.D.	HEIGHT			
CF08	901620	8	4	8	185	5.3	4
CF08A	901621	8	4	12	280	8.0	6
CF10	901622	10	6	15	420	12.5	8
CF12	901623	12	8	18	580	16.5	10
CF14	901624	14	10	21	800	22.5	15
CF18	901625	18	10	18	1085	31.0	20
CF18A	901626	18	10	27	1630	46.5	22
CF22	901627	22	14	22	1890	54.0	25
CF22A	901628	22	14	33	2835	81.0	45
CFS4	901629	24	16	36	3500	100.0	50



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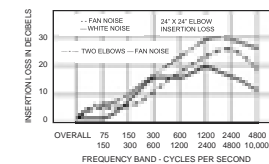
ACOUSTITURN

SOUND ATTENUATION – AIR CONTROL
FOR NOISE AND DIRECTIONAL AIR CONTROL

THE **AIRSAN ACOUSTITURN** IS CONSTRUCTED OF FOIL-SHAPED, 14-GAUGE ALUMINUM EXTRUSIONS INSULATED WITH FIRE-RESISTANT FIBERGLASS MEDIA AND PROTECTED BY PERFORATED FACINGS. ACOUSTITURNS MEASURE 6 3/8" ACROSS THE CHORD WITH MOUNTING RAILS THAT CAN BE OVERLAPPED ON THE NAIL CENTERS TO PRODUCE ANY LENGTH YOU REQUIRE. BUILT FROM DURABLE 24-GAUGE GALVANIZED STEEL WITH LOCATION HOLES ON 3 3/4" CENTERS, THE SECTIONS ARE FASTENED WITH SUPPLIED HARDWARE.

INSTALLATION COSTS ARE GENERALLY LOWER THAN ORDINARY DOUBLE-FACED VANES BECAUSE WE USE FEWER VANES WITH FEWER PIECES TO CUT AND ASSEMBLE. FOR CUSTOM ORDER REQUIREMENTS, WE CAN CUT TO YOUR EXACT SPECIFICATION.

TESTING ON THE ACOUSTITURN PROVES THAT RESISTANCE IS MUCH LOWER THAN THAT OF ORDINARY 3" DOUBLE-FACED VANES WHILE MAINTAINING SUPERIOR LAMINAR FLOW CHARACTERISTICS.



Insertion loss is derived by using a recommended 90 right angle elbow, lined with 2# density duct liner 3" upstream and 3" downstream. AIRSAN Acoustiturns were installed on 3 3/4" centers. While noise and dynamic noise are compared.

SELECTION DATA

WIDTH OF DUCT IN INCHES	NUMBER OF 6" VANES REQUIRED	FEET OF RAIL REQUIRED	WIDTH OF DUCT IN INCHES	NUMBER OF 6" VANES REQUIRED	FEET OF RAIL REQUIRED
6	2	2	34	12	9
8	2	2	36	13	9
10	3	3	38	14	10
12	4	3	40	14	10
14	4	4	42	15	11
16	5	4	44	16	11
18	6	5	46	17	12
20	7	5	48	17	12
22	7	6	50	18	13
24	8	6	52	19	13
26	9	7	54	20	14
28	10	7	56	20	14
30	11	8	58	21	15
32	11	8	60	22	15

AIRSAN

TYPE CSIL

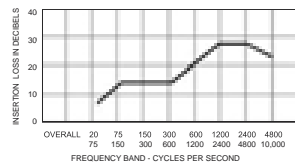
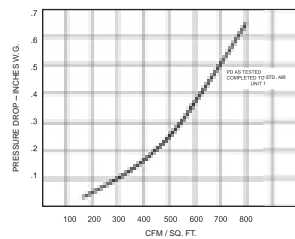
SOUND ATTENUATION - AIR CONTROL
FOR NOISE REDUCTION CAUSED BY HEATING AND AIR CONDITIONING EQUIPMENT

AIRSAN TYPE CSIL COMPACT SILENCERS CAN BE FOUND IN SCHOOLS, OFFICES, CONFERENCE ROOMS, LIBRARIES, HOSPITALS AND BROADCAST STUDIOS. THEY PROVIDE HIGH LEVELS OF CONVERSATIONAL PRIVACY BY DRAMATICALLY REDUCING HVAC COMPONENT OR MACHINERY NOISES IN THE WORKPLACE.

WITH ONLY A 4" DEPTH, THE COMPACT SILENCER REQUIRES LESS SPACE WHILE REDUCING SOUND LEVELS WITH LITTLE, IF ANY, RESISTANCE TO AIR FLOW. AVAILABLE IN EITHER A SQUARE OR RECTANGULAR SHAPE, THE AIRSAN COMPACT SILENCER IS NON-DIRECTIONAL TO BOTH AIR AND SOUND.



PERFORMANCE DATA





TYPE FF



AIRSAN

TYPE FF

PERMANENT • CLEANABLE • FLAME ARRESTER
FOR GREASE SEPARATION

THE AIRSAN TYPE FF GREASE FILTER IS A HEAVY DUTY, EASILY SERVICEABLE FLAME FILTER AVAILABLE IN EITHER DURABLE STAINLESS OR GALVANIZED STEEL CONSTRUCTION. THE FUNCTIONAL AERODYNAMIC DESIGN MAKES THE TYPE FF FILTER A HIGHLY EFFICIENT AND RELIABLE FLAME ARRESTER. BECAUSE FLAME CANNOT FOLLOW THE AIRFLOW THROUGH THE FILTER, FLARE-UPS ARE PREVENTED FROM ENTERING THE EXHAUST DUCTS. THIS WILL HELP ASSURE A SAFER, CLEANER WORK SPACE.

STRATEGIC PLACEMENT OF THE FILTER BAFFLES STOPS GREASE PARTICLES AT THE BAFFLE SURFACE WHILE GREASE BUILD-UP IS SUBSTANTIALLY REDUCED AS THE CAPTURED GREASE FLOWS DOWN THE BAFFLE FACE. SANITATION IS FURTHER ENHANCED AS THE LIQUIFIED GREASE DRAINS INTO A SPECIAL CONTAINER AWAY FROM THE FILTER.

THE AIRSAN TYPE FF IS BUILT TO BE STRONGER AND MORE DURABLE THAN MANY OTHER COMMERCIALY AVAILABLE OPTIONS. HOWEVER, IT HAS NOT YET BEEN CLASSIFIED BY UNDERWRITER LABORATORIES.

PERFORMANCE CHARACTERISTICS

NOMINAL SIZE		FILTER CAPACITY – CFM			
NET FACE FPM	RESTISTANCE CLEAN INCHES WG	10X20	16X20	20X20	20X25
265	.36	274	476	610	778
303	.47	314	544	698	890
341	.60	353	612	785	1001
379	.75	392	680	872	1113
417	.89	432	749	960	1224

FLAME FOIL BAFFLE-TYPE FILTERS – STANDARD SIZES

GALVANIZED				STAINLESS STEEL							
STOCK NO.	CATALOG DESCRIPTION ⁽¹⁾	ACTUAL SIZE IN INCHES A B C			WT (LBS)	STOCK NO.	CATALOG DESCRIPTION ⁽¹⁾	ACTUAL SIZE IN INCHES A B C			WT (LBS)
902760	FFG2-1620	15½	19½	1	7	902740	FFS2-1620	15½	19½	1	8
902761	FFG2-1625	15½	24½	1	10	902741	FFS2-1625	15½	24½	1	11
902762	FFG2-2020	19½	19½	1	10	902742	FFS2-2020	19½	19½	1	11
902763	FFG2-2025	19½	24½	1	12	902743	FFS2-2025	19½	24½	1	13
903193	FFG2-2016	19½	15½	1	7	903199	FFS2-2016	19½	15½	1	8
903194	FFG2-2516	24½	15½	1	10	903200	FFS2-2516	24½	15½	1	11
903195	FFG2-2520	24½	19½	1	12	903201	FFS2-2520	24½	19½	1	13

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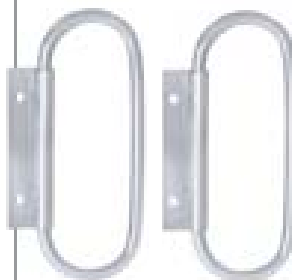
FILM COR

ALL PERMANENT METAL AIR FILTERS, REGARDLESS OF MANUFACTURER, MUST HAVE AN ADHESIVE APPLIED AFTER CLEANING. AIRSAN FILM-COR RECHARGING ADHESIVE IS NEARLY ODORLESS, HAS A HIGH FLASH POINT AND RAPID WETTING CHARACTERISTICS. A DYE TRACER IN THE ADHESIVE ALLOWS VISIBILITY OF COVERAGE.



BAIL HANDLES

BAIL HANDLES ARE SUPPLIED (AT CUSTOMER'S REQUEST) TO AID IN THE REMOVAL OF FILTERS FROM HOUSINGS. BAIL HANDLES MAY BE ORDERED WITH THE FILTER BY ADDING A "B" TO THE CATALOG DESCRIPTION SUFFIX. EXAMPLES: WGG2-2020B, AFGG2-2020B. BAIL HANDLES MAY ALSO BE ORDERED SEPARATELY AND ARE SOLD IN PAIRS.



SPRING CLIPS

AIRSAN SPRING CLIPS PROVIDE A POSITIVE FILTER RETAINMENT IN MANY TYPES OF FILTER HOUSINGS. SPRING CLIPS ARE AVAILABLE IN GALVANIZED STEEL AND STAINLESS STEEL MATERIAL. BOTH 1" AND 2" CLIPS ARE AVAILABLE



CLEANING INSTRUCTIONS

DIRECTIONS:

REMOVE DIRTY ELEMENTS FROM EQUIPMENT. IF MACHINERY CANNOT BE SHUT DOWN DURING CLEANING, IMMEDIATELY REPLACE WITH A BACK-UP FILTER. SOAK THE ELEMENTS IN ANY MILD INDUSTRIAL DETERGENT. AFTER SOAKING, BACK WASH THE ELEMENTS WITH WATER FROM THE AIR-LEAVING SIDE OF THE ELEMENT. THIS WILL FLUSH ANY CONTAMINATES TOWARD THE AIR-ENTERING FACE OF THE ELEMENT AND NOT DRIVE THEM FURTHER INTO THE MEDIA.

IT IS IMPORTANT TO LET THE CHEMICALS DO THEIR JOB. RINSING WITH HIGH PRESSURE ALONE IS NOT ENOUGH. THE ELEMENTS MEDIA IS VERY DENSELY PACKED; ITS PURPOSE IS TO CHANGE THE DIRECTION AND DIFFUSE THE AIR. AFTER RINSING, LET THE ELEMENTS DRY WHILE STANDING VERTICALLY ON EDGE. THIS WILL ALLOW THEM TO DRY COMPLETELY WITHOUT HAVING MOISTURE DRIP ONTO THE ELEMENTS BELOW. ONCE THEY DRY, ELEMENTS CAN BE STORED HORIZONTALLY ON TOP OF EACH OTHER.

FOR OILED FILTERS ONLY:

AFTER THEY ARE COMPLETELY DRY, APPLY FILM-COR ADHESIVE TO BOTH SIDES OF THE METAL FILTER. RED DYE TRACER HAS BEEN ADDED TO VISUALLY CHECK ADHESIVE FOR FULL COVERAGE.