

**PRODUCT DATA**

**FILTER-LINE™  
SERIES FLC  
PD-FLFLC-03A  
JANUARY 2003**

**AIR  
FILTERS**

**FILTER-LINE™****SERIES FLC — 50-60-80-90/12****CARTRIDGE FILTERS — CLASS 2**

**50%, 60%, 80% AND 90% EFFICIENT — 6" OR 12" DEEP**

**Description**

The FILTER-LINE™ Series FLC — Filter-Line Cartridge Filters (Class 2) are designed to provide high performance in a variety of applications. Cartridges may be used in VAV (Variable Air Volume) systems where changes in air flow or system shutdown will not adversely affect filter performance. Cartridges utilize ultrafine fiberglass media, bonded to an expanded metal support grid. Media is then pleated and the pack is enclosed in a 24 gauge galvanized steel frame. Filter-Line Cartridge Filters are available in 50%, 60%, 80% and 90% efficiencies. Cartridges are available in (6) standard face sizes and (2) filter depths. Filter-Line Cartridge Filters are listed by Underwriters Laboratories as UL Class 2.

**Construction****ULTRAFINE FIBERGLASS MEDIA**

Filter-Line Cartridges are manufactured from ultrafine fiberglass media, which is bonded to an expanded metal support grid on the air-leaving side. Media is pleated to the full depth of the Cartridge.

**24 GAUGE GALVANIZED STEEL CELL SIDE**

Filter-Line Cartridges are constructed using 24 gauge galvanized steel. The cell side provides for a very rigid filter and all interior surfaces of the air filter media are sealed to the enclosing frame.

**AIR-ENTERING/AIR-LEAVING PLEAT STABILIZERS**

Filter-Line Cartridges are provided with pleat stabilizers on both sides of the filter. Stabilizers add rigidity and maintain pleat configuration, ensuring high performance over the life of the filter.

**FOUR DIFFERENT ASHRAE EFFICIENCY RATINGS**

Filter-Line Cartridges are available in (4) different ASHRAE efficiency ratings of 50%, 60%, 80% and 90%. Cartridges are tested in accordance with ASHRAE Standards for air filters.

**TWO DISTINCT CARTRIDGE FILTER DESIGNS**

Filter-Line Cartridges are available in (2) filter types. Cartridges without headers are designed for use in frame banks. Cartridges with perimeter headers are used in side-access filter housings.

**WIDE VARIETY OF FILTER SIZES AND DEPTHS**

Filter-Line Cartridges are offered in (6) standard face sizes and (2) filter depths for 6" and 12" filters. All Filter-Line Cartridges conform to industry standards for fit and performance.

**Dimensional Data****SERIES FLC - CARTRIDGE FILTERS - CLASS 2**

MODEL NUMBER	NOMINAL SIZE	ACTUAL SIZE	SQUARE FOOTAGE OF MEDIA
FLC**/121224	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	28.0
FLC**/121620	16 x 20 x 12	15 1/2 x 19 1/2 x 11 1/2	39.0
FLC**/121625	16 x 25 x 12	15 1/2 x 24 1/2 x 11 1/2	44.0
FLC**/122020	20 x 20 x 12	19 1/2 x 19 1/2 x 11 1/2	44.0
FLC**/122025	20 x 25 x 12	19 1/2 x 24 1/2 x 11 1/2	59.6
FLC**/122424	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	58.0

\*\*Insert 50 for 50%, 60 for 60%, 80 for 80% and 90 for 90% efficient Cartridge Filters.

Cartridges without a perimeter header are normally used in built-up holding frame bank assemblies.

Cartridges with a perimeter header are normally used in side-access housing applications.

Add the suffix "PH" to model number for units with a perimeter header. Example: FLC90/122424PH.

**Performance Data**

SERIES FLC	INITIAL RESISTANCE		RECOMMENDED FINAL RESISTANCE	ARRESTANCE VALUE
	@ 300 FPM	@ 500 FPM		
50/12	.10	.35	1.50	45 - 55%
60/12	.15	.40	1.50	60 - 65%
80/12	.27	.55	1.50	80 - 85%
90/12	.34	.65	1.50	90 - 95%

**MODEL NUMBER KEY**

FLC90/122424PH

*Insert model number extension to complete model number.*

**FLC-** FILTER-LINE™ Cartridge  
**90/12-** 90% Efficiency - 12" Depth  
**24-** Unit Width  
**24-** Unit Height  
**PH-** Perimeter Header

Note: 6" deep Cartridges are available, please contact factory.

**Corporate Headquarters**

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We reserve the right to make changes in product design and product specifications without prior notice or obligation.

**BLC INDUSTRIES INC.**

*Breathe Easy, We Have The Line On Air Filtration.*