

# Purolator™

## MICROPAK® Mini-Pleat

HEPA Filters

### Introduction

The Purolator MICROPAK mini-pleat filter (MPMP) is a Laminar Flow mini-pleat filter pack available in two depths (2" and 4") with various frame styles and sizes.

### Applications

The MPMP is designed for cleanrooms, laboratories, or any controlled area requiring clean air from ISO Class 8 to ISO Class 4, and can be used in cleanbenches, holding frames, and framing systems.

### Efficiencies

Purolator provides the MPMP in filter efficiencies ranging from 95% to 99.99% on .3 micrometer particles and 99.9995% on .12 micrometer particles. Each MPMP is tested in our state of the art test facility, checked for pressure drop, and scan tested.

### Media Design

The MICROPAK mini-pleat design features a thermal plastic separator assuring the integrity of the filter pack which helps eliminate particle shedding caused by media to media contact.

### Construction Features

The MPMP is a lightweight, low profile mini-pleat filter constructed from either anodized aluminum or stainless steel frames. All MICROPAK filters are sealed into the frame of choice with fire-retardant urethane.

### Suggested Specifications

1. The MICROPAK mini-pleat filter (MPMP) shall be a lightweight, low-profile filter as manufactured by Purolator.
2. Each module cell side shall be constructed of anodized aluminum or stainless steel frame material.
3. The MICROPAK mini-pleat design shall eliminate aluminum separators and media-to-media contact associated with media tearing and shedding.
4. A clean seal shall be used between the filter pak and frame to eliminate urethane wicking.
5. Each MPMP shall be tested for pressure drop and scan tested for leak free performance.

### Features

- The MICROPAK mini-pleat design with thermo plastic separators
- Anodized extruded aluminum frame
- U.L. 900 Class 2
- Urethane sealant



\* For pressure drop information and submittal drawings please consult your local Purolator Representative.

- Two inch filter pak depth
- Testing
- Fluid & Gasket seal

### Benefits

- Eliminates aluminum separators and media-to-media contact often associated with media tearing and shedding.
- Adds to the stability and strength of the filter module. Protects the filter from racking during installation and operation, and resists corrosion.
- Maintains a clean seal between the filter pak and frame as no wicking of the urethane sealant shall occur.
- Provides flexibility with regard to pressure drop and frame size.
- Each MPMP is tested for pressure drop, and is scan tested (except for the 95% efficiency).
- Flexibility in filter to frame seals.

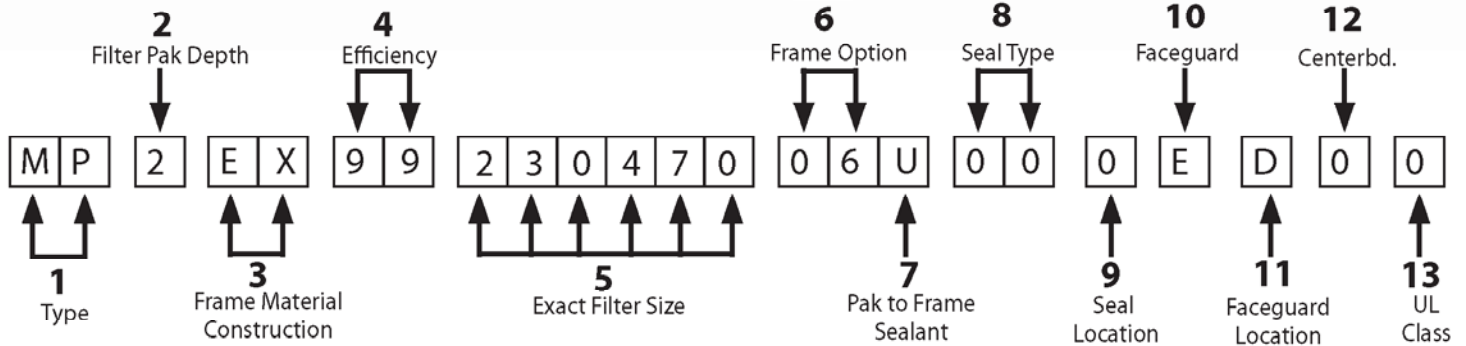
# MICROPAK® Mini Pleat

## HEPA Filters



### Ordering Information

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



#### Section 1: Product Type

MP = MICROPAK mini-pleat filter

#### Section 2: Filter Pak Depth

2 = 2" Deep

#### Section 3: Frame Material Const.

EX = Anodized extruded aluminum  
 SS = 16-Gauge 304 stainless steel  
 NP = Non fire-retardant particalboard

#### Section 4: Efficiency

95 = 95% on .3 micrometers tested with PAO  
 99 = 99.99% on .3 micrometers tested with PAO  
 P9 = 99.99% on .3 micrometers tested with PSL  
 59 = 99.9995% on .12 micrometers tested with PSL

#### Section 5: Exact Filter Size

Example: 230470 = 23" x 47"  
 Alphanumeric designation follows width and length

0 = 0    D = 1/4"    H = 1/2"    M = 3/4"  
 A = 1/16"    E = 5/16"    J = 9/16"    N = 13/16"  
 B = 1/8"    F = 3/8"    K = 5/8"    P = 7/8"  
 C = 3/16"    G = 7/16"    L = 11/16"    R = 15/16"

#### Section 6: Frame Style Options

01=2-7/8" deep frame with a gel header (2" filter pak) (used for Micropak Permanent Hood)  
 02=5" dep frame with a gel header (4" filter pak) (used for Micropak Permanent Hood)  
 03=2-3/4" deep gasket seal frame with a 2" filter pak  
 04=Replacement filter for a FARR CPXRC style filter (2" filter pak)  
 05=Replacement filter frame for a Donaldson hood (2" filter pak) or Micropak Economy Hood 4-3/4" deep  
 06=3-1/4" deep frame with 3/4" knife edge (2" filter pak)  
 07=Replacement filter frame for a Puro fan filter module (2" filter pak)  
 08=5-7/8" deep wood frame

#### Section 7: Pak to Frame Sealant

U = Urethane  
 X = Special

#### Section 8: Gasket/Fluid Seal Type

FS = Fluid Seal (standard) urethane  
 GN = Gasket, neoprene (3/4 & 1/4) dovetail  
 FA = Fluid seal silicone (clear in color)  
 GG = Gray neoprene gasket (1/4" & 5/8")  
 0 = None

#### Section 9: Gasket/Fluid Seal Location

U = Upstream  
 D = Downstream  
 1 = Used for filter style "01 & 02". For the Micropak Permanent Hood

#### Section 10: Faceguard Type

E = 62% open expanded painted white  
 4 = 40% open 304 stainless steel perf.  
 A = Anodized Aluminum  
 0 = None

#### Section 11: Faceguard Loc.

D = Downstream  
 U = Upstream  
 B = Both sides  
 0 = None

#### Section 12: Centerboard

1 = Centerboard with one port  
 2 = Centerboard with two ports  
 3 = Centerboard with no ports  
 4 = Centerboard for a Puro fan module with 3 penetrations indicator light  
 5 = Centerboard with two ports for a FARR CPXRC filter  
 0 = None

#### Section 13: UL Classification

0 = None



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P-MICROMINI-210

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