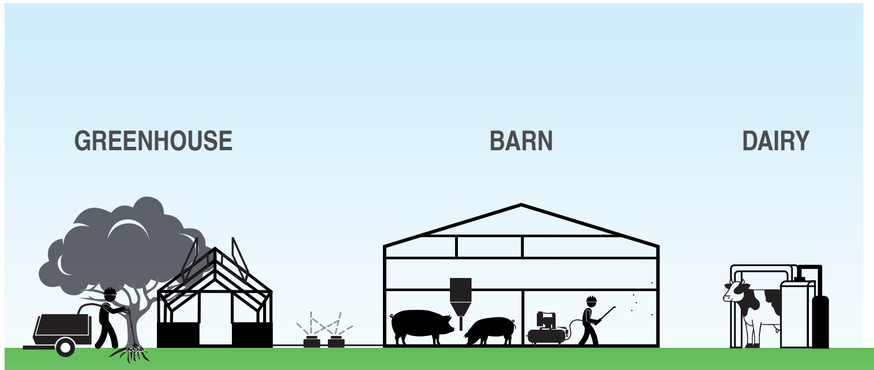
Typical Compressed Air Applications in Agriculture

KAESER KOMPRESSOREN®

Production



Crop production

1



Livestock production

2

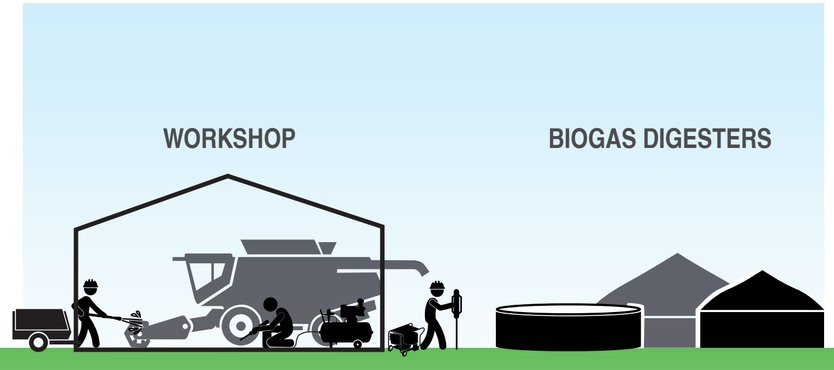


Dairy farming

3



Operations



Workshop & machinery maintenance

4

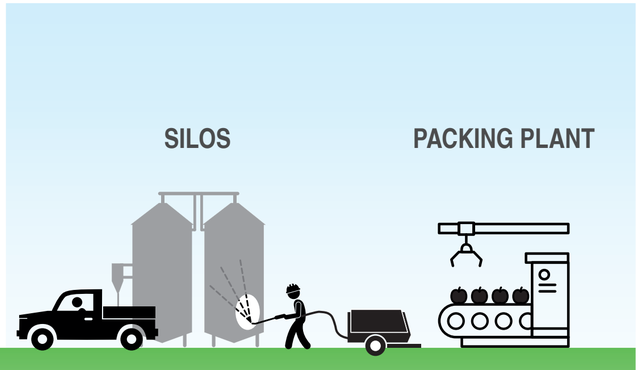


Nutrient & waste management

5



Post-harvest handling



Bulk storage

6



Processing

7



Screw compressors
Screw blowers

Pistons

Rotary lobe blowers

1 Crop Production



Compressed air is essential for a diverse range of crop production applications, from field soil management with air lances to precise greenhouse and irrigation controls. The specific application requirements for compressed air pressure, airflow, and quality must be accurately matched for safe, efficient, and reliable operation.

Typical applications; Soil aeration, loosening, and excavation, greenhouse controls, irrigation system control, irrigation system winterisation

2 Livestock Production



In modern livestock production, compressed air is a core component for maintaining optimal animal welfare and operational efficiency. It enables the precise conveying and actuation of automated systems, from rationing feed to regulating barn climates. Meeting the specific requirements for compressed air pressure, airflow, and quality is important for ensuring safety, reliability, and precision.

Typical applications; pneumatic feeding, control of feeding systems, cleaning of feeding systems, barn ventilation, barn disinfection

3 Dairy Farming



Sophisticated Automated Milking Systems (AMS) are increasingly used to improve efficiency, hygiene, and animal welfare in dairy farming. They rely on compressed air for tasks like robotic controls and cleaning, while milking carousels additionally rely on a vacuum pump for milk extraction and transport. A reliable, high-quality compressed air supply is critical for food safety.

Typical applications; Automated Milking Systems (AMS)

4 Workshop & Machinery Maintenance



Compressed air is a fundamental utility for a wide range of tasks in agricultural workshops and for machinery maintenance. It enables high-volume cleaning for fire prevention, ensures reliable tyre inflation, and drives various pneumatic tools. An efficient and dependable compressed air supply is essential for these tasks to be performed with maximum effectiveness.

Typical applications; harvesting machine cleaning, tyre inflation, pneumatic fence post driver

5 Nutrient & Waste Management



Compressed air is a valuable resource in nutrient and waste management. It is vital in manure slurry management for aeration, and for on-farm biogas plants where it contributes to both process control and the integrity of double-membrane roofs. For these applications, a reliable supply of compressed air is crucial for operational safety and efficiency.

Typical applications; slurry aeration, pneumatic slurry valves, pneumatic sealing hose

6 Bulk Storage



Low-pressure air and compressed air are vital resources for agricultural storage, ensuring the safe, efficient, and hygienic handling of materials. They convey crops into silos, control product flow and transfer, and are used for cleaning and pest control. Meeting the application-specific requirements for compressed air pressure, volume, and quality is key to maintaining product quality.

Typical applications; conveying of agricultural goods, silo material flow control, ventilation of silos, cleaning and treatment of storage facilities

7 Processing



Packing plants, which ready agricultural products for the market, rely on compressed air to efficiently drive pneumatic actuators and controls across processing and packaging lines. High compressed air quality is essential for maintaining product integrity.

Typical applications; control of processing and packaging lines

© 2025 KAESER KOMPRESSOREN SE - all rights reserved