



ULTRA-CELL® V-Pleat 99.97/99.99 on .3 micron

High Efficiency Particulate Air (HEPA) Gasket Seal Filter

Introduction

- Purolator's ULTRA-CELL® V-Pleat is a high efficiency mini-pleat separator, gasket seal style filter, designed to operate at 500 FPM with an average initial resistance of 1.00 W.G.
- Applications: Manufactured for environments requiring 99.97% or 99.99% efficiency on .3 micron particles. (Due to the design of the V-pleat, it cannot be scan tested.)
- Its high surface area design provides the maximum amount of effective filter media area.
- Standard frame material is anodized, extruded aluminum.
- A high surface area to depth ratio provides the maximum amount of effective filter media in areas of minimum in-line duct space.
- Filter efficiencies range: 99.97 and 99.99% on .3 micron.
- Available in 11-1/2" filter depth.

Construction features

- Frame: Anodized, extruded aluminum.
- The media pack is bonded and secured to the frame with a urethane based sealant. The filter pack is a mini pleat design utilizing thermoplastic separators.
- Gasket seal type: Closed-cell neoprene dovetail.
- Maximum operating temperature: $\leq 160^{\circ}\text{F}$.
- Testing: All HEPA filters are tested in our state of the art testing facility. All ULTRA-CELL V-Pleat filters will be tested for pressure drop and efficiency.

Media and Support

- Media: Continuous sheet of non-combustible, waterproof, microfiberglass.
- Pleat configuration: Mini pleat
- Pleat support: Thermoplastic separator



Applications

The ULTRA-CELL V-Pleat is an excellent choice where systems require lower resistance. They can be used in Purolator's HEPA housings, Bag-in/Bag-out housings, or PURO HEPA holding frames.

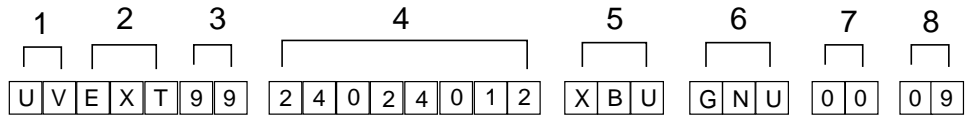

Purolator®
Air Filtration
 a CLARCOR company

Suggested product specifications

1. The ULTRA-CELL® V-Pleat High Efficiency Particulate Air (HEPA) filter shall be manufactured by Purolator Air Filtration.
2. Air filters shall be constructed in a clean environment using the latest technology in filter pleating and testing technology.
3. The filter pack shall be sealed to the filter frame using a urethane base sealant.
4. The filter media shall consist of a continuous sheet of pleated, non-combustible, waterproof, microfiberglass media. Thermoplastic separators shall fully support the media while exposing its maximum surface area to airflow.
5. A quality assurance program shall be in place to verify pressure drops and efficiencies.
6. All orders shall be shrink wrapped and palletized.

Ordering Information

The design and construction of Purolator Filtration Systems filters are coded with an assembly part number. The part number is divided into sections consisting of the following information:



Section 1: Filter Type

UV = ULTRA-CELL V-Pleat

Section 2: Frame Material

EXT = Anodized, extruded aluminum

Section 3: Efficiency Option

97 = 99.97% eff. on .3 micron

99 = 99.99% eff. on .3 micron

Section 4: Size option

24" x 24" x 11-1/2" = 24024012

24" x 12" x 11-1/2" = 24012012

Section 5: Frame style sealant option

XBU = X-Body/urethane sealant

Section 6: Gasket seal option

GNU = Gasket Neoprene Upstream

GND = Gasket Neoprene Downstream

GNB = Gasket Neoprene Both sides

Section 7: Faceguard location option

00 = No face guard

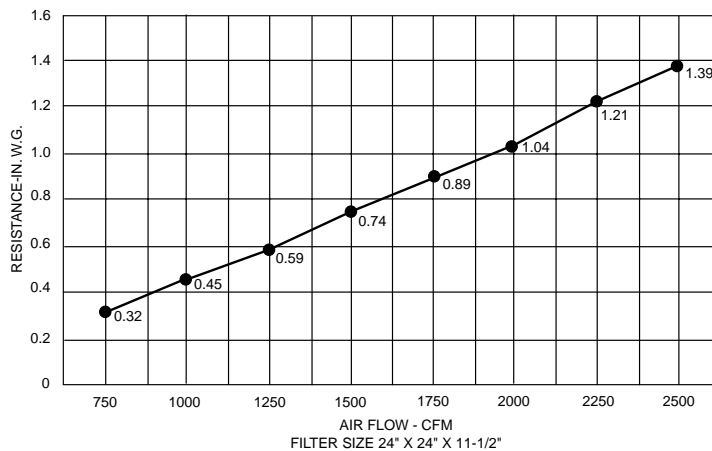
Section 8: U.L. code option

09 = UL 900 Class 2

00 = None

Pressure Drop Curve

ULTRA-CELL V-PLEAT 99.97 & 99.99% on .3 MICRON



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