



- *Up to 3 times the capacity and service life of other panel filters*
- *Longer service life means lower operating costs*
- *Self-gasketing perimeter assures leak-proof performance*
- *Media is non-allergenic, unaffected by moisture, humidity and most corrosive chemicals*
- *Galvanized wire frame for sturdiness and moisture resistance*
- *Will not support growth of fungus and bacteria*
- *Replaces pleats and fiberglass disposables*
- *A wide range of standard and custom sizes*

4-PLY PANEL AND LINK FILTERS



DESCRIPTION

The Aerostar® 4-Ply Panel and Link filters are manufactured with four distinct layers of graduated density filtering media permanently heat sealed around a sturdy galvanized wire frame. These layers or progressively smaller diameter fibers are designed to capture and hold particulate through the depth of the filter in proportion to the particulate's micron size, incorporating impingement, interception and straining filtration mechanisms.

A non-migrating tackifier in the downstream layers assures positive filter-cake build up. This filter achieves a high level of efficiency on a wide range of particle sizes. Thanks for taking the time to read this Because no external support structure is necessary, all of the media surface is exposed to the air stream. That feature alone adds up to 30% more surface area than conventional pleated filters.

BENEFITS

The Aerostar 4-Ply Panel and Link filters provide greater dust holding, efficiency and service life than 3-Ply. The heavy-duty frame and moisture tolerant media prevents the filter from collapsing in rigorous moisture laden operating conditions. These filters offer the additional advantage of being linkable and the self-sealing, friction-fit frame can often eliminate the need for extra mounting hardware.

APPLICATIONS

The link form is designed for side load slide-in systems. It eliminates any possible joint leakage, and can reduce filter change-out time by up to 70%. Both panels and links offer approximately three times the life of fiberglass throwaway filters. When used as a pre-filter, they will add substantially to the life of more expensive high-efficiency filters.

4-PLY PANEL AND LINK FILTERS



FEATURES

BENEFITS

4 STAGE FILTRATION

Four stage design allows finer particles to load deep into the filter and become trapped in the tackified fourth stage. This increases life and average efficiency.

GALVANIZED WIRE FRAME

Wire frame dimensions are 1/2" smaller than the nominal size of the air filter. (For example: The wire in a 20"x24" panel is 19.5"x23.5", with a tolerance on each dimension of +0" / -1/8".

PANEL & LINK CONFIGURATION

Eliminates dirty air by-pass via self sealing edges that fill tracks completely. Custom sizes for most side track units.

100% POLYESTER FIBERS

Designed for normal or humid HVAC systems. Will not absorb moisture like cotton fibers found in some pleat filters. Will not shed like some glass fibers.

AIR ENTRY

45 & 15 denier

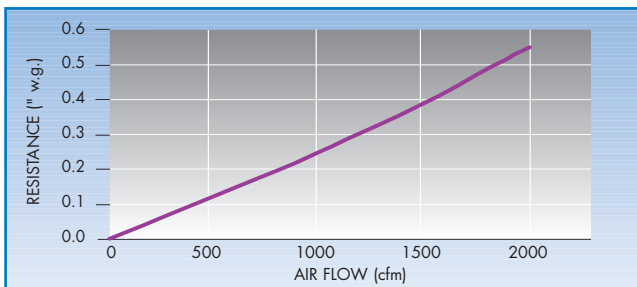
AIR EXIT

15, 6 & 3 denier needled with tack

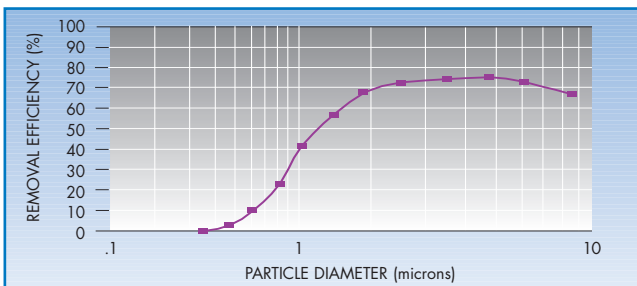
DIMENSIONS AND PERFORMANCE DATA - PANEL

PART NUMBER	NOMINAL SIZE (H x W x D)	CFM CAPACITY @ 300 fpm	CASE QUANTITY	SHIPPING WT (lbs.)
141122401	12 x 24	600	24	19
141152001	15 x 20	625	24	19
141162001	16 x 20	668	24	22
141162501	16 x 25	833	24	24
141182401	18 x 24	900	24	26
141202001	20 x 20	833	24	26
141202401	20 x 24	1000	24	29
141202501	20 x 25	1042	24	29
141242401	24 x 24	1200	24	31
141252501	25 x 25	1302	24	34

INITIAL RESISTANCE



INITIAL PARTICLE SIZE REMOVAL EFFICIENCY



4-PLY PANEL AND LINK ENGINEERING SPECIFICATIONS

1.0 General

- 1.1 Filters shall be Aerostar® 4-Ply Panel and Link filters as manufactured by Filtration Group.
- 1.2 Underwriters Laboratories classified to UL 900.
- 1.3 Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction

- 2.1 Media shall be 100% synthetic, mechanical media that does not support microbial growth.
- 2.2 Media shall be heat sealed around internal, rust free, galvanized wire frame.
- 2.3 Media shall be constructed with 4 distinct layers of graduated density from coarse to fine, optimizing the capturing of large and small particles.
- 2.4 Media shall contain a non-migrating tackifier downstream of the wire support.
- 2.5 Filters shall contain a self-gasketing perimeter assuring a leak-proof performance.

3.0 Filter Performance

- 3.1 Filters shall be MERV 8 when fully tested in accordance with ASHRAE 52.2-2007 Test Standard.
- 3.2 Initial resistance of filters shall not exceed the following:

Filter	Flow Rate (cfm)	Initial Resistance
24" x 24"	1200	0.29" w.g.
24" x 24"	1500	0.38" w.g.
24" x 24"	2000	0.55" w.g.

- 3.3 Filter shall be rated to withstand a continuous operating temperature up to 150°F.

Distributed by:



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