

## Read all instructions before installation. Save for future reference.

### RESTRICTIONS

DO NOT INSTALL THE FOG GENERATOR IN THE SAME ROOM OR ZONE THAT IS BEING FOGGED. IF YOU HAVE NO OTHER ALTERNATIVE, MAKE SURE YOU USE THE FAN DUST PROTECTING FOAM FILTER INCLUDED IN THE BOX.

DO NOT OPERATE THE GENERATOR WHEN THE TEMPERATURE IS UNDER THE FREEZING POINT.

IF YOU USE A REVERSE OSMOSIS WATER FILTRATION SYSTEM: YOU MUST KEEP A MINIMUM OF 15 PPM (15 PARTS PER MILLION) OF DISSOLVED SALTS IN THE WATER FOR THE AUTOMATIC SAFETY SHUT-OFF WATER SENSOR TO BE OPERATIONAL OTHERWISE THE FOG GENERATOR WILL NOT START.

### WATER SENSOR

This fog generator is equipped with an automatic safety shut-off water sensor. It will immediately turn off the unit if the water level is too low, preventing it from being damaged. It will instantly start up again when water is added. The fog generator will not work if the sensor is unplugged.

### INSTALLATION

Install the unit on the wall, making sure the wall plate is level. Using a 1/2" hose (12.70 mm) and hose clip, connect water supply to the water intake located on the right side of the unit. Open water supply. Wait until water stops filling the unit. Water level in the torch should be 1/4" (6 mm) higher than the window middle line. Using the hose end with the preinstalled adaptor, connect the fog hose to the fog exhaust outlet. Connect the white wire coming from the wall plate to the connector on the water container cover. Connect the transformer wire in the connector on the left of the wall plate and plug the transformer to the power supply.

ALWAYS install the transformer as far away as possible from the unit.

ALWAYS keep away from children and pets.

**WARNING** - If you attach a supplementary hose to the existing one, it must be positioned vertically or with a downward inclination to avoid water accumulation.

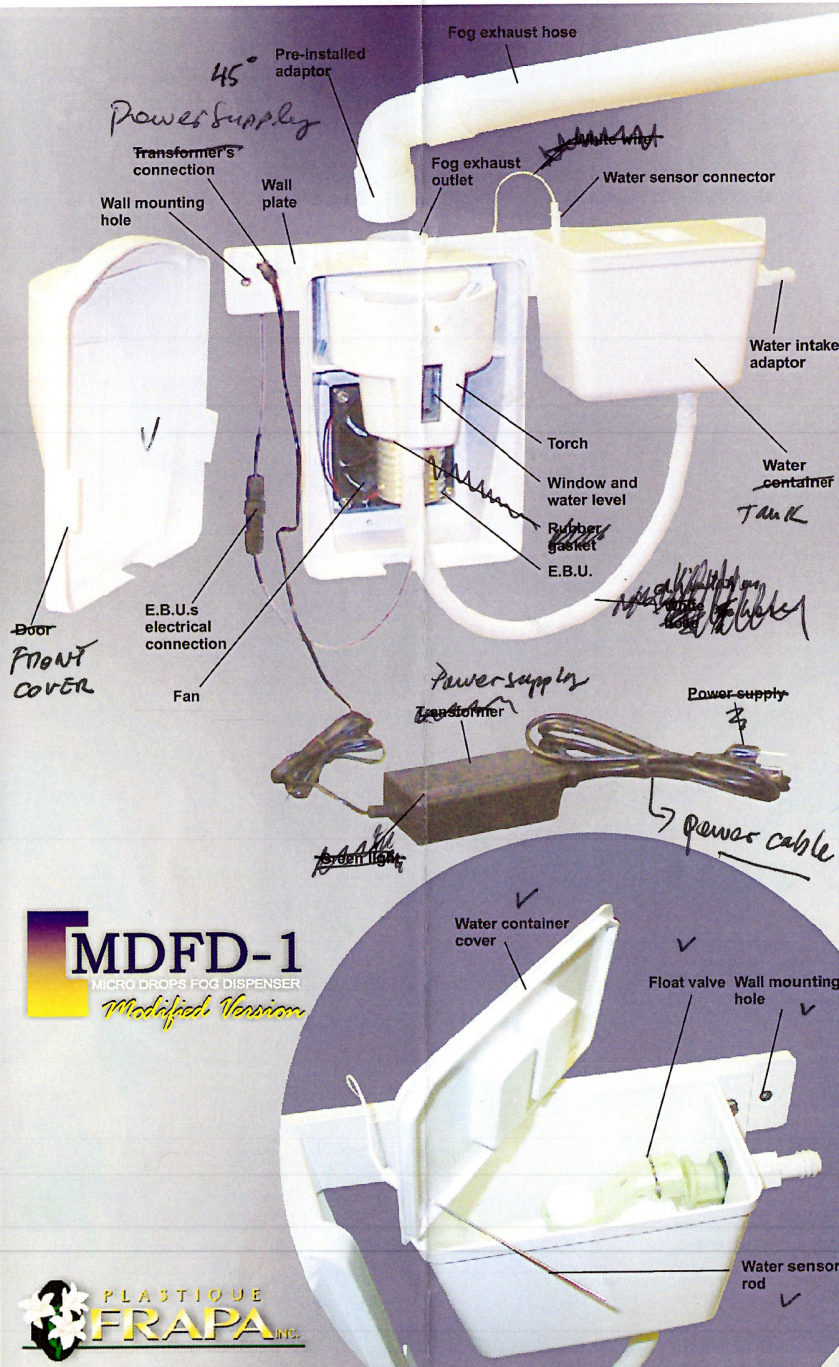
### CLEANING PROCEDURE

Unplug transformer from power supply. Disconnect fog hose. Close water supply. Open the door. Empty water from the system by removing the torch from its position and turning it upside down over an empty container. Disconnect E.B.U.'s electrical connection (on the left of the unit). Unscrew the E.B.U. from the torch and remove the rubber gasket. Clean the E.B.U.'s top surface with a lime or calcium remover and a soft tissue. DO NOT SCRATCH. Screw back in the E.B.U. with his rubber gasket. Clean also the tip of the water sensor rod (attach to the water container cover). Reinstall everything.

**WARNING** - If cleaning is not done regularly, the unit will stop working and may be damage.

### CHANGING AN E.B.U.

Unplug transformer from power supply. Disconnect E.B.U.'s electrical connection (on the left of the unit). Disconnect fog hose. Close water supply. Open the door. Empty water from the system by removing the torch from its position and turning it upside down over an empty container. Unscrew the E.B.U. from the torch and remove the rubber gasket. Screw in a new E.B.U. with its rubber gasket. Reinstall.



## Troubleshooting

- **Water doesn't enter the water container:** blocked float valve. Unscrew water intake adaptor and nut located on the right side of the water container. Remove the float and cutter pin. Clean the upper part opening and water intake channel.
- **Water enters the water container but not into the torch:** air in the white hose. Press on the hose to let air out.
- **Water doesn't stop entering the water container or too much water in the torch (higher than 1/4" (6mm) over the window middle line):** Float valve doesn't close. Too much water intake pressure. Lower pressure to 40-60 lb./in<sup>2</sup>. (275-415 kPa) using a pressure regulator, or remove float valve and cutter pin, turn the float clockwise for one (or more) turn. Reinstall.
- **Not enough water in the water container:** the tip of the water sensor rod doesn't touch the water. Not enough pressure at water intake. Raise pressure to 40-60 lb./in<sup>2</sup> (275-415 kPa) or remove float valve and cutter pin, turn the float counter clockwise for one turn. Reinstall.
- **Fog doesn't come out of the fog exhaust outlet but comes out of the torch:** close the door.
- **No fog but fan working:**
  - Is the water sensor connected?  
The white wire coming from the wall plate has to be connected to the water container cover.
  - Is the water container closed?  
The water sensor rod must be in contact with water.
  - Is the E.B.U.'s electrical connection plugged?
  - Is the E.B.U. dirty? See CLEANING SECTION.
- **No fog and fan doesn't work:**
  - Is the transformer plugged to the left of the wall plate, and directly in the power supply? (without any timers, humidistat, etc.).
  - Is the transformer's green light on?  
If not, unplug transformer from the wall plate, is the green light "on" now? If yes, unplug EBU electrical connection, unplug transformer from power supply. Reconnect transformer to wall plate and power supply. Is the green light "on" and fan working now?

### STORAGE

While installed, if you will not use the fog generator for more than a few days, the transformer should be unplugged from power supply, water supply should be turned off, water should be removed from the system and the EBU and water sensor rod should be cleaned, following Cleaning procedure.

### LIMITED LIABILITY AND NO LIABILITY FOR CONSEQUENTIAL DAMAGES

Notwithstanding anything contained herein to the contrary, in no event shall Plastique Frapa Inc. or its directors, officers, employees and agents, have any obligation or liability, nor shall you have any right, claim or remedy against Plastique Frapa Inc. for loss of use of any property, loss of revenue or profit, or for any other special, indirect, incidental or consequential damages, even if Plastique Frapa Inc. has been advised of the possibility of such or if such were reasonably foreseeable.

Other than the obligations of Plastique Frapa Inc. expressly detailed herein, in no event shall Plastique Frapa Inc.'s or in the aggregate any of its directors', officers', employees' and agents', maximum liability for any damages arising out of or related to any contract of sale between Plastique Frapa Inc. and you exceed the total price paid by you to Plastique Frapa Inc.



### LIMITED WARRANTY

One (1) year from date of purchase on parts and labour with proper functioning of the unit. Repair or replacement at our discretion. Shipping and handling at customer's expense. (Contact us for our return policy).  
LIMITED WARRANTY ACCORDING TO SPECIFICATIONS, CONDITIONS AND RESTRICTIONS.  
WARRANTY VOID IF MISUSED.



7m feet / m  
cube - Supratata  
Room  
10x10x8

## MDFD-1

Modified Version

### Technical Specifications

#### Single-Head fogger MDFD-1

Capacity (water consumption): 0.4 to 0.6 litre / hour  
Electrical specifications: input: 100 to 240 volts  
50-60 Hz  
1.6 amp. max

- 2 Water intake: 1/2" (12.70 mm)
  - 3 Fog outlet: 1 1/2" (38 mm)
  - 4 Dimensions: Length: 18" (457 mm)  
Width: 7" (178 mm)  
Height: 14" (355 mm) without fog hose
  - 10 Weight: 7 lb. (3.175 kg)
  - 6 Recommended water pressure: 40 to 60 lb. / in.<sup>2</sup> (275 to 415 kPa)
  - Waterproof fan.
  - 8 Fan dust protecting foam filter included
  - 6 Automatic shut off water sensor.
  - 4 Power surge protection
- In accordance with C.S.A. C.22.2 and U.L.998  
F.D.A. Grade (Food and Drug Approved):  
All components in contact with water and fog are  
made with FDA - grade plastic.  
Made in Canada.

## MDFD-6

Modified Version

### Other Products

#### 6-Head Fogger MDFD-6

Capacity (water consumption): 2.4 to 3.6 litres / hour  
Electrical specifications: input: 100 to 200 volts: 6.0 amp.  
200 to 240 volts: 3.5 amp.  
50-60 Hz

- Water intake: 1/2" (12.70 mm)  
Fog outlet: 6" (152 mm)  
Dimensions: Diameter: 23" (584 mm)  
Height: 26" (660 mm).  
Weight: 34 lb. (15.45 kg)  
Recommended water pressure: 40 to 60 lb. / in.<sup>2</sup> (275 to 415 kPa)  
Waterproof fan.  
Fan dust protecting foam filter included  
Automatic shut off water sensor.  
Alarm system.  
Power surge protection  
In accordance with C.S.A. C.22.2 and U.L.998  
F.D.A. Grade (Food and Drug Approved):  
All components in contact with water and fog are  
made with FDA - grade plastic.  
Made in Canada.

## Humidistat

#### Humidistat

Digital readout.  
Range: 0 to 100%  
Precision: 3%  
25 feet remote sensor (7.62 m)  
Extra-long sensor wire available.  
Non-condensing sensor.  
Replaceable sensor.  
Relative humidity displayed at all times.  
120 volts or 240 volts (50-60 Hz)  
15 amp. max  
C.S.A.—U.L.  
Made in Canada.

Manufactured by :



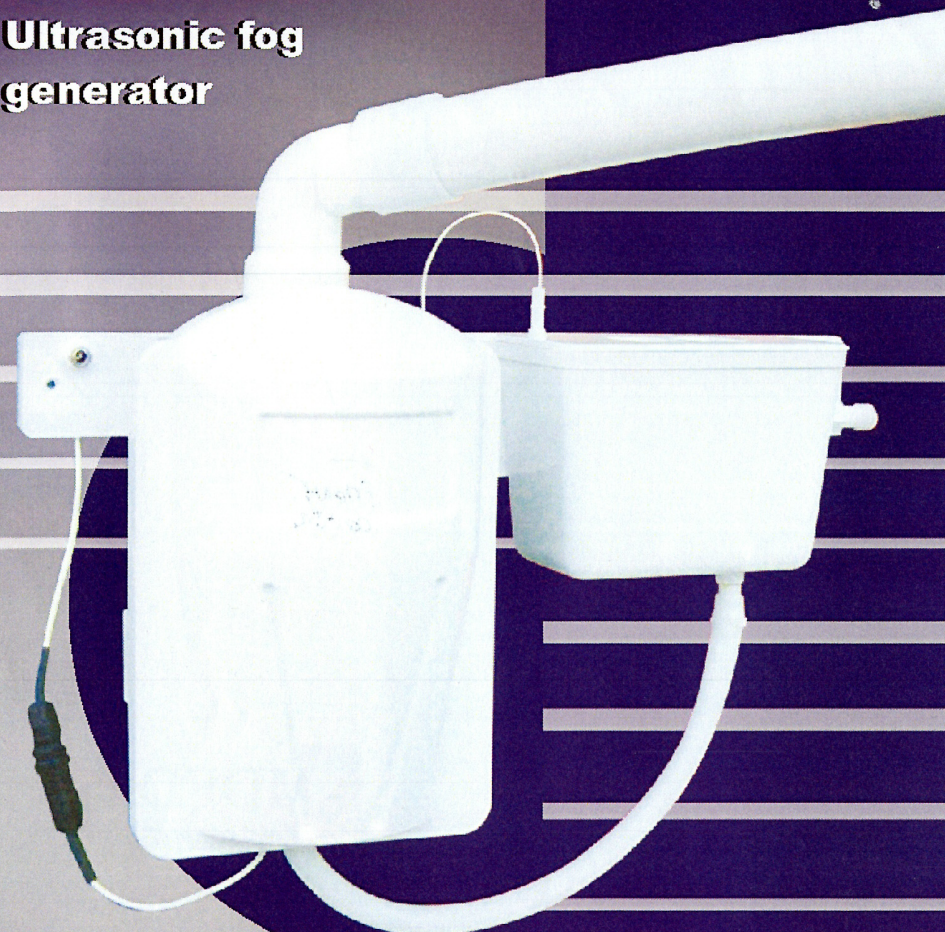
#### Plastique Frapa inc.

1594 route 201, Ormstown (Qc) Canada J0S 1K0  
Phone: 450-829-1177 Fax: 450-829-1175  
E-mail: info@frapaplas.com

[www.frapaplas.com](http://www.frapaplas.com)

# Owner's Guide

## Ultrasonic fog generator



Producing  
water droplets  
smaller than  
5 microns



[www.frapaplas.com](http://www.frapaplas.com)



## Read all instructions before installation. Save for future reference.

### WATER SENSOR:

This fog generator is equipped with a security automatic shut-off water sensor. It will immediately turn off the unit if the water level is too low, protecting it from damages. It will instantly start up again when water is added. The fog generator will not work if the sensor is unplugged.

### BEEPING SIGNAL:

It is also equipped with an alarm system installed in the transformer's box. If you hear a beeping signal coming from the transformer, it means that one or more EBU's are not functioning. Simply remove the hose adaptor located on top of the unit and check which one(s) of the fog exhaust outlet(s) doesn't fog. You can still use the fogger without all 6 E.B.U.'s working. To stop the beeping signal, simply unplug the unit from the power supply and disconnect the E.B.U.'s electrical connection of the non-functioning one(s).

**RESTRICTIONS : DO NOT INSTALL THE FOG GENERATOR IN THE SAME ROOM OR ZONE THAT IS BEING FOGGED.**

### INSTALLATION

Install the unit on a flat surface making sure it is level. Remove all 6 doors, the hose adaptor and the water container cover (BE CAREFULL with the water sensor rod). Connect the water intake to your water supply with a 1/2" (12.70mm) hose and hose clip. Open water supply. Wait until water stops filling the unit automatically. Water level in the torches should be 1/4" (6mm) higher than the middle line in the window. Check all 6 torches. If water level is not equal in the 6 torches, that means the fogger is not leveled. If water is not filling up a torch, evacuate the air in the system by gently squeezing the (white) hose. Close the water container cover. **DO NOT** touch the float valve in the water container. Close the doors. Connect the white wire to the water container cover. Reinstall hose adaptor. Connect the wire with female connector coming from transformer at the bottom of the fogger. Connect the transformer to the power supply. Connect the fog hose, installing it vertically or with a downward inclination to avoid water accumulation in the hose.

**WARNING:** The fog hose is not included. You must use a 6" (152mm) diameter and 6 feet (1.80m) long hose.

**ALWAYS:** install the transformer as far away as possible from the unit.

**ALWAYS:** keep away from children and pets.

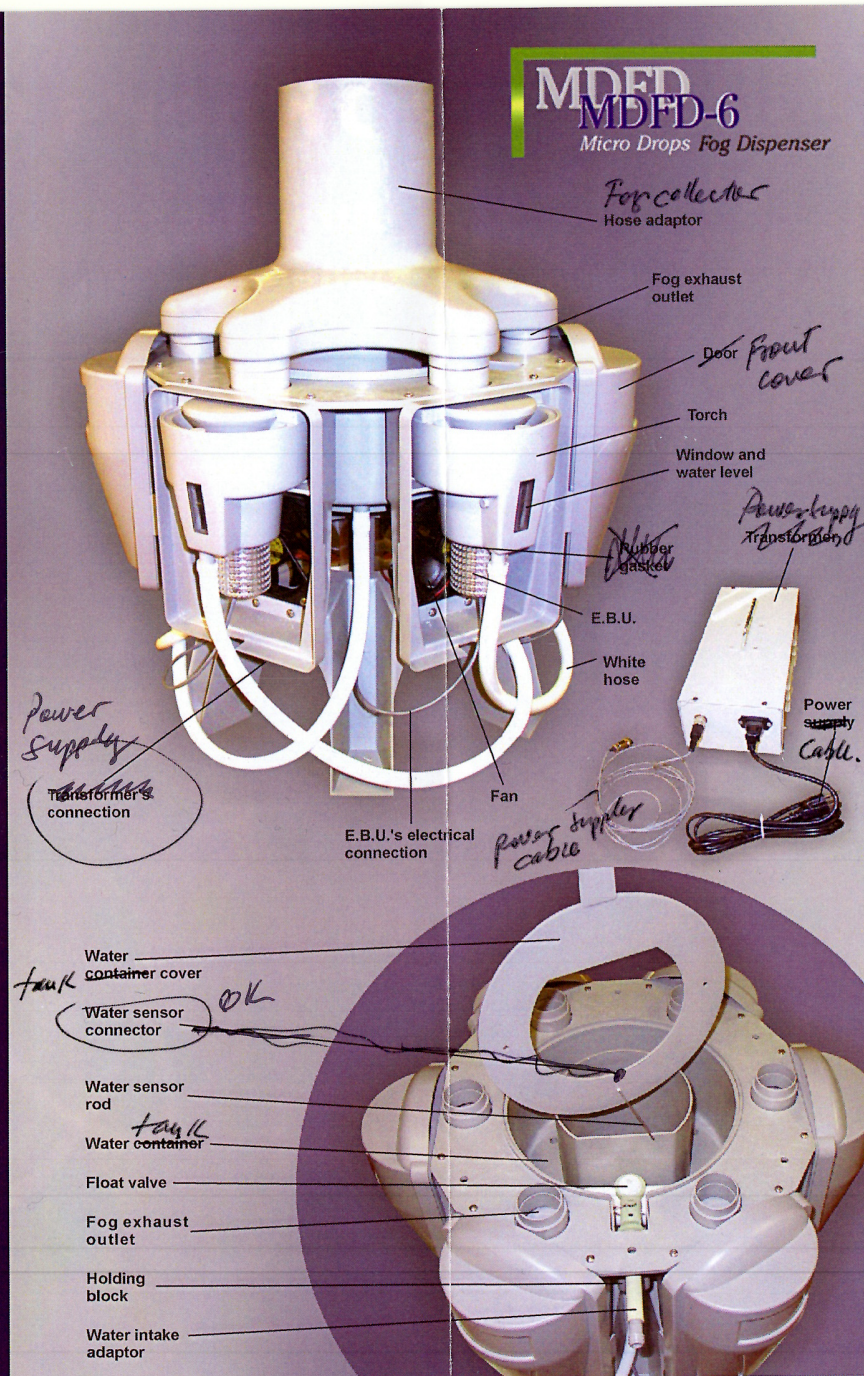
### CLEANING PROCEDURE

Disconnect transformer from power supply. Close water supply. Open all 6 doors of the unit. Remove hose adaptor. Disconnect the white wire from the water container cover. Empty the water from the system by turning one torch upside down over an empty container. When the 6 torches and water container are empty, fill the system with white vinegar by pouring into the torches, until the torches are half full. Wait 1/2 hour. Shake well and empty the vinegar. Look through the fog exhaust holes to see if the EBU's surfaces are clean. If not, repeat a second time. Do not forget to also clean the water sensor rod (Attached to the water container cover) by dipping it in vinegar. Reinstall everything.

**WARNING:** if cleaning is not done regularly, the unit will stop working.

### CHANGING AN E.B.U.

Unplug transformer from power supply. Disconnect the desired E.B.U.'s electrical connection (on its left). Open the corresponding door. Remove hose adaptor. Disconnect the white wire from the water container cover. Close water supply. Open the water container cover. Empty the water from the system by turning one torch upside down over an empty container. Wait until the system is completely empty (the water container and the 6 torches). Unscrew the desired E.B.U. from the torch and remove the rubber gasket. Screw in a new E.B.U. with its rubber gasket without forgetting to put Vaseline under the gasket, on the top exterior part of the E.B.U., NOT IN THE CENTER. Reinstall.



### LIMITED WARRANTY

One (1) year from date of purchase on parts and labor on proper functioning of the unit. Repair or replacement at our discretion. Shipping and handling at customer's expense. (Contact us for our return policy). LIMITED WARRANTY ACCORDING TO SPECIFICATIONS, CONDITIONS AND RESTRICTIONS. WARRANTY VOID IF MISUSED.

## Trouble shooting

- **Water doesn't enter the water container:** Blocked float valve. Unscrew water intake adaptor and nut located outside of the water container. To do so, unscrew the holding block and remove it. Remove the float and cutter pin. Clean the upper part opening and water intake channel.
- **Water enters the water container but not into one or more torches:** Air in the white hoses. Press on the hoses to let air out.
- **Water doesn't stop entering the water container:** Float valve doesn't close. Too much in take water pressure. Lower pressure to 40 pds / inche<sup>2</sup> (272 kpa).
- **Fog doesn't come out of the fog hose but comes out of the fog exhaust outlet:** Water accumulation in the fog hose. The fog hose has to be positioned vertically or with a downward inclination.
- **Fog doesn't come out of the fog exhaust outlet but comes out of the torches:** Close the doors.
- **No fog but fans working:**
  - Is there enough or too much water into the torches? Water level must be 1/4" (6mm) higher than the window middle line.
  - Is the unit leveled?
  - Not enough water: See above.
  - Too much water: Empty the excess water by following the procedure described in the CLEANING SECTION.
  - Is the water sensor connected? The white wire has to be connected to the water container cover.
  - Is the water container closed? The water sensor rod must be in contact with water.
  - Are the E.B.U.'s electrical connections plugged?
  - Are the E.B.U. dirty? See CLEANING SECTION.
- **No fog and fans don't work:**
  - Is the transformer plugged at the bottom of the unit, and directly in the power supply? (without any timers, humidistat, etc.).

### LIMITED LIABILITY AND NO LIABILITY FOR CONSEQUENTIAL DAMAGES

Notwithstanding anything contained herein to the contrary, in no event shall Plastique Frapa Inc. or its directors, officers, employees and agents, have any obligation or liability, nor shall you have any right, claim or remedy against Plastique Frapa Inc. for loss of use of any property, loss of revenue or profit, or for any other special, indirect, incidental or consequential damages, even if Plastique Frapa Inc. has been advised of the possibility of such or if such were reasonably foreseeable.

Other than the obligations of Plastique Frapa Inc. expressly detailed herein, in no event shall Plastique Frapa Inc.'s or in the aggregate any of its directors', officers', employees' and agents', maximum liability for any damages arising out of or related to any contract of sale between Plastique Frapa Inc. and you exceed the total price paid by you to Plastique Frapa Inc.







**MDFD-6**  
Micro Drops Fog Dispenser

## Technical Specifications

### 6 Heads Fogger

Capacity (water consumption): 3.0 liters/hour  
Electrical specifications: Input: 100 to 200 volts: 6.0 amps  
200 to 240 volts: 3.5 amps  
50-60 Hz

Water intake: 1/2" (12.70mm)

Fog outlet: 6" (152mm)

Dimensions: Diameter: 23" (584mm)

Height: 26" (660mm)

Weight: 34 pds (15.45kg)

Recommended pressure: Max. 40 pds / inch<sup>2</sup> (272 kpa)

Water proof fan.

Automatic shut off water sensor.

Malfunctioning alarm system.

C.S.A.—U.L.

F.D.A. Grade ( Food and Drug Approved): All components in contact with water and fog are grade F.D.A plastic made.  
Made in Canada.

## Other Products

### Single head fogger

Capacity ( water consumption): 0.5 liter/hour  
Electrical specifications: Input: 100 to 240 volts  
50-60 Hz  
1.6 amp max

Water intake: 1/2" (12.70mm)

Fog outlet: 1 1/2" (38mm)

Dimensions: Length: 18" (457mm)

Width: 7" (178mm)

Height: 14" (355mm) without fog hose

Weight: 7 pds (3.175kg)

Recommended pressure: Max. 40 pds / inch<sup>2</sup> (272 kpa)

Water proof fan.

Automatic shut off water sensor.

C.S.A.—U.L.

F.D.A. Grade (Food and Drug Approved): All components in contact with water and fog are grade F.D.A plastic made.  
Made in Canada.

### Humidistat

Digital read out.

Range: 0 to 100%

Precision: 3%

25 feet remote sensor ( 7.62m)

Extra length sensor wire available

None-condensing sensor

Replaceable sensor

Relative humidity displayed at all time

120 volts or 240 volts (50-60 Hz)

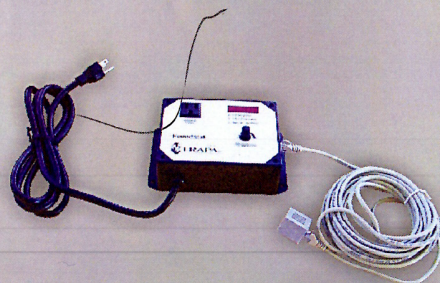
15 amp max

C.S.A.—U.L.

Made in Canada.



**MDFD-1**  
Micro Drops Fog Dispenser



Manufactured by :



**Plastique Frapa inc.**

1594 route 201, Ormstown (Qc) Canada J0S 1K0

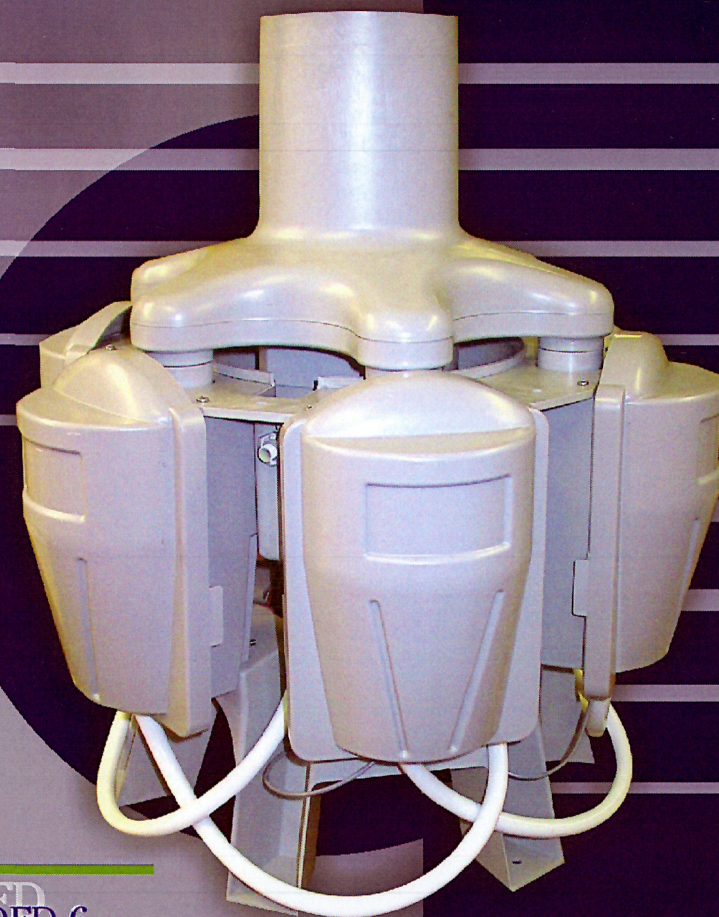
Phone: 450-829-1177 Fax: 450-829-1175

1-855-829-1177 E-mail: info@frapaplas.com

[www.frapaplas.com](http://www.frapaplas.com)

# Owner's Guide

## Ultrasonic fog generator



**MDFD-6**  
Micro Drops Fog Dispenser

Producing droplets  
smaller than  
5 microns



[www.frapaplas.com](http://www.frapaplas.com)