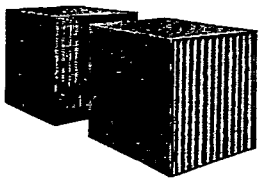
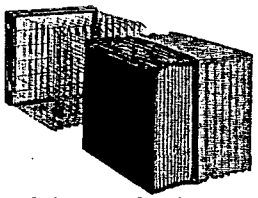
CAMBRIDGE FILTER CORPORATION

736 EAST ERIE BOULEVARD, SYRACUSE 1, N. Y.

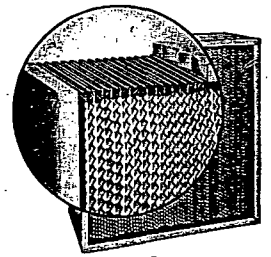
Representatives in Principal Cities



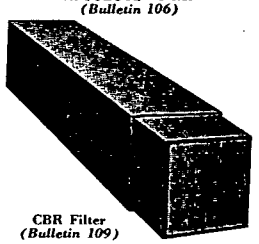
Rigid AEROSOLVE® Filter *(Bulletin 132)*



Folding AEROSOLVE® Filter *(Bulletin 133)*



ABSOLUTE® Filter *(Bulletin 106)*



CBR Filter *(Bulletin 109)*

High-Efficiency Air Filters

Cambridge air filters are positive, interception type, high-efficiency filters which provide trouble-free air cleaning without electric, water or drain connections. They are economically installed and, except for infrequent replacement, require no maintenance. In relation to efficiency, initial pressure drops are exceptionally low.

Cambridge AEROSOLVE® Filters

Available in *Rigid* and *Folding* types, consisting of corrosion-resistant permanent frames with pre-formed cartridges in a range of efficiencies to meet all comfort conditioning requirements. Cartridges of different efficiencies are interchangeable. Large media area and thickness provide long life which, with low initial cost, guarantees economical owning and operating costs.

Filter Model No.	Efficiency NBS Dust Spot Test	Rated Capacity CFM	Media Area Sq. Ft.	Frame Size* In.	Face Velocity FPM	Resistance In. w.g. Initial	Resistance In. w.g. Final
Rigid AEROSOLVE							
43A-45	40–50	1000	43	24×24×12	250	0.16	0.60
43A-85	80–85	1000	43	24×24×12	250	0.22	0.60
43A-95	90–95	1000	43	24×24×12	250	0.35	0.80
43D-45	40–45	1800	86	24×24×24	450	0.25	0.70
43D-85	80–85	1800	86	24×24×24	450	0.32	0.70
43D-95	90–95	1800	86	24×24×24	450	0.45	0.90
Folding AEROSOLVE							
43H-45	40–50	1000	43	24×24×14	250	0.16	0.60
43H-85	80–85	1000	43	24×24×14	250	0.22	0.60
43H-95	90–95	1000	43	24×24×14	250	0.35	0.80
43J-45	40–50	2000	86	24×24×27	500	0.35	0.75
43J-85	80–85	2000	86	24×24×27	500	0.40	0.80
43J-95	90–95	2000	86	24×24×27	500	0.50	1.00

* Half-size filters also available.

Cambridge ABSOLUTE® Filters

New glass-asbestos medium gives even greater efficiency and capacity than the original ABSOLUTE filter developed by Cambridge for AEC service. Essentially removes all smoke, dust, bacteria and mold spores. Widely used in industry where highest degree of air cleanliness is required. Every filter individually tested, with guarantee of 99.97 percent removal of 0.3 micron DOP particles. Max. initial pressure drop 1.0 in. w.g. at rated capacity. Available in special sizes and shapes.

MICRETAIN® Series ABSOLUTE Filters

Similar in construction to standard ABSOLUTE filters, but with initial pressure drop 0.4" w.g. and efficiency of 99 percent NBS dust spot test and 95 percent on 0.3 micron particles. Widely used in hospitals. Available in special sizes and shapes.

Size, in.	Standard ABSOLUTE Filter Model	Standard ABSOLUTE Filter Rated Cap. cfm @ 1" w.g.	MICRETAIN Series Model	MICRETAIN Series Rated Cap. cfm @ 0.4" w.g.
8×8×3⅜	1A*-25	30	7A*-25	25
8×8×5¾	1A-50	50	7A-50	50
24×24×5¾	1A-600	600	7A-600	600
24×24×11½	1A-1000	1100	7A-1000	1000
24×30×11½	1A-1250	1375	7A-1250	1250

* A Series, max. temp. 220° F., max. R.H. 85%. Other series available for extremes of temperature, humidity, fire resistance and corrosion.

Cambridge CBR Filter

Consists of ABSOLUTE particulate filter in series with a gas filter of special impregnated activated carbon, Type ASC, Grade I, vibrated and carefully packed to prevent formation of voids. Available with cellulose-asbestos medium, 99.95% DOP efficiency or glass-asbestos, 99.97%.

Model	Rated Capacity* CFM	Carbon Weight Lb.	Initial Δp, In. w.g.	Height In.	Width In.	Length In.
M-14C	600	160	2.25	25⅛	25⅛	34⅛
M-15C	1200	320	3.00	25⅛	25⅛	62

* 2500 and 5000 cfm capacity units also available.

CHAMPION BLOWER & FORGE CO., INC.

LANCASTER, PA.

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Harrisburg Avenue & Charlotte St.
Lancaster, Pennsylvania
Phone: EXpress 7-6171

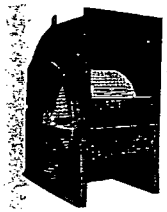
Mid-Western Sales Office
4053 May Street
Hillside, Illinois
Phone: ESterbrook 8-7070

Address Correspondence to Div. 9

Manufacturers of Blowers, Ventilating Fans and Exhaust Fans for handling air, material and fumes

Representatives in Principal Cities

MEMBERS OF THE AIR MOVING AND CONDITIONING ASSOCIATION

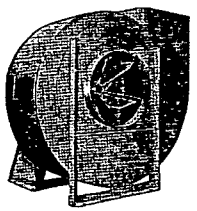


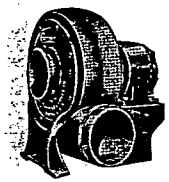
CENTRIFUGAL FANS

These fans are built in wheel sizes from 12" to 72" in both forward and backward curve, Class I, II, III, or IV, in all standard arrangements, also in any special arrangement required. They are particularly suited for either high or low pressure ventilation exhausting and forced draft work.

INDUSTRIAL EXHAUST FANS

These are manufactured in sizes from No. 15 to No. 100 covering a wide range of requirements for exhausting materials of all kinds. They are rugged, heavy duty, all-welded construction suitable for long years of service without attention. All fans are statically and dynamically balanced.



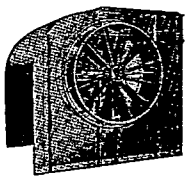


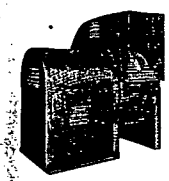
TYPE "B" CAST IRON FANS

This line of radial blade fans is particularly useful in fume hood work and material exhausting. Under abrasive conditions the cast iron housing outlasts a steel housing ten to one. The fans are furnished in nine sizes, in Arrangements 1, 2, and 4, and are adjustable to eight different discharges and can be supplied with the standard accessories.

HEAVY DUTY FANS

Champion manufacturers a line of standard and special heavy duty fans for service up to 18" static pressure. These fans are used for induced draft, forced draft, and high pressure ventilation and can be furnished in any standard arrangement with any accessories required for normal service. These fans are rigidly built in all classes of construction.





VENTILATING SETS

Champion ventilating sets are manufactured with either forward curve or backward curve non-overloading wheels. Vent sets are equipped with ball bearings and the easy adjustable motor base. All Vent Sets are of sturdy construction and are built in sizes from 9" wheels to 36" wheels. All standard accessories can be used on these units.

TURBAIRE-PRESSURE BLOWERS

Champion Turbaire-pressure blowers are designed to operate in a range of pressures up to 24 oz. pressure when operating at 3500 R.P.M. They are designed for smooth, quiet operation and will develop a positive pressure at highest efficiency.

