



CANNABIS

IMPROVE CANNABIS CULTIVATION WITH
JAPANESE HUMIDIFICATION TECHNOLOGY

CONTROL THE HUMIDITY HUMIDITY LEVEL WITH PERFECTION

IMITATE THE NATURAL AND IDEAL GROWING CONDITIONS OF CANNABIS

PROBLEMS IN GROWING ROOMS DUE TO LACK OF HUMIDITY CONTROL



EFFECTS OF AN UN-CONTROLLED HUMIDITY LEVEL



SLOW PLANT GROWTH



DRYNESS



MOLD OUTBREAK



CONDENSE ON PLANTS



LOWER PRODUCTIVITY



LOWER QUALITY

STAGES

1

Propagation stage

The humidity level should be high 75-90%

2

Developement stage:

The humidity level should be very consistent at 60-75%

3

Flowering stage:

The humidity level should be lowered to 55-60%

4

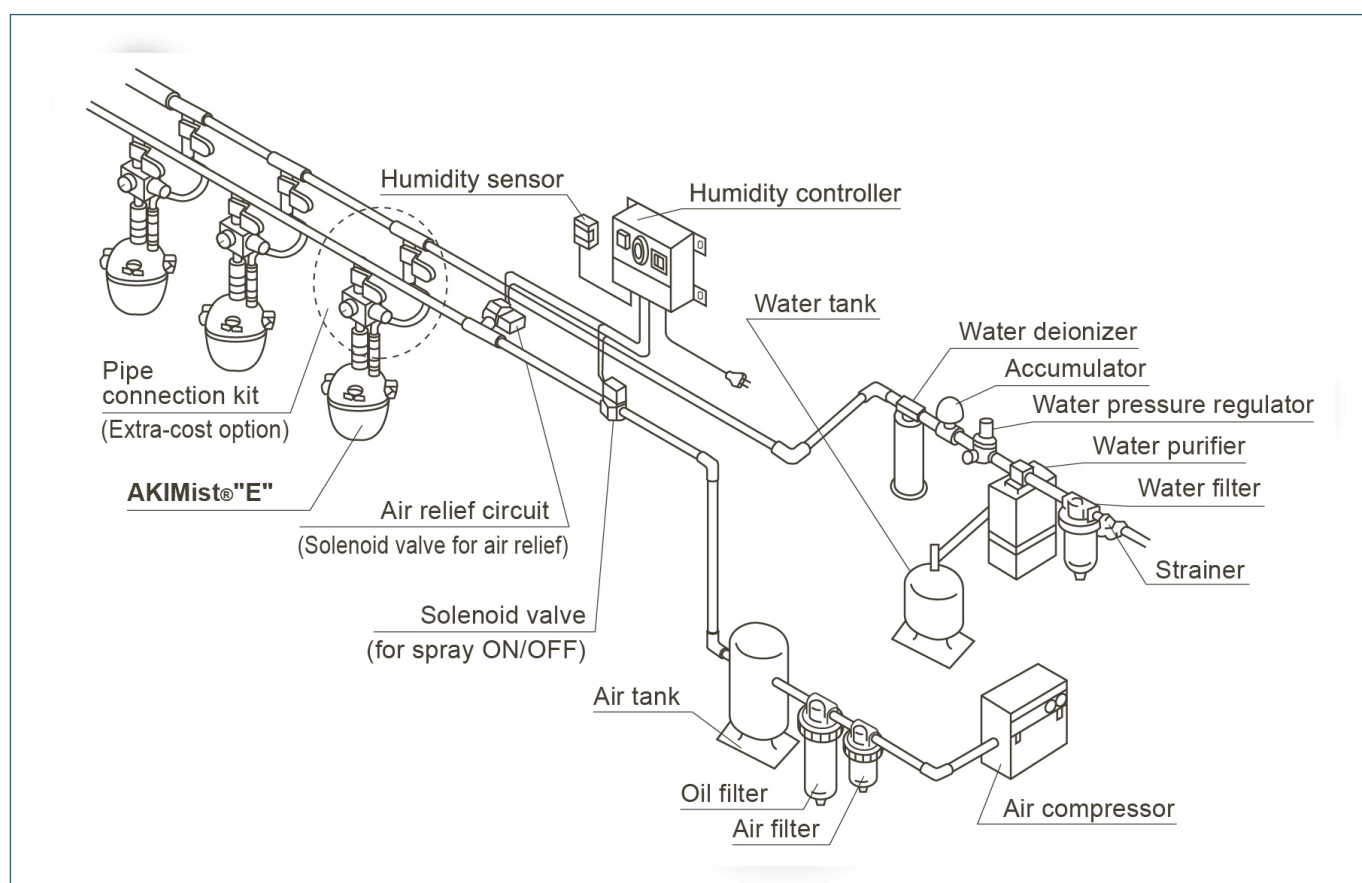
Drying stage:

Humidity level should be lowered to 50-55%

IKEUCHI'S SOLUTION: AKIMIST® DRY FOG HUMIDIFICATION

AKIMist® is a Dry Fog humidification unit which can be combined with control equipment, reverse osmosis equipment and several other units for a complete system solution.

Non-wetting Dry Fog sprayed from AKIMist® "E" produces and maintains a humidity-controlled environment without creating water puddles. Spraying droplets at an average size of 7.5 µm, the water droplets evaporate before reaching any surface,



STANDARD INSTALLATION



We offer tailor-made solutions.

Before installation of an AirAKI® system, we analyze the customer's needs and site to create the ideal environment.

Humidification system planning and layout are designed to meet each and every customer's requirements to achieve the desired condition.

DRY FOG HUMIDIFICATION SYSTEM AKIMIST®

● BE IN CONTROL

Managed by a control unit with timer or humidity sensor, an AKIMist humidification system will keep a constant humidity level year-round in the growing room. Using demineralized water, its maintenance is easy and reduced to a bare minimum.

● FLEXIBLE INSTALLATION

Thanks to the small size of the Dry Fog humidifier AKIMist® “E” (~25 cm height), it is easy to install regardless of the existing air conditioning system. It is suitable for any type of configuration, even growing rooms with limited space, as it humidifies without wetting surfaces.

● AMBIENT OR SPOT HUMIDIFICATION

AKIMist® “E” can cover big facilities as well as small growing rooms.

- Up to 4 nozzles mounted per body.
- Coverage of over 4 meters horizontally per nozzle.
- Relative humidity stabilized in a room of about 100m³ with only one nozzle - cost efficient.



WHY IS AKIMIST THE BEST CHOICE FOR CANNABIS GROWING ROOMS

AKIMist® “E”

- **No risk of leakage:**

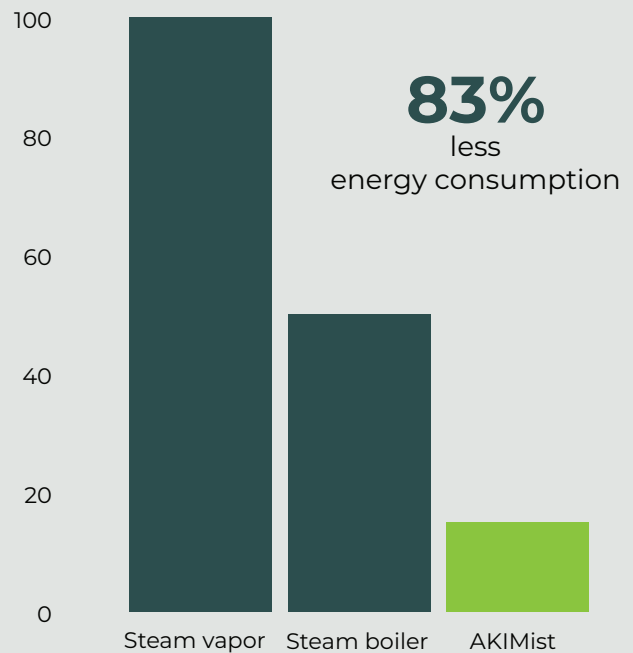
AKIMist stops spraying as soon as the compressed air is turned off and the droplet size always stays consistent.

- **Energy efficient**

AKIMist uses 83% less energy than conventional humidifiers such as steam.

- **Cost efficient**

By switching from steam humidification to AKIMist, you will save more than €50.000 per year on energy costs. .



AVOID CONDENSE IN CANNABIS GROWING ROOM

WHY IS CONDENSE A PROBLEM?

The build-up of condense in a growing room is a serious problem, and can lead to mold growth and growth deficiency. Since cannabis needs a quite high level of humidity (60-75% during the development stage) the downfall can sometimes be an increase in condense.

HOW CAN CONDENSE BE AVOIDED?

Condense builds up due to a combination of factors such as lack of ventilation, improper temperature and humidity control and lack of room sealing. Humidification equipment is often a large part of the problem as most humidifiers create water droplets in the humidification process. AKIMist is different as it produces tiny droplets which evaporate before bursting on any surface.

HOW CAN YOU AVOID CONDENSE WITH AKIMIST

AKIMist® can cover big facilities as well as smaller growing rooms

- Up to 4 nozzles mounted per body.
- Coverage of over 4 meters horizontally per nozzle.
- Relative humidity stabilized in a room of about 100m³ with only one nozzle - cost efficient.



DRY FOG HUMIDIFICATION SYSTEM AKIMIST® SUM-UP OF ADVANTAGES

- ✓ Energy efficient with 83% less energy use than conventional humidifiers
- ✓ Easy installation by adding-on to existing HVAC
- ✓ Offers full control
- ✓ Low maintenance
- ✓ Compact design - 15 inch

DRY FOG HUMIDIFICATION SYSTEM AKIMIST® ITS BENEFITS

Reducing product losses

- Reduction of plant loss due to dryness
- Reduction of plant loss due to mold and fungus issues

Energy savings

- 83% reduction in energy costs
- €50.000 saved per year
- Smaller environmental footprint

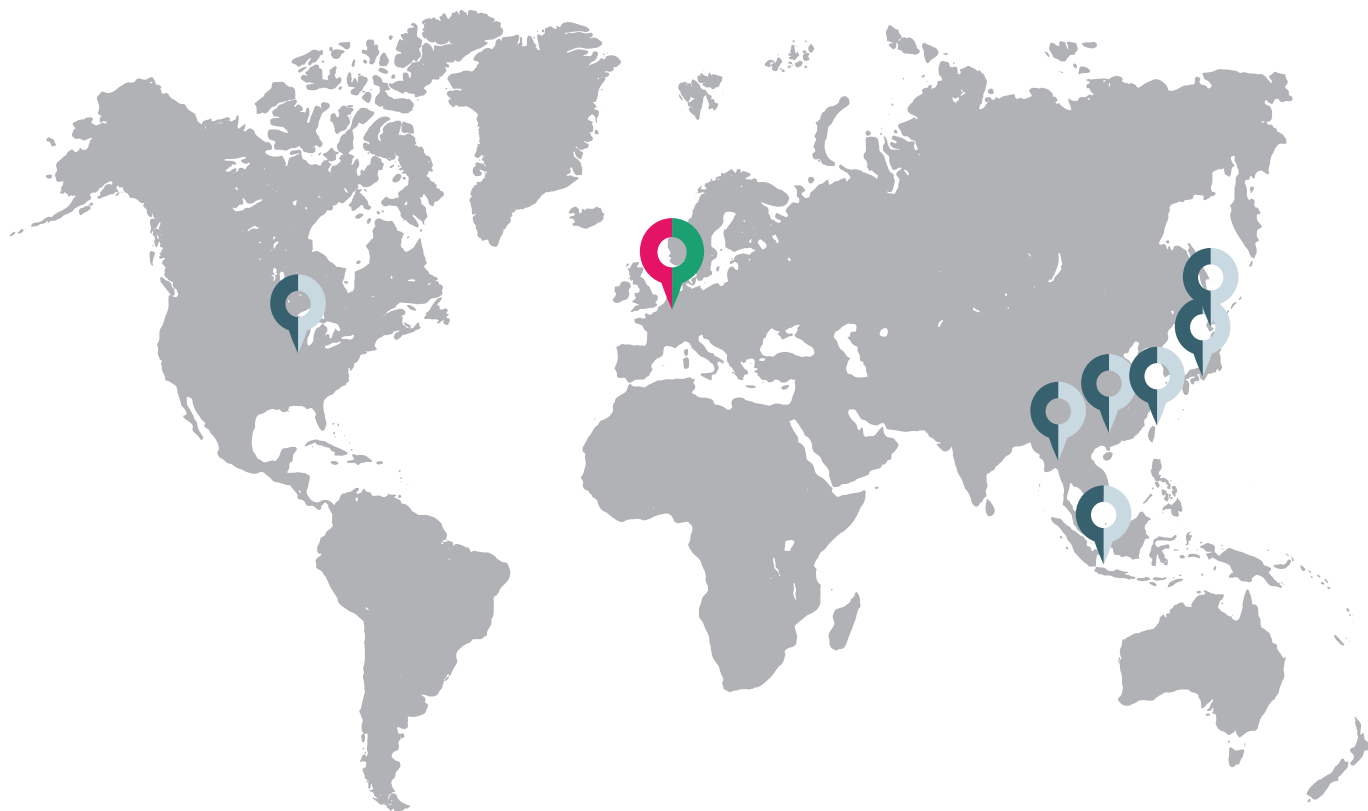
Productivity increased

- Faster plant growth and maturity
- Less maintenance time
- Less transpiration of water

Quality control

- Product quality increased
- Live up to GAP and GMP regulations
- Deliver consistent product quality and size





Ikeuchi is a Japanese company with branches all over the world. It was founded in 1954 in Osaka and has since then expanded across Asia, North America and Europe.

For inquiries / information requests / quotations related this product, please contact us




Ikeuchi Europe


The fog engineers

"Taking the path less traveled"

IKEUCHI EUROPE B.V.

 Merwedeweg 6, 3621 LR Breukelen
The Netherlands

 Tel: 0031-20-820-2175

 info@ikeuchi.eu

 www.ikeuchi.eu