



Chick Transportation Solutions

We know how to care for day-old chicks

MOVING THERMAL. MOVING FUTURE.

A close-up photograph of several young chicks. In the foreground, a yellow chick is looking towards the right. Behind it, a white chick is visible. To the left, another yellow chick is looking towards the camera. The background is slightly blurred, showing more chicks. The overall tone is warm and soft.

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