

A16 PleatLock premium filter media is a proprietary cellulose polyester blended flame retardant media with an extra nanofiber surface filtration layer with an initial Minimum Efficient Reporting Value of 16 (MERV16). The base media is enhanced with a direct spray nanofiber to promote surface loading during operation and dust release during pulse cleaning. RoboVent's PleatLock and Endurex RMO technology has been engineered to provide more filter media within the cartridge for extended filter life and reduced maintenance. The A16 approached HEPA-level filtration efficiency, capturing at least 95% of particles in the 0.3-1.0 micron range. This makes the A16 PleatLock suitable for collection of fumed particulate and more hazardous materials, such as weld smoke, weld smoke containing hex chrome or manganese, laser and plasma cutting, ultrafine pharmaceutical and chemical powders, and other submicron particulate.

PleatLock filters are high-performance cartridge filters with excellent filtration efficiency, performance and longevity. The innovative pleat design results in 35% more filter media per inch for a more compact filter and an overall smaller dust collection system. Dimples in the pleats allow for better airflow and lower pressure drop for enhanced performance and energy efficiency.

Endurex RMO filters use a mini-pleat design with wide pleat spacing for enhanced airflow. RMO support keeps optimal separation between the pleats, which ensures even filter loading and maximizes the available filter media.



**Standard Product Characteristics**

<b>Base Media:</b>	Cellulose/Polyester Blend + Fire Retardant
<b>Pulse Layer:</b>	Nanofiber Extra
<b>Max. Temperature:</b>	180°F
<b>Max. Humidity:</b>	95%
<b>ASHRAE Efficiency:</b>	MERV 16*
<b>End Cap:</b>	Galvanized Steel

**PleatLock A16 Filter Sizes**

ITEM NUMBER	MEDIA AREA (FT <sup>2</sup> )	END CAP CONFIGURATION	SF SIZE (IN)	OD (IN)	ID (IN)	LENGTH (IN)	LENGTH TOLERANCE (IN)
PL-10D12-A16	71	OPEN/OPEN	NA	10.88	6.18	11.95	+/- 1/16"
PL-12D26-A16	209	OPEN/OPEN	NA	12.88	8.5	25.95	+/- 1/16"
PL-12D26-A16-OC-DBG	209	OPEN/CLOSED	NA	12.88	8.5	25.95	+/- 1/16"
PL-12D36-A16-C	290	OPEN/CLOSED	NA	12.88	8.5	34.95	+/- 1/16"
PL-14D26-A16	240	OPEN/OPEN	NA	13.95	9.56	25.95	+/- 1/16"
PL-14D26-A16-C	240	OPEN/CLOSED	NA	13.95	9.56	25.93	+/- 1/16"
PL-14D26-A16-SF	240	SQUARE/CLOSED	16x16	13.95	9.56	25.93	+/- 1/16"
PL-14D36-A16	333	OPEN/OPEN	NA	13.95	9.56	34.95	+/- 1/16"
PL-14D36-A16-C	333	OPEN/CLOSED	NA	13.95	9.56	34.93	+/- 1/16"
PL-14D36-A16-SF	333	SQUARE/CLOSED	16x16	13.95	9.56	34.93	+/- 1/16"
PL-14D52-A16-SF	480	SQUARE/CLOSED	16x16	13.95	9.56	51.88	+/- 1/16"
PL-14D52-A16-SF21	480	SQUARE/CLOSED	15x21	13.95	9.56	51.89	+/- 1/16"
PL2-14D52-A16-SF	480	SQUARE/CLOSED	17x18	13.95	9.56	52	+/- 1/16"
PL-18D16-A16	191	OPEN/OPEN	NA	17.38	12.56	15.95	+/- 1/16"
PL-22D14-A16-C	238	OPEN/CLOSED	NA	22.38	17.88	13.95	+/- 1/16"
PL-22D21-A16	357	OPEN/OPEN	NA	22.38	17.88	20.95	+ 1/16"
EX3-24D21-A16	225	OPEN/OPEN	NA	24.02	17.63	21.02	+ 1/16"

\* Note: MERV estimated on clean filter only. Assumes this is minimum.