

# Keywarm Livestock Heating Playbook - V3

## A Practical Decision Guide for Poultry and Pig Farm Heating

This compact version explains how to select and combine livestock heating technologies based on ventilation requirements, building geometry, and animal sensitivity.

### Included Solutions

- KWFP - Direct-Fired, Suspended Heater
- KWDHVS - Direct-Fired, Cabinet Heater (Low-Height Buildings)
- KWIH - Indirect-Fired Heater (Clean Air and Safety)
- Radiant Heating - Local and Low Air Movement Solutions

### 1. Livestock Heating Is a System Decision

There is no single heater suitable for all poultry and pig houses. Correct selection depends on ventilation strategy, building geometry, and the sensitivity of animals at different growth stages.

### 2. Three Core Decision Factors

Factor	What It Affects
Ventilation	Mandatory in livestock buildings and a prerequisite for direct-fired heating
Building Geometry	Determines suspended versus cabinet-type heater selection
Animal Sensitivity	Influences whether clean-air (indirect-fired) solutions are required

### 3. Keywarm Livestock Heating Solutions

- KWFP: Direct-fired suspended heater for medium to large livestock buildings requiring long air throw.
- KWDHVS: Direct-fired cabinet heater for low-height or compact livestock buildings with short air throw.
- KWIH: Indirect-fired heater prioritizing clean air, safety, and long-term operation.
- Radiant Heating: Supplementary solution for low air movement and local comfort zones.

## 4. Typical Hybrid Livestock Heating Strategies

Modern livestock farms often combine multiple heating technologies:

- KWIH for clean-air base heating in sensitive zones
- KWFP for rapid temperature recovery in large spaces
- KWDHVS for low-height or retrofit buildings
- Radiant heating for young animals or resting areas

Hybrid strategies improve animal welfare, operational flexibility, and system resilience.

## 5. Fast Selection Summary

Priority	Better Starting Route	Reason
Medium-large building, long air throw	KWFP	Suspended direct-fired route with stronger reach
Low-height or compact building	KWDHVS	Cabinet route for shorter throw and retrofit conditions
Clean air and safety priority	KWIH	Indirect-fired route for sensitive zones or longer operation
Local comfort / low air movement	Radiant Heating	Supplementary low-air-movement route

## Final Statement

Keywarm provides livestock heating solutions based on application logic rather than single-product promotion. Selection is driven by ventilation requirements, building geometry, and animal sensitivity.