



PMA 90 Filter

PMA 90 Air Filters are 95% efficient final filters with a unique minipleat design that has twice the amount of media of our leading competitor. The PMA 90 Filters can be used for filtration systems needing high efficiency and minimal filter depth, including: computer, electronic control, and switch gear rooms; paper mills, refineries, steel mills, chemical and pharmaceutical manufacturing plants.

FILTER DESIGN

PMA 90 Filters have a unique minipleat design with adhesive bead separators that allow for twice the number of pleats in the same area and eliminate the need for aluminum separators. Dual density design for the mat ensures full media utilization, higher dust holding capacity, and extended filter life. This dual density media is composed of microfiber-glass paper, treated with a specially formulated, water repellent binder. Millions of fibers are constructed into a graded density mat with course fibers upstream and finer fibers on the air-exiting side.

FILTER ADVANTAGES

- *Holds 107 square feet of media - twice as much as leading competitor*
- *Longer time between replacements - service life is twice as long as leading competitor*
- *Efficiency is 95% based on ASHRAE test standard 52-76 - efficiency is over 10% higher than leading competitor*
- *Depth is 5 inches- no need to retrofit - direct replacement to leading competitor*
- *No possibility of damaging downstream equipment because of front and back faceguard*

RELATED EQUIPMENT

ProMark provides a wide range of solutions for gas phase IAQ problems. **Side Access Housings** are built to client specification from a standardized design and can include multiple stages of filtration, fans and media. **Deep Bed Scrubbers** are used for heavy duty gas phase filtration in industrial plants, built to include all aspects of HVAC requirements. **Recirculation/Pressurization Unit** is designed to clean particulates and gases from rooms in corrosive environments and pressurize where needed.

YOUR COMPLETE SOURCE FOR GAS PHASE FILTRATION

- *Media for all types of applications (KMnO₄ on alumina, plain carbon, impregnated carbon)*
- *Equipment design and supply*
- *Laboratory support, media testing, coupon analysis*
- *Monitoring instruments*
- *Technical support for application and design*



**PROMARK
ASSOCIATES, INC.**

Complete Source for Gas Phase Filtration

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FILTER SPECIFICATIONS

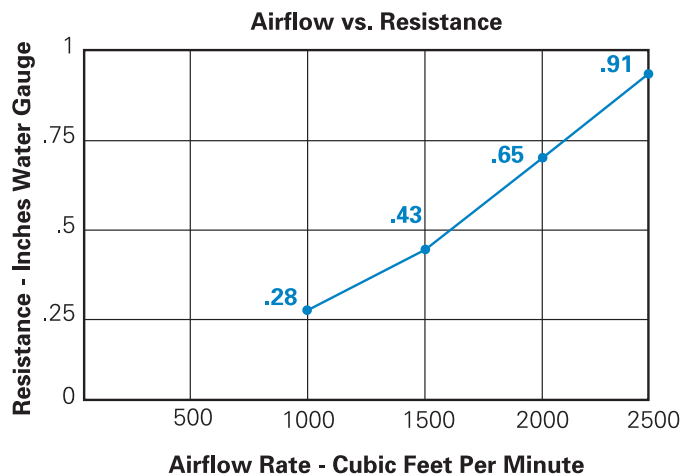
	PMA 90.4	PMA 90.2
Nominal Size, inches	24 x 24 x 5	12 x 24 x 5
Actual Size, inches	23.5 x 23.5 x 4.81	11.5 x 23.5 x 4.81
Efficiency	95%	95%
Arrestance Average Dust Spot	98%	98%
ASHRAE Dust Holding Capacity, grams	145	72
Media Filter Area, sq ft	107	53
Air Flow Capacity, CFM	2000	1000
Rated Initial Resistance, IN. W.G. @ 250 fpm	0.28	0.28
Recom. Final Resistance, IN. W.G. @ 250 fpm	1.50	1.50
Faceguard Front and Back	YES	YES
UL Class 2 Approved	YES	YES

PACKAGING

PMA 90.4 Filter is packaged two per box.

PMA 90.2 Filter is packaged four per box.

CLEAN DEVICE



ADDITIONAL INFORMATION AND RELATED EQUIPMENT

- **PMA Media Selection Chart** - lists specific gases that are controlled by ProGuard 200 media (potassium permanganate on alumina) as well as gases controlled by ProGuard 700 carbon and other media, either alone or in a blend.
- **PMA 12 & 18 Media Modules** - refillable steel, standardized modules that hold the ProGuard media for use in housings.
- **PMD 12 & 18 Media Modules** - disposable modules that are filled at the factory with any of the ProGuard media.
- **PMA Trays** - refillable steel trays that hold media for installation in various housings.
- **Honeycomb Disposables** - directly replace refillables and can be filled with any of the ProGuard media.
- **Carbon Bonded Disposables** - activated carbon in a bonded block disposable filter, suitable for high purity applications; more carbon per panel than a comparable loose fill. Eliminates metal and labor to empty and fill metal trays.