



MANY REQUIREMENTS - ONE SOLUTION:
SCENTY[®] control



NOW BRAND NEW
AtmoCheck[®] mobile



For fast and independent
monitoring of residual gases

RELIABLE CONTROL AND MONITORING OF



Degreening



Sprouting inhibition



Growth promotion

WE CONTROL GASES

SCENTY® control

Control and monitoring
of ripening processes

By accurately metering the supply of either pure ethylene gas or a mixture of nitrogen and ethylene, the ripening process of fruits and vegetables can be scheduled to occur at a specific planned time. However, with certain fruits and vegetables, ethylene can produce exactly the opposite results as it can inhibit sprouting.



SCENTY® control – one solution for many areas of application:



Degreening



Growth promotion



Sprouting inhibition



With SCENTY® you can increase the quality of your products since chemical anti-sprouting products are no longer necessary. Degreening or storage becomes residue free and without chemicals.

THE COMPONENTS

Perfectly adapted



SCENTY® Flow Control

This compact unit allows you to control the correct dosage. In addition to the main valve, it is also equipped with a pressure reducer and a flow regulator.



SCENTY® GWA 201

This is the evaluation unit with an integral LCD screen. LED indicators show the current state of each individual process. This well-engineered and reliable component ensures that all ripening and storage processes of your products are completed safely.



GSC 200ETH

This electrochemical gas measuring sensor has been developed specifically for use with degreening and sprouting inhibition. The SCENTY® control can be accurately adjusted to perfectly meet your application requirements, due to its high degree of accuracy and the wide measurement ranges of its sensor.

The use of proven Gore-Tex® technology ensures that it remains waterproof whilst giving optimum gas permeability.



APPLICATION EXAMPLE

with premixed ethylene
and nitrogen gas

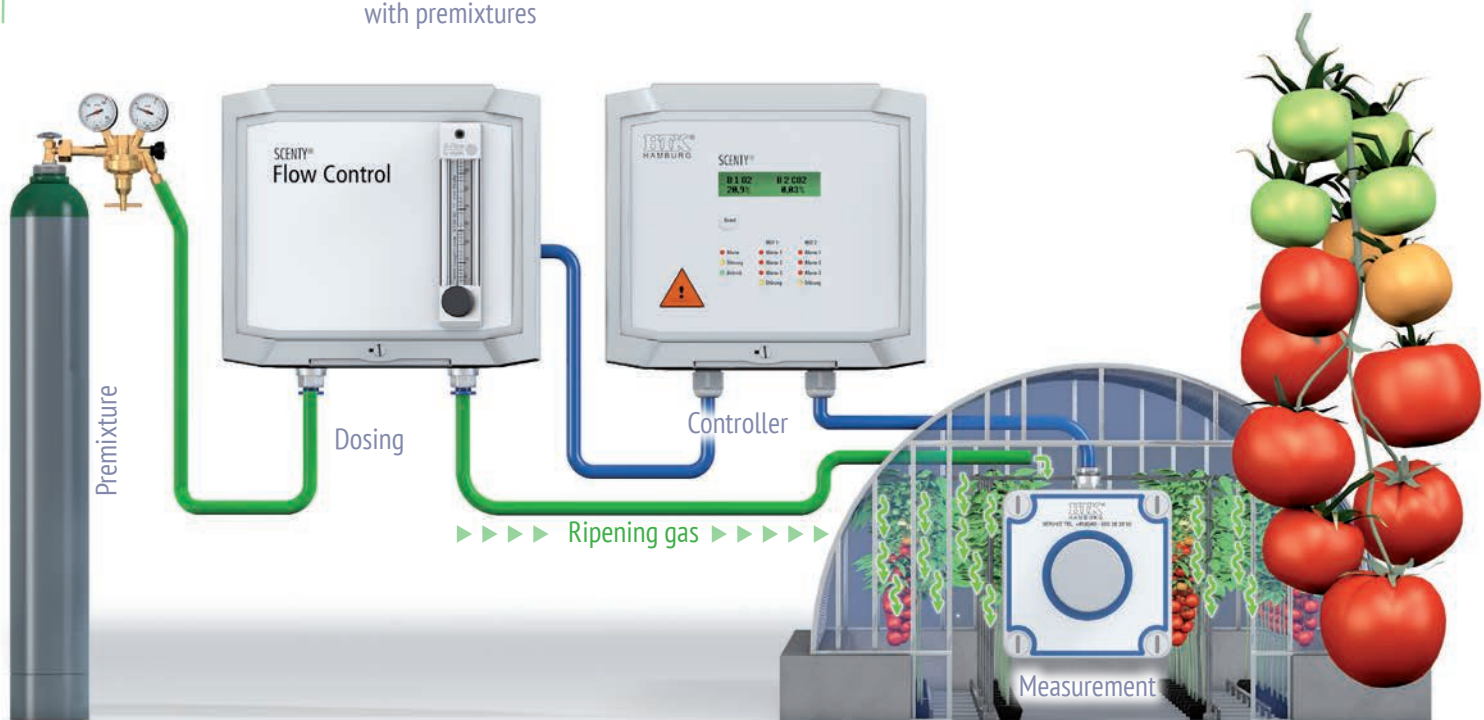
Premixed gases of ethylene and nitrogen are non-flammable due to the inert gas content. Therefore, specific fire or explosion protection measures are not required in the ripening rooms when using premixed gases and SCENTY® control.

Nevertheless, we recommend the use of gas detection systems which are designed for use in the food industry and which also ensure safety.

With this reliable and proven hardware, the ripening and storage processes of all of your products will always be safe and consistent. In addition, we recommend that you observe and comply with the instructions in the safety data sheet and the IGS safety recommendations.

THE SCENTY® control REGULATOR UNIT

The system for operation
with premixtures



SCENTY® control consists of an evaluation unit to which an ethylene gas sensor is connected. The current concentration of ethylene is continuously shown on the integrated LCD display. LED indicators show whether ethylene is being rendered inert, or if the system is in standby mode.

The supplied flow control unit is equipped with a pressure reducer, a flow regulator and the main solenoid valve. If the minimum threshold value is not maintained, the SCENTY® control automatically readjusts the amount of ethylene being dosed and switches off the gas when

the maximum concentration is reached. By viewing the flowmeter and adjusting the corresponding regulator valves, it is easy to set exactly the correct dosage (l/min).

The system operates fully independently, and can be upgraded easily with minimal technical knowledge.

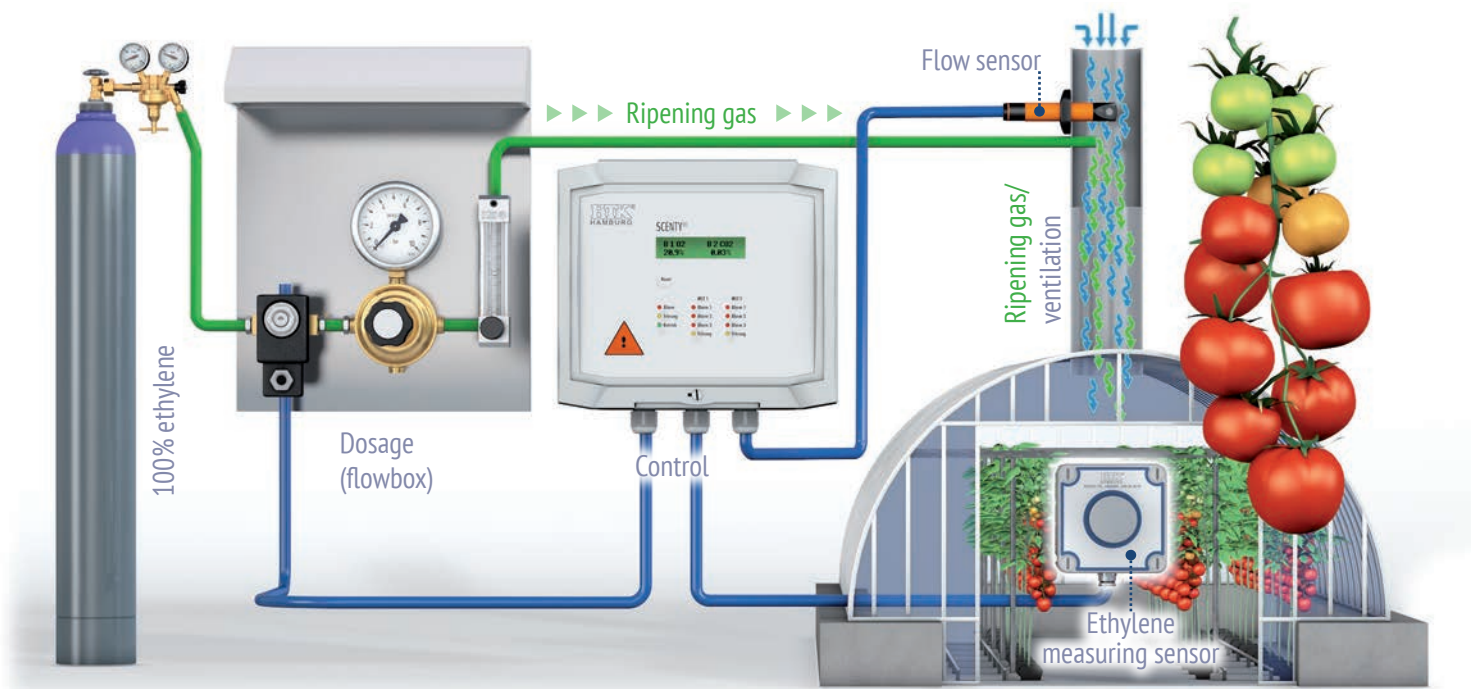
An equipment cabinet for holding the individual cylinders or cylinder bundles, the pressure reducer and the tapping points can be obtained from your gas supplier.

APPLICATION EXAMPLE

System operating with pure ethylene

Certain application processes do not allow the use of premixed gases. SCENTY® control EX is the solution for operation with flammable gas.

SCENTY® control EX significantly reduces the risk of explosions. Safety is one of our top priorities.



SCENTY® control / SCENTY® control EX

Safe, proven technology

Please see our optional solutions on the next page



Technical Data

SCENTY® control / SCENTY® control EX

Housing	Plastic wall housing
Protection Class	IP65, SCENTY® control EX suitable for installation in EX areas
Measuring Points	1 Measuring sensor, optionally available with up to 8 measuring points (SCENTY® control 801)
Measuring Range	0-10 ppm, 0-25 ppm, 0-2000 ppm
Flow Rate	0-2 l/min., 0-10 l/min., 0-25 l/min. Larger ranges are available on request.
Display	Ethylene concentration
LED Display	Operating, alarm, fault and maintenance signal
Manual Alarm Prevention	Menu function allows Alarm Prevention in certain special cases
System	Fault message, alarm message, watchdog function, self-monitoring, system clock, cold start, check alarm, sensor / calibration monitoring, maintenance interval monitoring
Electrical Supply	110-230V 50/60Hz or 24VDC
Data logger added options with SCENTY® control 801	Measurement data and alarm memory via SD card with read-out via included PC software and USB interface

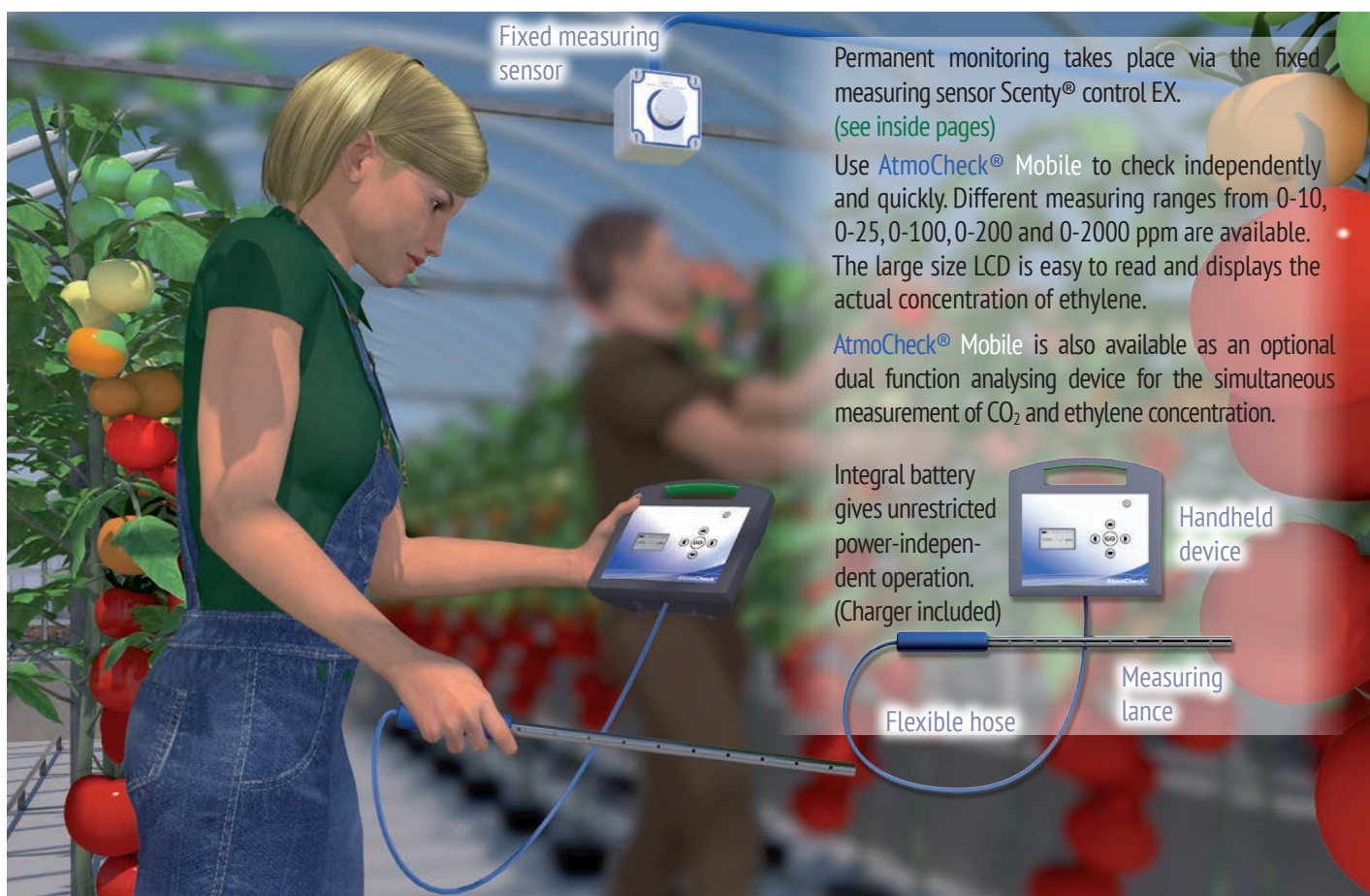
■ AtmoCheck[®] Mobile

For fast and independent monitoring of residual gases

AtmoCheck[®] mobile for ethylene was developed specifically for greenhouse application. This practical measuring device is particularly well suited for mobile measurement of ethylene concentrations.

Hard to reach areas can be measured easily and reliably with the suction lance that is part of the system.

AtmoCheck[®] mobile is characterised by its comfortable, easy operation, fast response and high degree of accuracy.



AtmoCheck[®] Mobile in a handy case with complete accessories including



The **AtmoCheck[®] Mobile** comes in a handy carrying case with a wide range of accessories.



The **AtmoCheck[®] Mobile** charger for the integral battery comes with power plug adapters for home and abroad.



2 suction filters

SCENTY[®] control EX

Installation in EX areas



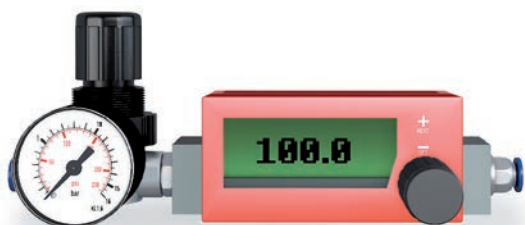
Additional model for use with pure ethylene.

The tapping and regulator units are suitable for installation in EX areas. The evaluation unit is installed outside of the EX areas. Consult your gas supplier regarding this matter.

EX area

SCENTY[®] control OPTIONS

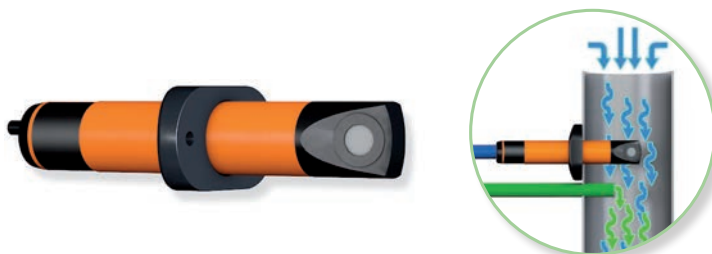
for even more reliability
and control



SCENTY[®] control TOTAL

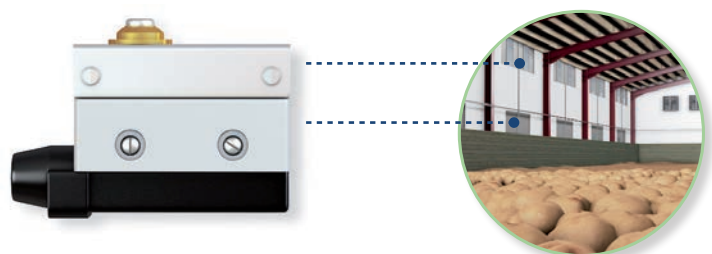
You can use a battery powered electronic flowmeter from the compact series as an added option.

The integrated flow meter displays the total amount of ethylene used and can be read daily.



Air flow sensor

The use of pure ethylene should be accurately regulated, ensuring that there is always an adequate flow velocity in the air supply duct. An optional flow sensor can be integrated into the system to adjust the gassing cycles of the supply and circulating air.



Limit switch for ventilator flaps

Switch-off the SCENTY[®] control during the aeration phases. An optional limit switch can be integrated to monitor when the ventilator flaps are open, and automatically pause gas dosing accordingly. This not only ensures optimum regulation of ethylene for your processes, it also saves you gas.