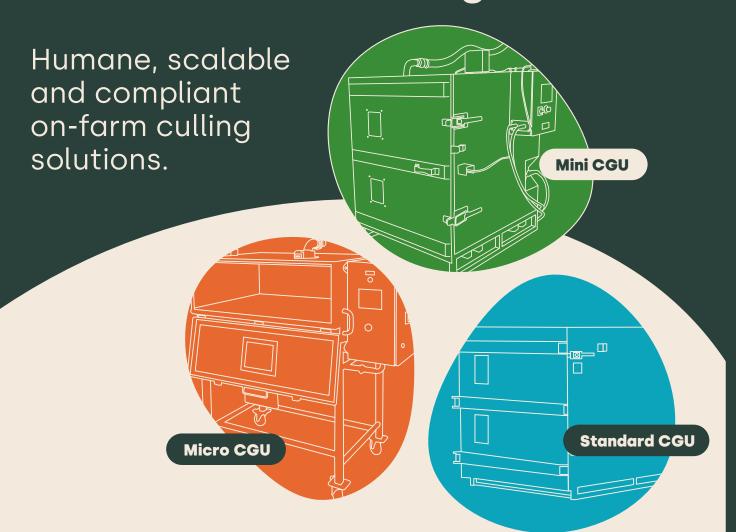


Containerised Gassing Units



Livetec's Containerised Gassing Units (CGUs) are designed to humanely stun and kill batches of poultry by exposure to a carbon dioxide or argon gas mixture as permitted by legislation.

Our industry-leading, gas-based stunning systems provide a cost effective, scalable and rapid solution for high welfare onsite depletion or depopulation.

Designed to the highest welfare standards our range of CGUs keep your farm operating in compliance with EU 1099 / 2009 and UK WATOK 2015 legislation.

Manual CGU units should be used alongside Livetec's Smart Oxygen Meter (SOM) to provide complete peace of mind that gas exposure regulations are being met on-farm and to ensure compliance.

Any of our CGUs can be upgraded to automated units by the addition of the PLC controlled LSAU20.

Mounted on the side of the unit, the system automatically controls the flow of gas and records all data during the process, making them user-friendly and easy to operate.

The operator is only required to start and confirm

the end of each cycle, additionally safeguarding their own wellbeing.

The control system has audio and visual alarms in addition to a fail-safe emergency stop function to ensure minimum livestock stress.

Birds are removed from their housing and placed in ventilated transport modules or crates, these are then placed into the chamber. The unit will then fill with a gas mixture that is released into the chamber, flushing out oxygen.

Livetec's standard range of CGUs



TYPE:

Micro CGU

CAPACITY:

25kg

THROUGHPUT:

250kg throughput per hour*

USAGE:

- Quails
- Turkeys
- Breeder farms
- Hatcheries
- Research facilities
- Pheasant rearing



TYPE:

Mini CGU

CAPACITY:

250kg

THROUGHPUT:

2500kg throughput per hour*

USAGE:

Micro usage plus:

- End of lay birds
- Small or speciality flocks
- Seasonal on-farm processing



TYPE:

Standard CGU

CAPACITY:

750kg

THROUGHPUT:

Between 9000 -

10,000kg throughput

per hour

USAGE:

Micro & Mini usage plus: Poultry farms, breeder farms, layer farms, turkey farms, quail farms, game farms and

laboratories.

Enterprise level solutions for larger commercial flocks.

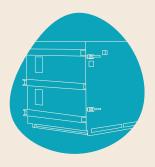
Talk to us about our bespoke design and manufacturing options.

^{*} based on maximum bird weight, using one unit running 10 cycles per hour

Find out more about Livetec's Smart Oxygen Meter







Technical Specification				
	Micro CGU	Mini CGU	Standard CGU	
Dimensions internal	Depth 710mm Height 420mm Width 1020mm	Depth 1300mm Height 1300mm Width 1100mm	Depth 2500mm Height 1500mm Width 1450mm	
Dimensions external	Depth 850mm Height 500mm Width 1100mm	Depth 1350mm Height 1500mm Width 1120mm	Depth 2668mm Height 1837mm Width 1808mm	
Machine weight	220kg	500kg	750kg	
Chamber volume	320 litres	1859 litres	5850 litres	
Door width clearance	Width 1020mm Height 420mm	Width 1050mm Height 1220mm	Width 1450mm Height 1500mm	
Capacity total	25kg	250kg	750kg	
Gas types	Argon, nitrogen with carbon dioxide*	Argon, nitrogen with carbon dioxide*	Argon, nitrogen with carbon dioxide*	
Gas connection	Quick connect eg. CEJN 320 series	Quick connect eg. CEJN 320 series	Quick connect eg. CEJN 320 series	
Gas supply pressure	Maximum 5 bar	Maximum 5 bar	Maximum 5 bar	
Fill rates	Dependent on gas type and local regulations for example argon CO2 mix - 15-20 seconds	Dependent on gas type and local regulations for example argon CO2 mix - 45-60 seconds	Dependent on gas type and local regulations for example argon CO2 mix - 60-90 seconds	
Gas usage per cycle	340 litres	2,230 litres	7,000 litres	
Gas usage per hour	3,400 litres	22,300 litres	70,000 litres	
Mobile options	Optional trolley	Pallet pockets	Pallet pockets	
Load system	Manual	Manual or mechanical	Mechanical	
Control system	Automated or manual	Automated or manual	Automated or manual	
Gas monitoring	Automated - built in. Manual compatible with Livetec SOM	Automated - built in. Manual compatible with Livetec SOM	Automated - built in. Manual compatible with Livetec SOM	
Outdoor use	Yes	Yes	Yes	
Animal type	All domestic poultry and waterfowl	All domestic poultry and waterfowl	All domestic poultry and waterfowl	
Legislation compliance	EU 1099 / 2009 and UK WATOK 2015	EU 1099 / 2009 and UK WATOK 2015	EU 1099 / 2009 and UK WATOK 2015	
Calibration and service	Annual maintenance packages available	Annual maintenance packages available	Annual maintenance packages available	

Additional info for automated unit

	Micro CGU	Mini CGU	Standard CGU
Power supply	120 / 240 volts single phase 10 amps	120 / 240 volts single phase 10 amps	120 / 240 volts single phase 10 amps
Fill rates	Programmable for continuous fill or multi stage	Programmable for continuous fill or multi stage	Programmable for continuous fill or multi stage
Programmable settings	5	5	5
Indoor use	Optional compressed air flushing system available	Optional compressed air flushing system available	Optional compressed air flushing system available
Gas monitoring	Built-in	Built-in	Built-in
Data recording	Built-in	Built-in	Built-in
Analytics	Built-in	Built-in	Built-in
Warning sensors	Visual and audible	Visual and audible	Visual and audible

Why use the Livetec CGU?



Seasonal, scheduled stunning of flocks on-farm to maintain productivity.

- On-farm capacity for small batch stunning.
- Maintain scheduled depletion in the event of processing plant breakages or supply chain issues.
- **Planned welfare cull** for end of lay hens, sick or injured birds and reduce overstocking.

To find out more visit www.livetecsystems.co.uk

About Livetec Systems

We are continually exploring new ways to improve the future of farming. We want to give farmers the peace of mind that they're doing everything they can to protect their animals and efficiently operate their business in the very best way.

Our clients trust us to protect their reputation, livestock and livelihoods by working in compliance with UK and EU legislation. We act as a partner to help make the necessary changes to facilitate a strong, resilient farming strategy.

Some of the renowned organisations we work with include:







MFU

info@livetecsystems.co.uk



BRITISH





SRUC



The British Poultry Council

Livetec is the leading provider of livestock protection - the go-to partner for all biosecurity issues across the industry.

We provide an extensive range of innovative solutions for our clients:

