



Chick Transportation Solutions

We know how to care for day-old chicks

MOVING THERMAL. MOVING FUTURE.



THE PERFECT TRANSPORT SOLUTION

Day-old chick transportation is a major challenge for poultry farms since producers need to meet a range of complex requirements:

- Animal welfare
- Sustainability
- Chick quality
- ROI

Spheros provides ...



... customised chick truck transport
for your requirements



4 innovative climate control systems to
establish **reliable temperature control and a
supply of fresh air** inside the load body

- to keep the biosecurity risks as low as possible,
- to reduce DOA (death on arrival) and 5 to 7 day mortalities to 0.05% with correct equipment



We focus on the load ...

... while the driver concentrates on driving

OUR BENEFITS FOR YOU

- 12 years experience in chick truck construction
- First line run with driver and vehicle
- Incorporated high capacity climate units manage the boxes' internal temperatures.
- Intake air is controlled to provide the correct oxygen levels.
- Equipment inside the chick transportation load body is quickly and easily cleaned and disinfected.
- Specifically designed to meet the stringent hygienic requirements of the modern hatchery.
- Live telematic system to be installed in trucks as an option

Four customised systems

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Four customised systems

1. **RETURN AIR CLIMATE CONTROL SYSTEM**
2. **DUMP AIR CLIMATE CONTROL SYSTEM**
3. **FORCE AIR CONTROL SYSTEM**
4. **FORCE AIR SYSTEM**

1. Return air climate control system

Most technically advanced automated system with air filtration and full temperature control

- Complete Transfrig diesel refrigeration unit installed
- Specially designed **filtration system** to clean the air before returning back into the load body
- Specific air cycle system to provide **best temperature and air flow control** within the load body - independent of vehicle movement
- Recommended use for the **transportation of smaller quantities of parent and grandparent stock**

2. Dump air climate control system

Advanced automated system with full temperature control

- Complete Transfrig diesel refrigeration unit installed
- A **climate control system** ensures to set ideal temperature **using a specific refrigeration unit for cooling and diesel heaters for heating**
- Specifically placed and tailormade ducting ensures **supply of even air flow throughout the truck body**
- Stale, heated air is **extracted via roof mounted fans** and “dumped” back into the atmosphere
- **Easy to clean** and disinfect
- Recommended to carry normal broiler and layer chicks

3. Force air control system

Semi-automated, low-cost system with low running cost

- **Front opening with specially designed air intake louvre**
- **Floor fans disperse the air throughout the load space** by means of specifically placed ducting
- **Easy flow of air reduces the stress of the chicks in transit**
- Roof mounted fans pull stale, heated air back into the environment.
- Installed **heaters for warming and water chillers for cooling** ensure **relatively controlled climate conditions**

4. Force air system

Most cost-effective system with no on the road running costs

- A **front louvre** allows **air** to be drawn into a self pressurised chamber while the vehicle is moving and then throughout the load body
- System relies entirely on ducting, extractor fans and air pressure from the moving vehicle
- Recommended to transport less stock as body heat and temperature within the load body can't be controlled as effectively

SPIHEROS