

# Box FILTERS

## PRODUCT DESCRIPTION

Lifetime Industries Box Filters provide excellent performance in applications where a high degree of air cleanliness is critical. Rigid construction makes them an ideal choice for turbulent airflow conditions. In addition, because the filter media is totally supported by the filter frame and aluminum separators, they function extremely well in variable air volume applications. Lifetime Industries Box Filters are offered in 60-65% and 90-95% efficiency ranges and in both single and double header models. The media pack is constructed using a continuous sheet of high efficiency, micro-fiber glass media, which is water-resistant and can withstand 100% humidity. Hemmed aluminum separators between each pleat provide uniform pleat spacing and excellent airflow characteristics. A heavy-duty galvanized steel enclosing frame encompasses the media pack resulting in an extremely rigid and durable filter, capable of withstanding even the most difficult conditions.

## PRODUCT APPLICATION

Lifetime Industries Box Filters are extremely versatile and can be used effectively in most HVAC applications including commercial office buildings, hospitals, food processing, pharmaceutical and manufacturing

## MEDIA SPECIFICATIONS

The filter shall be of the rigid Box Filter type with an average efficiency of 60-65% or 90-95% based on ASHRAE standard 52.1-1992. The filter media pack shall be made from a continuous sheet of graduated density, high strength, water-resistant micro-fiber glass pleated paper. Corrugated aluminum separators having hemmed edges shall be placed between each pleat resulting in the effective use of the media, uniform air flow and media pack integrity. The media pack shall be sealed to the inside of the filter frame with a synthetic rubber based adhesive, which will remain flexible. The frame shall be made from 24 Ga. galvanized steel.

## Heavy-Duty Metal Frame

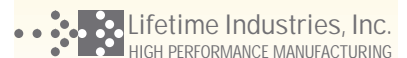
- 24 gauge galvanized steel
- Single and Double Header Models

## Available Efficiencies

- 60 - 65%
- 90 - 95%

## FEATURES / BENEFITS

- Moisture resistant media for excellent performance in high moisture applications.
- Low pressure drop for long service life.
- Rigid durable construction is ideal for extreme applications.
- Perfect for VAV systems or frequent fan shutdowns.
- Rigid media pack reduces fiber shedding and contaminant unloading.
- Large square footage of media is more than double that of some pocket filters.
- UL Class 1



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**BOX FILTERS - PERFORMANCE DATA**

Part Number	Nominal Size	Rated Air Flow Capacity (CFM)			Initial Resistance (In. W.G.)			Recommended Final Resistance (In. W.G.)	Media Area (Sq. Ft.)
		Low	Medium	High	Low	Medium	High		
<b>* 60-65% EFFICIENCY - SINGLE HEADER</b>									
BX6512246-1	12X24X6	500	750	n/a	0.25	0.45	n/a	1.5	23
BX6520206-1	20X20X6	700	1050	n/a	0.25	0.45	n/a	1.5	35
BX6520246-1	20X24X6	850	1275	n/a	0.25	0.45	n/a	1.5	43
BX6524246-1	24X24X6	1000	1500	n/a	0.25	0.45	n/a	1.5	52
<b>* 60-65% EFFICIENCY - DOUBLE HEADER</b>									
BX65122412-1	12X24X12	500	1000	1250	0.15	0.45	0.60	1.5	47
BX65202012-1	20X20X12	700	1400	1750	0.15	0.45	0.60	1.5	72
BX65202412-1	20X24X12	850	1650	2100	0.15	0.45	0.60	1.5	88
BX65242412-1	24X24X12	1000	2000	2500	0.15	0.45	0.60	1.5	106
<b>* 60-65% EFFICIENCY - SINGLE HEADER</b>									
BX6512246-2	12X24X6	500	750	n/a	0.25	0.45	n/a	1.5	23
BX6520206-2	20X20X6	700	1050	n/a	0.25	0.45	n/a	1.5	35
BX6520246-2	20X24X6	850	1275	n/a	0.25	0.45	n/a	1.5	43
BX6524246-2	24X24X6	1000	1500	n/a	0.25	0.45	n/a	1.5	52
<b>* 60-65% EFFICIENCY - DOUBLE HEADER</b>									
BX65122412-2	12X24X12	500	1000	1250	0.15	0.45	0.60	1.5	47
BX65202012-2	20X20X12	700	1400	1750	0.15	0.45	0.60	1.5	72
BX65202412-2	20X24X12	850	1650	2100	0.15	0.45	0.60	1.5	88
BX65242412-2	24X24X12	1000	2000	2500	0.15	0.45	0.60	1.5	106
<b>* 90-95% EFFICIENCY - SINGLE HEADER</b>									
BX9512246-1	12X24X6	500	750	n/a	0.45	0.65	n/a	1.5	27
BX9520206-1	20X20X6	700	1050	n/a	0.45	0.65	n/a	1.5	41
BX9520246-1	20X24X6	850	1275	n/a	0.45	0.65	n/a	1.5	50
BX9524246-1	24X24X6	1000	1500	n/a	0.45	0.65	n/a	1.5	60
<b>* 90-95% EFFICIENCY - DOUBLE HEADER</b>									
BX95122412-1	12X24X12	500	1000	1250	0.25	0.65	0.78	1.5	56
BX95202012-1	20X20X12	700	1400	1750	0.25	0.65	0.78	1.5	84
BX95202412-1	20X24X12	850	1650	2100	0.25	0.65	0.78	1.5	102
BX95242412-1	24X24X12	1000	2000	2500	0.25	0.65	0.78	1.5	125
<b>* 90-95% EFFICIENCY - SINGLE HEADER</b>									
BX9512246-2	12X24X6	500	750	n/a	0.45	0.65	n/a	1.5	27
BX9520206-2	20X20X6	700	1050	n/a	0.45	0.65	n/a	1.5	41
BX9520246-2	20X24X6	850	1275	n/a	0.45	0.65	n/a	1.5	50
BX9524246-2	24X24X6	1000	1500	n/a	0.45	0.65	n/a	1.5	60
<b>* 90-95% EFFICIENCY - DOUBLE HEADER</b>									
BX95122412-2	12X24X12	500	1000	1250	0.25	0.65	0.78	1.5	56
BX95202012-2	20X20X12	700	1400	1750	0.25	0.65	0.78	1.5	84
BX95202412-2	20X24X12	850	1650	2100	0.25	0.65	0.78	1.5	102
BX95242412-2	24X24X12	1000	2000	2500	0.25	0.65	0.78	1.5	125

\* Efficiency ratings based on ASHRAE standard 52.1

All performance data conforms to tolerances referenced in Section 7.4 of ARI standard 850-93.