شركة اعتمد المحدودة
Atmiid Limited Company

PRODUCT CATALOGUE · 2026

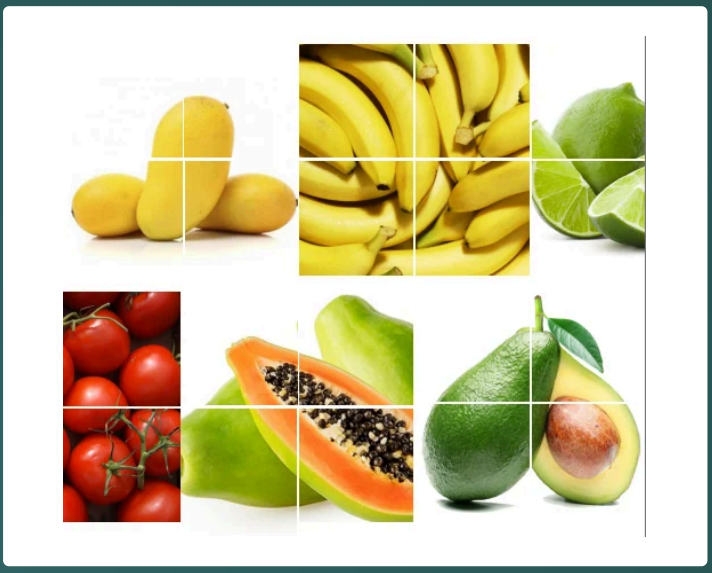
Fruit Ripening Machine

Smart, controlled ethylene ripening for cold rooms and ripening chambers. Say goodbye to uneven and slow ripening.

50 MT
room capacity

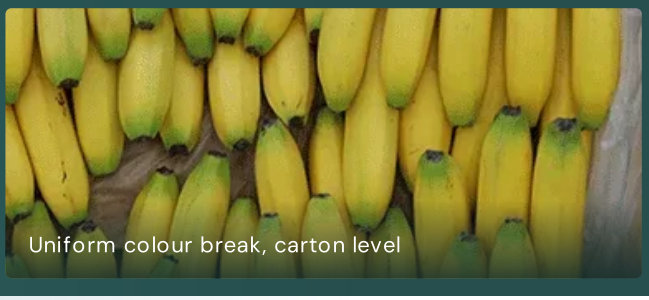
100–150 ppm
controlled ethylene

CE
certified equipment





Ethylene generator in a live ripening room


Uniform colour break, carton level

MANUFACTURER CERTIFICATIONS

- Ethylene generators
- Ripening concentrate
- Ethylene / CO_2 / RH sensors
- Humidification
- Installation & service contracts

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WHY CONTROLLED RIPENING

Ethylene, delivered on purpose

Ethylene is a natural plant hormone that regulates ripening and senescence. Most fruits produce it in small quantities on their own — but climacteric produce needs a controlled dose to break colour evenly and on schedule.

The 100–150 ppm rule

Climacteric fruits and vegetables — bananas, mangoes, papaya, avocado, tomatoes and similar — require **100–150 ppm of ethylene** to ripen uniformly. Below that range you get slow, patchy colour break; uncontrolled dosing costs you shelf life. A generator holds the room inside the window.

HOW A RIPENING ROOM WORKS

Four variables, one controlled cycle

1. **Dose the ethylene**
   The generator converts ripening concentrate into ethylene gas and releases it on a timed cycle matched to the room volume and the tonnage inside.
2. **Hold temperature**
   Ripening happens inside a tight temperature band — where Atmiid's refrigeration and controls work sits alongside the ripening equipment.
3. **Keep humidity up**
   Dry air pulls weight and dulls colour. Fine cool-mist humidification holds RH where the fruit needs it without wetting cartons.
4. **Measure and vent**
   Ethylene, CO_2 and RH sensors close the loop — so dosing and ventilation follow readings, not guesswork.

PRODUCT RANGE IN THIS CATALOGUE

ITEM	FUNCTION	SIZING
RipeAll® Ethylene Generator	Ethylene dosing with 4G alerts	Rooms up to 50 MT
Mini Ripe® Ethylene Generator	Compact ethylene dosing	Rooms up to 35 MT
RipePlus® Concentrate	Food-grade ripening consumable	1000 ml bottles
Sense All® Sensors	Ethylene / CO_2 / RH measurement	Per chamber
SuperFog® Humidifiers	Cool-mist humidification	4–28 LPH

LARGE-CAPACITY GENERATOR

RipeAll Ethylene Generator®

A connected generator for high-throughput ripening rooms. 4G SIM technology sends essential alerts by call and SMS — an empty tank or a failed heater reaches the operator before it reaches the fruit.



Backup heater, automatic switchover. If the primary heater malfunctions, the unit alerts the user and switches to the backup heater — the cycle keeps running instead of stalling mid-room.

Six output settings, 2-litre tank. Enough range for rooms up to 50 MT, with a 2.4-litre tank option for longer unattended cycles.

4G ALERTS · BACKUP HEATER · 6 SETTINGS · 18-MONTH WARRANTY · IP 34 · CE

TECHNICAL SPECIFICATION	
Tank capacity	2 litres (2.4 litres also available)
Output settings	6
Room capacity	Up to 50 MT
Connectivity	4G SIM — alerts by call and SMS
Monitored alerts	Power · body overheat · change heater · low liquid level · SIM signal
Heater redundancy	Backup heater with automatic switchover
Power supply	220 V AC, 50 Hz
Ingress protection	IP 34
Certification	CE certified
Warranty	18 months
Consumable	RipePlus® Fruit Ripening Concentrate

Installation note

Do not operate the generator in a room volume below 45 m³. Service by the authorised distributor only.

COMPACT GENERATOR

Mini Ripe Ethylene Generator®

A cost-effective, low-maintenance generator for small and medium ripening operations — built for low power consumption and long service life.



1.4-litre tank, four output settings for rooms up to 35 MT — sized for chambers where a 50 MT generator would be oversized and idle.

Ideal for organic farming, small food processing plants and single-chamber ripening rooms. Ethylene is released intelligently across the cycle for uniform colour, aroma and flavour.

LOW POWER DRAW · 4 SETTINGS · 12 / 24 / 36 / 48 H · 12-MONTH WARRANTY · IP 34 · CE

TECHNICAL SPECIFICATION	
Tank capacity	1.4 litres
Output settings	4
Cycle settings	12 h · 24 h · 36 h · 48 h (per 1 litre of concentrate)
Room capacity	Up to 35 MT
Monitored alerts	Power · body overheat · low liquid level
Power supply	220 V AC, 50 Hz
Ingress protection	IP 34
Certification	CE certified
Warranty	12 months, comprehensive
Consumable	RipePlus® Fruit Ripening Concentrate

Application

Suited to single-chamber ripening rooms, ripening chambers inside existing cold stores, and small-batch citrus de-greening.

SELECTION GUIDE

Choosing your generator

Both generators dose the same consumable and reach the same 100–150 ppm working window. The difference is capacity, redundancy and how the unit talks to your team.

CRITERION	RIPEALL®	MINI RIPE®
Room capacity	Up to 50 MT	Up to 35 MT
Tank	2 L / 2.4 L	1.4 L
Output settings	6	4
Remote alerts	4G SIM — call & SMS	On-unit indicators
Backup heater	Yes, automatic switchover	—
Ingress protection	IP 34	IP 34
Warranty	18 months	12 months, comprehensive
Best fit	Multi-chamber DCs, high tonnage, unattended cycles	Single chamber, small & medium plants

What you get

- Faster, more predictable colour break
- Uniform ripening across the whole room
- Better colour, aroma and flavour at delivery
- Less rejected and downgraded fruit

Where it's used

- Banana and mango ripening chambers
- Citrus de-greening rooms
- Distribution centres and wholesale cold stores
- Food processing plants and organic farms

Turnkey scope from Atmiid

Room survey and sizing, refrigeration and airflow, generator and dosing, sensors and controls, humidification, commissioning, operator training, and an annual maintenance contract — one accountable supplier for the whole chamber.

CONSUMABLE

RipePlus Fruit Ripening Concentrate®

Food-grade concentrate for use with ethylene generators — for fruit ripening and citrus de-greening. Consistent quality means the room receives the right ethylene level for uniform colour, taste and aroma.



Suitable for bananas, mangoes, papayas, avocados, tomatoes, apples, pears, kiwifruit, citrus and stone fruits.

- Food grade, premium quality
- Consistent, repeatable results
- Natural and safe in use
- Net contents 1000 ml · wide range of packaging options

FOOD GRADE | GENERATOR USE ONLY | 1000 ML

Handling

To be used only with an ethylene generator, at the recommended dosage. Not intended for human consumption. Keep out of reach of children. No smoking in the dosing area.

INSTRUMENTATION

Sense All Sensors & Controllers®

Reliable, accurate sensing and control for ripening chambers, cold rooms and greenhouses. Available for **ethylene, CO_2 and humidity**, with a data-logging function on demand.

Sensors pair with the humidifiers overleaf so RH is held to setpoint rather than run open-loop.

IP 67 RATED | ETHYLENE | CO_2 | HUMIDITY | DATA LOGGING



HUMIDIFICATION

SuperFog Humidifiers®

Cool-mist humidification for ripening chambers and cold rooms — centrifugal and ultrasonic types.



CENTRIFUGAL TYPE · 7 LPH



ULTRASONIC TYPE · 4–28 LPH

TYPES AND CAPACITIES	
Centrifugal type	7 litres per hour · ABS plastic body · easy to clean and maintain
Ultrasonic type	4, 7, 10, 14 and 28 LPH · stainless steel · RO water only
Mist size	3–5 µ cool mist
Energy	Low energy consumption
Control	Connects to Sense All® sensors and controllers to hold accurate RH
Warranty	One year

ALSO SUPPLIED BY ATMIID

The rest of the chamber

Refrigeration & airflow

Industrial and commercial refrigeration, evaporator selection and air distribution designed for the ripening load — not retrofitted around it.

Monitoring & maintenance

Smart monitoring, safety and security systems, plus annual maintenance contracts with defined response times.

IMAGE LIBRARY

Equipment and application photos

Reference images of the supplied equipment and of ripening rooms in operation.



In-room installation

Generator running over stacked banana crates



Result

Even colour break at carton level



Charging

Filling the tank with concentrate



RipeAll®

Up to 50 MT · 4G alerts



Mini Ripe®

Up to 35 MT · compact



RipePlus®

Ripening concentrate · 1000 ml



Sense All®

Ethylene / CO_2 / RH · IP 67



SuperFog® centrifugal

7 LPH · ABS body



SuperFog® ultrasonic

4–28 LPH · stainless steel

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Contact us

Industrial and commercial refrigeration, air conditioning, safety and security systems, smart monitoring and maintenance contracts — including turnkey fruit ripening rooms.

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