



Diffusion Max

Clean Air Solutions for a Perfect Finish

ATI, Introduces Diffusion Max: Superior supply air filtration with "Zero tolerance" ... for paint booth air turbulence!

Diffusion Max media helps to equalize airflow across the booth

Decreasing pockets of turbulence and protecting painted surfaces. It is the result of more than five years of intense development and testing, and is the latest addition to a broad line of air make-up products for paint spray booths

Diffusion Max is high-purity filter technology

From the way it's made to the way it's inspected and packaged, every process is designed to protect your final product.

Diffusion Max is Manufactured...

Using progressively structured, resin bonded synthetic fleece. Each individual fiber - not just those at the surface - is coated with a special non-migratory tackifier for maximum contaminant retention over time.

The media is progressively denser from the air entering to air-leaving side to provide best-possible depth-loading and full media utilization. A protective scrim backing enhances efficiency and structural integrity. Each galvanized steel support frame is hand-wiped to eliminate microscopic dirt on steel wires and prevent contamination of parts.



Every Diffusion Max product receives a final quality inspection, a step that is distinctive in the industry.

As a final step in the quality process, all products are supplied in plastic bags, which have been crater tested to guard against the possibility of silicon contamination.



Diffusion Max is a high-performance, self-extinguishing filter technology.

It is manufactured in blankets, panel filters and cut-to-size pads. The ATI Diffusion Max line of panel filters can be manufactured with the option of an exposed cross-wire for easy installation. The media is made in three grades for compatibility with both your facility's air quality standards, and newer paint technologies, such as advanced clear coats. **All are stocked for immediate delivery.**

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Diffusion Max ATI-600

1" nominal thickness and offers the advanced performance demanded by clear coat and other high-level filtration applications such as automotive plants. It is ideal for installation in the ceiling of downdraft spray booths and is held in place by the existing booth structure. Diffusion Max ATI-600 delivers 99.3% initial fractional efficiency at 7.0 to 10.0 microns, and 100% efficiency at 10+ microns, per ASHRAE 52.2 it is a U.L. 900, Class 2 and Class 1 media, with peak temperature resistance of 250°F and continuous temperature resistance at 212°F.

Diffusion Max ATI-300

Is a 1/2" nominal thickness and is an economical alternative for applications requiring regularly scheduled change out. It can be installed in ceiling systems, or in the doors or walls of crossdraft booths. It provides slightly less air flow resistance, which may be beneficial for higher air velocity systems. In ASHRAE 52.2 test, Diffusion Max ATI-300 provided 98% initial fractional efficiency at 7.0 to 10.0 microns. This U.L. Class 2 and Class 1 media offers peak temperature resistance of 250°F and continuous temperature

resistance at 212°F.

Diffusion max ATI-1

Is a 1/2" nominal thickness. It is a dual layer filter well-suited in a wide range of applications from large aerospace booths to autobody shops. Its high dirt retention design holds contaminants firmly, where booth vibration will cause ordinary filters to release contaminants into the booth. In ASHRAE 52.2 tests*, Diffusion Max ATI-1 demonstrates 95% initial fractional efficiency at 7.0 to 10.0 microns. This U.L. 900, Class 2 media provides peak temperature resistance of 250°F, and continuous resistance at 212°F.

No matter what your requirements for filter performance and service life, there's an ATI product that provides exactly the combination you need

The ATI Advantage Fast Lead Times, Reduce Inventory!

- The average lead time on all ATI orders (including the new Diffusion Max line) is **three days**.
- This is the best in the industry. **Save time and dollars** by allowing ATI to quick ship to your facility.
- Carry less inventory and **order product only as you need it.**

ATI-DIFFMAX-508



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