

What kind of Fogmaster  
fogger do you **need?**



Indoors or out, it's fogging to go. Anywhere.

# Fogmaster hand held foggers

Hand held foggers are for smaller sites or applications requiring portability. Most have a one gallon (4-liter) tank and adjustable angle power head, and are compatible with the 6100 turntable (see *Accessories*).

These durable units require little maintenance; just drain liquid from internal lines after fogging. Standard fittings are brass; stainless steel is optional for many models.

Take your choice from:

### Fogmaster Jr. 5330

Small and highly maneuverable, the Jr. is used to freshen air in hotel rooms, remove odors from cars, apply coil cleaners to AC systems, etc. It's also a great utility fogger for hydroponics and home gardeners.

It has a 1-quart tank, a discharge range



5330 Fogmaster JR

of 6-8 ft and adjustable output from an intermediate to wet fog.

### Pow-R-Jet 6309

For a fog with a constant droplet size, choose the Pow-R-Jet. It uses a precision orifice, not an adjustable valve, so fog properties are the same each time.

With orifices available in many sizes, the Pow-R-Jet can deliver a heavy, wet mist that settles quickly; a dry fog that floats widely; or anything in

between. Specify a single orifice, or get several sizes with easy, quick change connectors.

### Noz-L-Jet 7807

The 7807 features a hose and wand for "target" applications – applying biocides to air conditioning ducts, insecticides to wall voids and above ceilings, or anti-mold chemicals to attics or crawl spaces – without fogging the entire room.

A one-turn valve on the power head adjusts droplet size, and a thumb valve on the wand provides one-hand control of output for "spot" treatments. Two wands are available: a 16 inch straight wand; and a 38-inch curved wand. No bending, no ladders.

### 6309 POW-R-JET



### 7807 NOZ-L-JET WITH SHORT WAND



We make the foggers that make your life easier

### Fogmaster Tri-Jet 6208

Useful for both large and small areas, and of course for both water- and oil-based liquids, this workhorse controls flies and mosquitoes, sanitizes and disinfects, applies carpet mildew controls, and neutralizes odors, including flood and fire damage restoration. A one-turn valve controls droplet size. Fog droplets range from intermediate to heavy wet. Output distance is about 25 ft.



**6208  
FOGMASTER  
TRI-JET**

### Micro-Jet ULV 7401

A precision needle valve gives excellent control of droplet size down to the near-invisible 4-8  $\mu$  droplets required for ULV chemicals, reducing application time and labor. Fog penetration in still air is 40-50 ft. At higher flow settings, the Micro-Jet can deliver large droplets for dust abatement or sanitizing. The ability to generate a full gamut of fog types makes it ideal for users with multiple applications,

including pest control operators, schools, hotels and warehouses.

The Micro-Jet ULV is also available with a 2410 RH Controller (see Accessories) to humidify hobbyist greenhouses, small barrel rooms and plant propagation rooms.



**7401  
MICRO-JET  
ULV**

### Vectra-Jet ULV 7505

The Vectra-Jet excels in disinfection, sanitizing and application of aggressive chemicals.

It features a stainless steel tank and Viton® tubing for superior chemical resistance, and a high efficiency filter to protect its inner workings. The 9-turn needle valve delivers droplets reliably in the ULV (ultra low volume) range as well as larger droplets at higher settings.

Discharge range is 40-45 ft. It is compatible with the 6100 turntable and with all Fogmaster timers.



**7505 VECTRA-JET ULV**

# Sentinel

## industrial fogging systems

Sentinel foggers are modular units, with rainproof enclosures and stainless steel hardware for “bolt-to-the-wall” installation. Fogging liquid is stored centrally, away from operational areas, and supplied to the fogging units in low pressure tubing or PVC pipe.

You can put fogging heads wherever you want, operate them individually or in groups, and specify either electric or hydraulic control. The electric option uses a low voltage signal to activate the fog head. Under the hydraulic setup, a fog head operates whenever liquid is supplied to it.

Sentinel units can apply concentrates or pre-diluted chemicals. Pre-diluted liquids, whether “ready-to-use” or mixed on site, usually require a small transfer pump. Concentrates do not need a pump; they can be diluted to final strength, in line, with the 5250 proportional injector (see *Accessories*).

Control options for Sentinel units include: on-off switch; interval timer; programmable 7-day clock; and humidity sensor.

### Sentinel 5500

The 5500 fog head has two nozzles, each with 180° adjustable angle for coverage out 30-40 ft. With wall mounting and no chemical drum nearby, it is well suited for composting plants, waste transfer stations and similar applications involving heavy equipment.

### Sentinel 5600

The 5600 has one nozzle at the end of a 15, 25, or 35-foot hose. It is designed to apply chemicals to such enclosed spaces as lift stations, head works and stacks. An inline check valve prevents backflow of corrosive gases into the power head. The hose and nozzle assembly may

be hung from above, inserted into a side wall or attached with an optional mounting flange.

### Sentinel 5700

The 5700 targets corrosive or dusty environments with check valves built into each fog nozzle to prevent backflow of corrosive gases to the motor enclosure. It draws clean intake air from a customer-supplied air plenum or oversized filter.

### Sentinel 5850

The Sentinel 5850 is designed for high duty-cycle applications – maintaining humidity in factories and wine barrel rooms; dispensing odor controls in sewer plants, composting facilities and waste transfer stations; fumigating warehouses; neutralizing chemicals in fume hoods and exhaust stacks; and applying sanitizers and germicides to clean rooms, slaughter houses and food packaging facilities.



5700 SENTINEL



5500 SENTINEL



5600 SENTINEL

We make the foggers that make your life easier



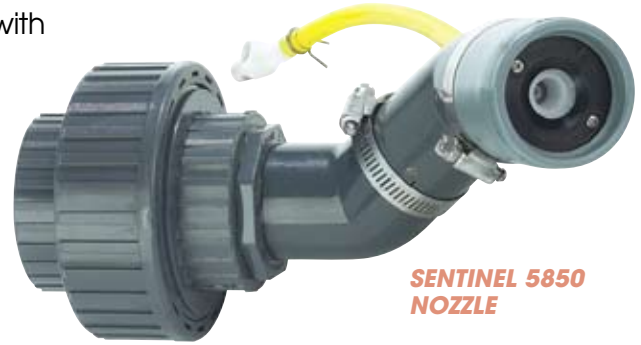
**SENTINEL 5850  
CONTROL MODULE**

The control module regulates liquid flow, timing and droplet size. Control options include: repeating cycle timer; one-shot (countdown) timer; programmable

day/week timer with repeating cycle capability; and relative humidity. And the optional "E" modification lets your equipment – process computer, building automation system, odor monitor or switch – control fog application.

Fog nozzles have a discharge angle adjustable through 180° and fog discharge up to 50 ft. They attach to the air supply through a 2-inch PVC union.

Air is provided by a regenerative blower and brushless motor. This robust



**SENTINEL 5850  
NOZZLE**

design is favored for applications demanding low maintenance, high reliability and long operating hours. In clean rooms, refrigerated warehouses and other locations that must exclude outside air, the blower is piped to draw air from inside.

Blower size depends on the number of nozzles: 1 hp for 1-2 fog nozzles; 2.5 hp (3-4 nozzles); 4.5 hp (5-6 nozzles); and 7 hp (7-10 nozzles).

A Sentinel unit lets you put fog heads or nozzles wherever you want them while feeding them liquid from a central source, away from operational areas.



**SENTINEL 5850  
BLOWER MODULE**

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*THE BLOWER AND THE CONTROLLER CAN BE REMOTE FROM THE NOZZLES.  
THE FOGGING NOZZLE, CONNECTED TO THE AIR SUPPLY WITH LOW PRESSURE PIPE,  
CAN BE POSITIONED ANYWHERE AND BE AIMED THROUGH 180°.*

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# Fogmaster <sup>drum mount</sup> foggers

equipment. It allows use of more concentrated products at small droplet settings for shorter application times and excellent penetration into tight areas.

Fogmaster drum mount (DM) foggers attach to a 30- or 55-gallon chemical drum (not included). This large chemical supply makes DM foggers ideal for heavy-duty fogging of large areas — waste water treatment plants, landfills and

warehouses. Just put into position and turn on, or control output with one of our timers. Choose from among the following:

## **Pow-R-Jet DM 6329**

This rugged unit applies chemicals, deodorants and other liquids as a wet fog or mist. It's used for asbestos removal and dust settling applications. For applications requiring smaller droplets, we offer optional flow limiting orifices. Like all our "cold" foggers, it handles both water- and oil-based solutions.

**6329 PowRJet DM**



**7421 MicroJet DM**

landfills, sewage treatment plants, production agriculture and similar large sites.

## **Micro-Jet ULV DM 7421**

The Micro-Jet ULV DM offers precise control of droplet size, from a dry ULV droplet up to the larger particles of conventional

## **High-Jet DM 3290 and Sewr-Jet DM 4180**

These products have a nozzle at the end of a 15-, 25- or 35-foot hose. They are designed to control odors in lift stations, smokestacks, flues and AC ducting. A valve on the power head regulates fog droplet size, from a ULV dry fog to a heavy wet fog.

The nozzle can be suspended from above, attached to a pit cover, mounted through a side wall or converted to a flange mount with an optional duct adapter. A transfer pump is required if the nozzle is more than 6 ft above the base of the drum.

A solenoid valve in the 3290/4180 prevents reservoir siphoning in below-grade or "downhill" situations; in overhead installations, it ensures that liquid is immediately available.

In addition, the 4180 incorporates backflow prevention on the air line to keep corrosive gases from the power head. It is used for odor control in head works, sewer lift stations, and similar enclosed spaces.

## **Pow-R-Jet Plus DM 6428**

Mechanically identical to our 6329 model, but includes a one-turn control valve to adjust liquid output and droplet size (intermediate fog to heavy wet fog). The dispensing rate can be calibrated in the field. Extensively used for odor control in solid waste transfer stations,



**3290/4180 HighJet/SewrJet DM**



**6428 PowRJet Plus DM**

We make the foggers that make your life easier

# Fogmaster accessories

**6100 Turntable** rotates at three rpm to ensure uniform fog distribution. It is



**6100 TURNTABLE**

compatible with the 6208, 7401, 6309 and 7505, and available with international plugs and receptacles. 120 VAC (P/N 610010); 240 VAC (P/N 610020).

**7304 Countdown Timer** is spring-activated (twist knob to set). Useful for fogging at the end of a



**7304 TIMER**

workday so fumigation is done while everyone is gone. May be used with the 6100 turntable. 60 minutes maximum.

**2238 Repeat Cycle Timer** for applications requiring intermittent fog discharge. Independent ON and OFF

**2238 REPEAT CYCLE TIMER**



cycles (1-100 minutes each) are set with 1-turn knobs. Compatible with all foggers. International plugs and receptacles available. 120 VAC (P/N 223810); 240 VAC (P/N 223820)

**2239 Programmable Timer** provides a seven-day clock with six independent programs so you can match the day, time and duration of fogging to your operating needs.

Independent ON and OFF times can be set from 1-165 minutes. International plugs and receptacles available. 120 VAC (P/N 223910); 240 VAC (P/N 223920)



**2239 Programmable Timer**

**5250 Proportional Injector** injects chemical concentrate to water at the correct dilution, in line, as it is being applied. This eliminates mixing labor and the need for a transfer pump. Dilution accuracy is better than 98%, independent of flow. A single 5250 can support multiple Sentinel fogging units.

Four models of the 5250 provide dilution capability from 1:5 down to 1:1500. Each has a



**5250 PROPORTIONAL INJECTOR**

vernier adjustment to set the exact strength.

**7100 Cart** adds wheels to the Sentinel 5850 so you can move it easily. It holds a 1 hp blower, control module and nozzle, plus room for chemical container, 5250 injector and water supply tubing.

**2410 Relative Humidity Controller** energizes an outlet receptacle (10A)

when the relative humidity drops below the setpoint (adjustable, 20-95% RH). International plugs and receptacles available. 120 VAC (P/N 241010); 240 VAC (P/N 241020)

A 2410/7401 package for humidity control in rooms to 600-800 sq.ft. includes a tank with float valve for automatic filling, icemaker-style fittings and water supply tubing.

## Parts, Motor Brushes

Fogmaster foggers last for years, but if you need a part you can count on us. We support old models, including motor brushes of both conventional and MOTOR SAVER design. MS brushes are standard in DM and Sentinel 5500-5700 units.

# What kind of Fogmaster fogger do you need?

Fogmaster foggers atomize liquids into small droplets. They are an excellent way to apply chemicals – either water- or oil-based – at low coverage rates and widespread dispersion.

These low maintenance machines can produce a wide range of droplet sizes. They can be used indoors or outdoors. And because our vortex atomization nozzle has no small orifices, plugging is never a problem.

## Droplet Size

A fog contains a range of droplet sizes – many small ones, some mid-sized and a few large ones. We use the size of an “average” droplet (VMD) to characterize a fog, or we describe it qualitatively – “wet” or “dry” – according to its tendency to wet a surface.

Dry fogs (VMD less than 15-20  $\mu$ ) have a long float time, mix efficiently with air and minimize wetting. However, they can evaporate quickly, particularly if the humidity is low. Dry fogs are favored for such applications as odor control and insect control.

Wet fogs (25-40  $\mu$ ) settle more rapidly and do not diffuse as widely. They are used to apply a thin film of liquid to surfaces in applications like sanitizing, disinfecting and mold remediation.

## Where are Fogmaster foggers used?

Our cold fogging machines are used in wide-ranging applications, including:

- Pest control in homes, warehouses and yards
- Odor control at waste treatment plants, lift stations, solid waste transfer stations, warehouses and production agriculture (swine, poultry, etc)
- Sanitizing hospital rooms, veterinary clinics and food processing facilities
- Applying biocides, sealants and coil cleaners to HVAC systems and ducts
- Humidification – winery barrel rooms, woodworking shops, concrete curing, factories
- Removing smoke and other odors from hotel rooms, banquet halls, apartment buildings and automobiles

- Mist generation in nursery propagation and mist houses
- Remediation and damage restoration – smoke, mold, water, asbestos.

## International Support

Fogmaster products comply with international electrical safety and EMI standards. They are available in all major plug configurations for 100-120V and 200-240V, 50/60Hz power systems.

## Tips for Safe Operation

Don't inhale small droplets. Follow the chemical manufacturer's instructions for use. Wear a mask or recommended protective equipment. Avoid exposing others.

Do not fog toward or near an open flame. Do not fog flammable liquids. When a combustible liquid is sprayed, there is a danger of fire or explosion, especially in a closed area.

## Find Out More About Fogmaster Foggers—Fast

Got questions? See our web site for detailed specifications or contact one of our Customer Service assistants. When it comes to foggers, we're here to help make your life a little easier.

**THE**  
**Fogmaster**  
CORPORATION  
We make the foggers that make your life easier.

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**Always read and follow use instructions on the chemical label.**