

Purolator®

MICROPAK™ Disposable Module

Disposable Ducted Supply Module

Introduction

The Purolator MICROPAK Disposable Module (MPDM) is a ducted supply module designed for cleanroom applications.

Applications

The MPDM is designed for cleanrooms, laboratories, or any controlled area requiring clean air from Class M 6.5 (100,00) ISO 14644 Level 8 to Class M 1.5 (1) ISO 14644 Level 3.

Efficiencies

Purolator provides the MPDM in filter efficiencies ranging from 99.99% on .3 micron particles to 99.9995% on .12 micron. Each MPDM is tested for pressure drop and scan tested for pinhole leaks.

Media Design

Every MPDM ships with our MICROPAK (mini pleated separator) filter pak. The MICROPAK pleat design features a thermal plastic separator assuring the user of a structurally sound and leak-free filter pak.

Construction Features

The MPDM is a lightweight, low profile disposable module constructed out of anodized aluminum on the filter cell side, with a mill finish aluminum plenum back. All modules have a centerboard, and one port (standard) to measure static pressure and adjust the diffusion plate.

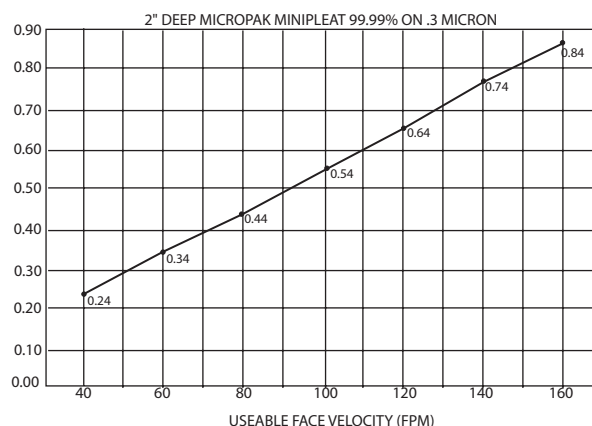
In addition each MPDM has a 62% open, white (painted) grille as standard and (4) hanging supports, including a 10" or 12" inlet (specify when ordering).

Suggested Specifications

1. The MICROPAK Disposable Module (MPDM) shall be a lightweight, low profile module as manufactured by Purolator Air Filtration.
2. The cell side of the module shall be constructed of anodized aluminum for added strength, and shall increase the stability of the housing protecting the filter from racking during installation and operation
3. Each MPDM shall be assembled with a mil finish aluminum plenum back.
4. All modules shall have a centerboard, one port to measure static pressure, and an adjustable diffusion plate.
5. Each standard MPDM shall have a 62% open, 24-gauge white (painted) epoxy grille, as well as four hanging supports with a 10" or 12" inlet (please specify when ordering).
6. The MICROPAK mini-pleat design shall eliminate the need for aluminum separators and media-to-media contact often associated with media tearing and shedding.



7. A clean seal between the filter pak and frame eliminates urethane wicking.
8. With a total height of 8" the MPDM shall offer a special low profile feature, including duct inlet.
9. Each MPDM shall be tested for pressure drop and shall be scan tested.



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Features

1. The MICROPAK mini-pleat design
2. Anodized extruded aluminum frame.
3. Urethane sealant
4. Low profile
5. Testing
6. Quality Control

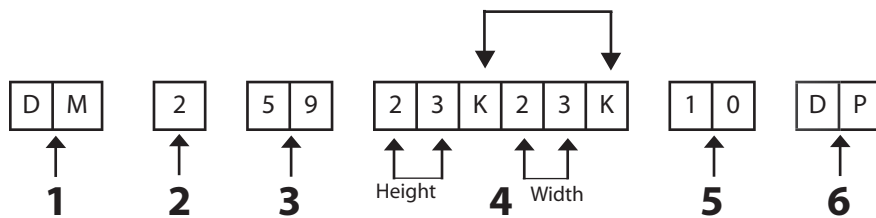
Benefits

- 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 pack and frame so no wicking of the urethane sealant shall occur.
- Total height is <8" , including duct inlet.
- Each MPDM is tested for pressure drop, and is scan tested.
- All modules shall be manufactured in an ISO9001/2000 facility.

Ordering Information

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

Alphanumeric Dimensions



Section 1: Type of Product

DM = MICROPAK Disposable Module

Section 2: Pak Depth

2 = 2-inch pak

Section 3: Efficiency

59 = 99.9995% on .12 micron
99 = 99.99% on .3 micron (scan tested)

Section 4: Frame dimensions (height/width)

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

For example, 23K = 23 5/8" and 47K = 47 5/8"

Section 5: Inlet Size

- * 08 = 8"
- 10 = 10"
- 12 = 12"
- * 14 = 14"
- * Contact factory for pricing/drawing availability

Section 6: Options

For more than two options, contact factory
FD = Permanent distribution plate and non-centerboard
DP = DOP port (NOTE: This port is not recommended for injecting an upstream challenge)
OG = No grille

P-MICROPMOD-308



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