

Retrofit any batch
or drum



- No Smoke
- No Odor
- No Fumes
- No Chemicals
- No Problem!

The Simple,
Reliable,
Cost-efficient
WMA System
from the
Asphalt
Experts





Benefits:

- No smoke - no odor
- Quick & easy installation
- Retrofit ANY plant
- Easy to operate
- Lower fuel costs
- Reduce labor costs
- Improve worker safety
- Reduce emissions
- Run more RAP

Purchase for Less

The AQUA Black® System costs significantly less than most of the WMA systems currently available. In some cases, half the price. It is designed with simplicity and reliability in mind by the world's foremost experts in asphalt plant retrofit applications – MAXAM.

Quick and Easy Installation

The flexible system retrofits onto any plant and can be installed over a weekend. The unit comes completely assembled. Simply attach it to your A/C line, hook it up to a water source, install the control panel, and you're ready to go.

After installation, we offer a Field Technician to your site for two days of start up and training. Training takes only about an hour since operation is so simple. Once it's set up, you simply turn it on or off as needed.

Run More RAP

Lower temperatures means you can run more RAP and stay within the temperature limits of your baghouse.

Save Time

In field tests, AQUA Black® warm mix asphalt consistently reaches targeted compaction rates with fewer roller passes. It also enables paving in cooler weather, extends the paving season, and permits faster release of the pavement to traffic. As the air bubbles created in the foaming process are completely removed during the rolling and compaction process, superior in-place densities are achieved with less rolling effort. In some cases, 25% less.

Reduce Fuel Consumption

Lower temperatures means lower fuel consumption. Often as much as 15%. It also means the exhaust fan doesn't have to work as hard, saving energy spent on moving air.

Reduce Emissions

Lower fuel consumption translates directly into lower emission of greenhouse gases at the plant from drying and heating of the aggregate. The fumes and smoke at the plant load-out, and at the laydown site, are also eliminated.

Simplify Maintenance

Some WMA systems use 10 or more solenoids to control critical components. We thought simpler was better. We thought you'd rather be running your plant than running to get replacement parts.

Extend Equipment Life

Lower temperatures reduces the wear and tear on equipment; extends maintenance intervals and reduces overall maintenance costs.



Stainless Steel Foaming Gun



Components:

PLC Based Touch Screen Control Panel

The touch-screen Control Panel is mounted in the control house and easily connected to the metering system using multi-conductor cable. When the operator sets max tons on the control panel, the system automatically calculates the correct amount of water to be injected into the WMA, and sets the water pump drive to the proper output rate. A mass flow meter monitors flow rate and sounds a warning if it goes out of the optimum range.

High-pressure Variable Speed Metering System

The high-pressure variable speed metering system comes completely pre-piped and prewired, and is enclosed in a weather tight enclosure. The enclosure is heated for cold weather operation. The system is equipped with an automatic compressed air purge that cleans water out of the delivery line upon shutdown to prevent freezing.

AQUABlack® Foaming Gun

The AQUABlack® all stainless Foaming Gun comes with all required water hose and hot oil jumpers for installation. It is inserted into the existing a/c line just prior to entering the drum. Access nozzle service ports means that no disassembly is required for inspection of your system.

AQUABlack® Solutions features:

- High volume foaming with MicroBubble™ technology. Any system can produce foam, but it's the microbubbles that stay in the mix throughout the mixing, hauling and paving process.
- Automatic PLC based touch screen control
- Enclosed and heated for all weather operation
- Stainless construction to eliminate corrosion. The stainless steel mixing diffuser provides even distribution of the water throughout the liquid asphalt.
- Built for 1,000 psi operating pressure
- No moving parts in the meter. This meter will not plug or fail from scale or particulate in the water.
- The high-pressure system enables low water-to-liquid-asphalt ratio during foaming and creates the microbubbles which stay in the mix until compaction.



Water jets are easily accessed from the outside so maintenance is quick and easy.



Will you go back and forth between hot and warm mix asphalt?

If so, you need to take precautions to protect your baghouse. Here's why: The lower exhaust temperature from WMA can cause condensation in the baghouse, creating acid rain that will damage your equipment, and mud-cake the bags - saddling you with high replacement costs and unnecessary down-time. You need an effective way to control the stack temperature to protect your baghouse. The answer is the patented MAXAMizer® Heat Recovery System. It automatically maintains proper stack temperature +/-5°, and typically saves 5-to-10% in fuel consumption.

Being More Competitive in a Go Green Business Climate

Go Green or Go Home

More and more jobs are being specified with a WMA option. If you can't offer WMA, you may not qualify to even bid on a lot of jobs in the future. You don't have to be on the outside looking in. The AQUABlack® WMA System easily retrofits onto any manufacturer's asphalt plant, and it can be installed on yours in just two days.

Going Green is Good Business

The AQUABlack® WMA System opens doors by allowing you to bid on jobs specified as WMA only. It makes your company more neighborhood friendly by reducing fumes and pollutants. It makes you a more responsible/credible member of the business community; and it helps you attract and retain good employees. If you had your choice of working on a HMA crew or a WMA crew, which would you choose?

Protect Workers and Your Business

While the adverse affects of breathing asphalt fumes are negligible, OSHA, NIOSH and the EPA continue to conduct studies to gauge its affect on health. NIOSH says additional studies are needed to better characterize occupational exposures to asphalt fumes, vapors and aerosols. Why wait? Move to WMA now with the easy-to-implement system – AQUABlack®.



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