



# DRAMM pulsFOG®

## GREENHOUSE

The PulsFOG thermal fogger is perfect for the rapid application of greenhouse chemicals. Designed to expel chemicals at great distances and speed, the PulsFOG reduces application time and ensures even coverage of all surfaces with a highly dense, visible fog. Perfect for the application of insecticides, fungicides, and disinfectants.

The PulsFOG can treat large or small areas rapidly, with the largest machines able to treat up to 300,000 square feet in 45 minutes.

PULSFOG MODEL	WEIGHT EMPTY	OUTPUT TIME	DISTANCE CHEM PROPELLED	CHEM. TANK CAPACITY	FUEL TANK CAPACITY
K-10	18 lbs	10L/45 Min	VK-1 100 ft	10 liters	2 liters
Portable, 1 Nozzle			VK-2 45 ft	2.6 gal	0.5 gal



K-10

PULSFOG MODEL	WEIGHT EMPTY	OUTPUT TIME	DISTANCE CHEM PROPELLED	CHEM. TANK CAPACITY	FUEL TANK CAPACITY
K-22G	18 lbs	10L/30 Min	VK-1 160 ft	10 liters	2 liters
Portable, 1 Nozzle			VK-2 65 ft	2.6 gal	0.5 gal



K-22G

PULSFOG MODEL	WEIGHT EMPTY	OUTPUT TIME	DISTANCE CHEM PROPELLED	CHEM. TANK CAPACITY	FUEL TANK CAPACITY
K-3	25 lbs	10L/15 Min	VK-1 200 ft	10 liters	2 liters
Portable, 2 Nozzles			VK-2 100 ft	2.6 gal	0.5 gal



K-3

PULSFOG MODEL	WEIGHT EMPTY	OUTPUT TIME	DISTANCE CHEM PROPELLED	CHEM. TANK CAPACITY	FUEL TANK CAPACITY
K-3/20	25 lbs	30L/45 Min	VK-1 200 ft	30 liters	20 liters
Portable, 2 Nozzles			VK-2 100 ft	7.8 gal	5.2 gal
K-3/20F	42 lbs	30L/45 Min	VK-1 200 ft	30 liters	20 liters
Frame Mounted, 2 Nozzles			VK-2 100 ft	7.8 gal	5.2 gal



K3/20

K-3/20F

**PulsFOG BIO UNITS**– For use with heat sensitive chemical and biological agents. A second injection system consisting of an additional tank and set of nozzles uses plain water to cool the exhaust allowing many heat sensitive products to be fogged without damage. Additionally, the use of a second tank allows for larger areas to be treated without refilling. Please consult the manufacturer or Dramm for approved chemicals.

PULSFOG MODEL	WEIGHT EMPTY	OUTPUT TIME	DISTANCE CHEM PROPELLED	CHEM. TANK CAPACITY	FUEL TANK CAPACITY
K-30/20BIO	67 lbs	30L/45 Min	VK-1 200 ft	2– 30 liter tanks	2– 20 liters
Non-Portable, 4 Nozzles			VK-2 100 ft	2– 7.8 gal tanks	2– 5.2 gal



K-30/20 BIO



**PULSFOG® DILUENT SOLUTIONS:** For best results, the PulsFOG requires the use of carrier solutions- or fog enhancers. These solutions help to create more even particle size, distribute the solution throughout the area, and retard evaporation of fog droplets. While Dramm manufactures VK-II additive, other additives are available. Some chemicals may not require additional carrier solutions due to their formulation. Check with the chemical manufacturer or Dramm for more in-depth information.

### VK-1 CARRIER SOLUTION

VK-1 is used with E.C. chemicals only and is safe for all ornamental plants. Never Mix Water with VK-1. Plants should be dry and remain dry for 8 hours. VK-1 fumigates your greenhouse, it allows solution to travel farther, treat larger areas, and hang in the air longer. VK-1 mixtures will be airborne for approx. 6 hours. It is very effective for lying insects: white fly, thrips, and leaf minor.

#### **RATES FOR VK-1**

1 Liter VK-1 Carrier Solution  
Chemical for 10,000 Square Feet  
Apply above 1 liter of mix into 10,000 square feet of area

### VK-2 CARRIER SOLUTION

VK-2 Must be Mixed with Water. It is for use with W.P.'s (Wettable Powders), S.P.'s (Soluble Powders), L.F.'s (Liquid Flowables), and with E.C.'s (Emulsifiable Concentrates). VK-2 with Water Mixtures will be Air Borne for Approximately 1 Hour Before Fallout occurs.

#### **RATES FOR VK-2 • Summer – Fall – Winter**

1/2 Liter VK-2 Carrier Solution  
1 1/2 Liters Water  
Chemical for 10,000 Square Feet  
Apply above 2 liters of mix into 10,000 square feet  
Apply the total of 3 liters above into 30,000 square feet

#### **RATES FOR VK-2 • SPRING & SENSITIVE BLOOMS**

1/2 liter VK-2 Carrier Solution  
2 1/2 liters Water  
Chemical for 30,000 Square Feet  
Apply 1 liter of above mix into 10,000 square feet  
*(note: may cause damage to some spring blooms)*

### NutriFOG

NutriFOG is a 10-3-3 Foliar Fertilizer. It can be used with all chemical formulations. It is safe on all ornamentals. **Do not use more than five times in one month on the same crop.**

#### **RATES FOR NutriFOG**

0.25 Liters NutriFOG Solution  
1.75 Liters Water  
Apply above mix into 10,000 square feet of area

### FUNCTIONS PERFORMED BY VK-1, VK-2 and NutriFOG CARRIER SOLUTIONS

- Stabilize Fog Droplets and Retard Absorption of Fog into the Atmosphere
- Greatly Increases the Distance Fog Can be Propelled
- Decreases Molecular Weight- Allowing Particles to Float in Air for 1 Hour Using VK2 & Up to 6 Hours Using VK1
- Improves Overall Distribution of Fog
- Improves Uniformity of Fog Solution Droplet Size

**ALL CHEMICALS which are E.C.'s, W.P.'s, S.P.'s or L.F.'s CAN BE FOGGED FROM A PULSFOG® WHEN MIXED WITH VK-1 or VK-2 CARRIER SOLUTIONS**

***the exceptions are:***

- Any chemical in which the label prohibits its use in Low-Volume applicators
- Granulars- which are applied dry and should not be used
- Encapsulated Slow Release Chemicals should not be used because they become stringy/sticky and clog up the PulsFOG®
- Heat Sensitive Products where the heat from the combustion may damage the active ingredient. (Note: these products may be used in the PulsFOG Bio units.)

*The Dramm Corporation has current information concerning the use of different chemicals. Contact Dramm or the chemical manufacturer when in doubt.*

### PFC PulsFOG CLEANING SOLUTION

PulsFOG Cleaning Solution is used after each application to neutralize chemicals and clean the chemical injection system.