Containerised Gassing on Farm

Livetec Systems Ltd

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- Development and supply of on farm culling equipment
- Provision of on farm culling operations
- Advice and contingency planning for notifiable diseases
On farm routine culling and depopulation

- Reason
  - Welfare
  - Veterinary
  - Husbandry

- Numbers
  - Individual birds
  - Groups
  - Sheds
  - Farm
Common principles

• Birds are caught and placed in modules or loose crates
• or carried directly to a container then placed in the container
Bio-security Portals
It is essential to manage catching personnel and make it easy for them to comply with PPE rules.
Gasses

- Mixture of 80% argon and 20% carbon dioxide, residual oxygen of 2 or 5%
- 100% Inert gas, residual oxygen 2%
- 100% CO₂
  - progressive exposure better than direct immersion
- Must be at set point for minimum of 3 minutes
- Must display gas concentration, preferably with alarm and light if concentration deviates from set point.
Containerised Gassing Systems

- Standard (c. 750 kg)
- Mini (c. 250 kg)
- Micro (c. 25 kg)
Containerised Gassing Unit
Skip containers
Smart Oxygen Monitor

• Measures, displays and records oxygen concentrations for each run.
• Times the cycle once O2 reaches set point.
• Gives visible and audible alarms if O2 deviates from set point.
Mini CGU – Manual or Automated

- Holds up to 250 kg poultry
- Either in drawers or crates
- Can be mounted on small trailer or pick up
- Manual or Automatic operation
Micro CGU

- Used on breeder farms
- Closed Units
- Research and pharmaceutical establishments
- Fully automatic
- Choice of gas
Warehouse/Haulage for Emergency Operations
Containerised Gassing System loaded
Gassing
Checking before disposal

Birds are inspected then sprayed with disinfectant before tipping
Disposal
Questions

Thank you