



# A comprehensive broiler housing system

The complete package from Prüllage



Prüllage Systeme

# We make systems flexible.

- Feed Systems
- Drinkers
- Climate
- Control

The key to economic success for any livestock farming enterprise is healthy, high-yield animals. However, animal well-being is dependent on many factors.

This is why Prüllage offers complete housing solutions for poultry farming. We take care of every single ingredient for success, down to the smallest detail. We provide and fit housing, feed technology, air conditioning, feed storage and electrical engineering. All components are designed to work together and be centrally controlled.

You won't find any off-the-shelf systems here. We develop solutions to best suit you, your animals and the demands of your business.

Our team of professionals will guide you from your first consultation to build completion and into the future. Your one-stop shop.



Brothers Heinz and Josef Ludger founded Prüllage Systeme GmbH in 1989. At first, their main focus was on selling animal housing. Later, the business expanded to include a team of in-house technicians, meaning that today we are able to offer complete animal-housing solutions down to installing the electrics.

also now have industrial and public-sector clients. The facility we work from today in Holdorf was constructed in 1998. The site measures 20,000 m<sup>2</sup> and comprises five warehouses and 800 m<sup>2</sup> of production floor. This provides the space to implement client requests on any scale. Today, Prüllage Systeme GmbH employs over 75 people.

Meanwhile, the automation arm of the business was also developed. Not only do we have agricultural clients, we





# Optimum feed conversion and hygiene

## Feeding Lines

Feed Point is a broiler feeder system which has stood the test of time. It satisfies all requirements for broiler fattening. The open bowl gives the animal unobstructed access to the feed and is easy to climb out of. The cone of the bowl is transparent, so that the feed level in each bowl is easy to monitor. The perfect fabrication of the PVC components, without any corners or edges, and the inwardly-rounded rim of the bowl, prevent the animals being injured as well as eliminat feed losses. The use of high quality PVC and galvanised steel ensures a long service life, supported by the safety features resulting from our many years of experience in the sector.

Our Feed Point feeder achieves unbeatable hygiene in the barn. The simple, easy to check cleaning makes top quality cleaning routine. The central rotation of the feed tube brings the lines into the cleaning position. Each bowl is easy to clan with a high pressure cleaner, and can be tilted so that any remaining feed and dirt is simply rinsed out. The transparent cone makes it easy to inspect the bowl for concealed dirt. Cleanliness and hygiene are increased by the use of smooth surfaces.



Feed Point

## Feeding Line



Lifting System



## Central Rotation

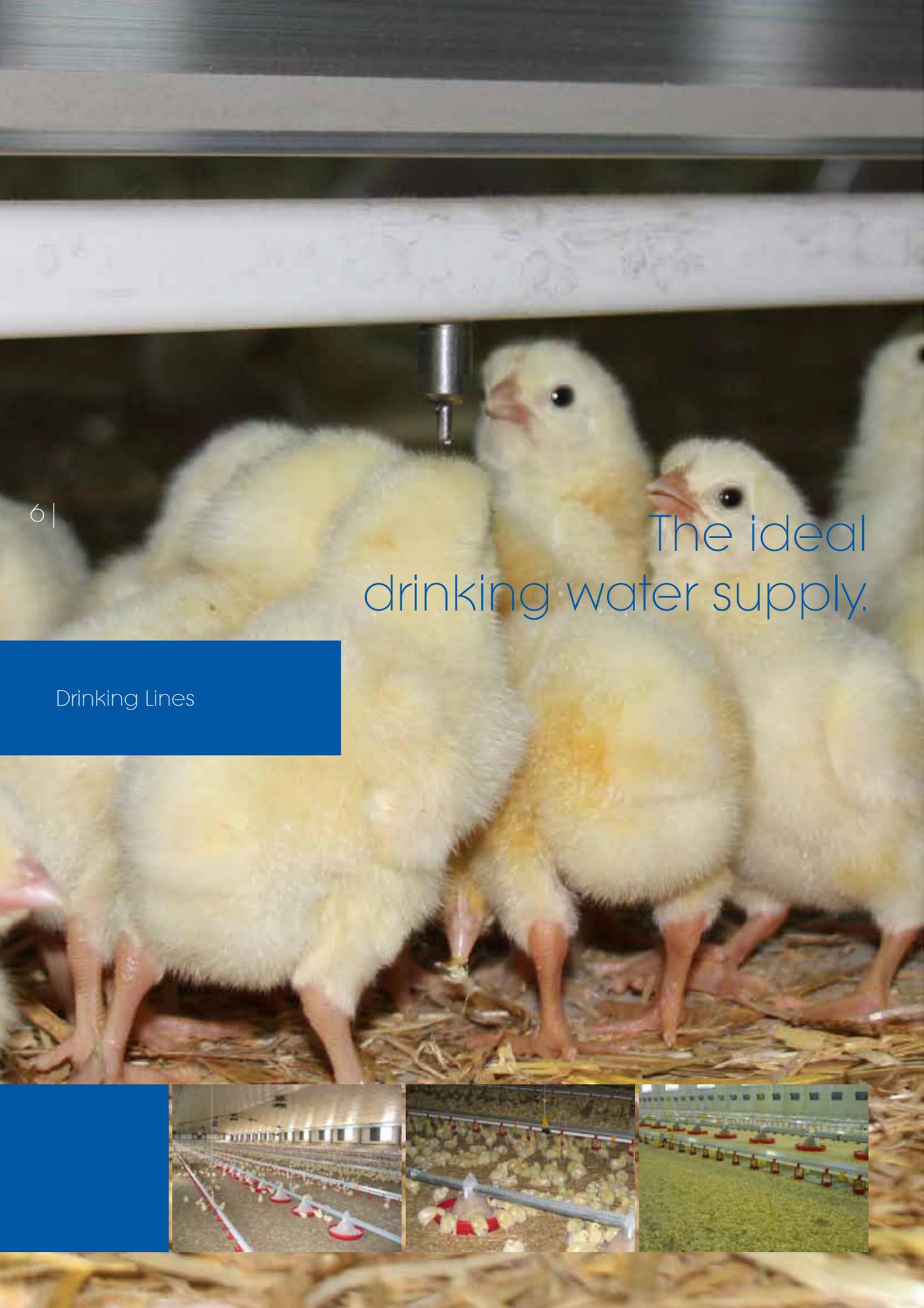


Developed for Optimal Hygiene



# The ideal drinking water supply.

## Drinking Lines



### Nipple Drinkers

Providing the animals with fresh, clean drinking water is essential for good, fast growth in a poultry population. Drinking water must be clean, sufficient and easily accessible.

#### Optimum provision for animals

Prüllage Systeme's drinking water systems are specially designed to meet these needs and deliver optimum drinking water provision for broilers.

#### Minimal water waste

The water pans are specially developed and tailored for providing water to these animals and to minimise water waste.

#### Easy access to drinking water

The animals have good access to fresh water when nipple waterers are used.

### TwinClean Line

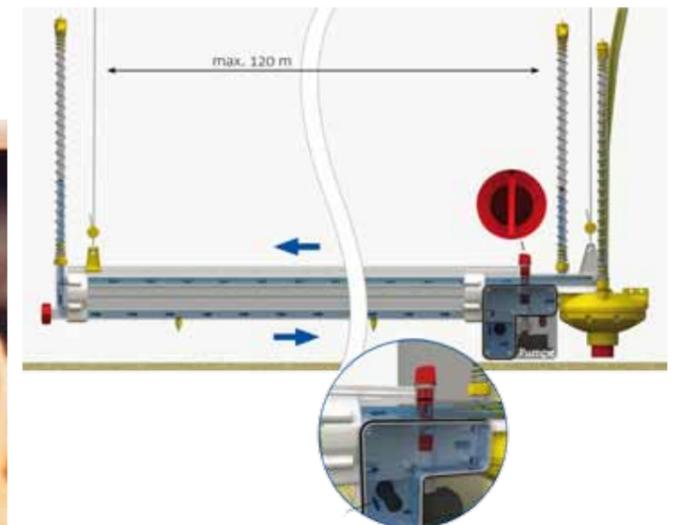
The TwinClean Line is optimised for hygiene and constantly feeds drinking water into the water line.

#### Optimum hygiene

A pump is installed in the functional unit to achieve this. It feeds the water into the top pipeline of the drinking-water section. The water flows backwards into the nipple line and then back to the pump. A float switch automatically controls the pump, ensuring it never runs dry.

#### Easy to manage

The water pressure is set on the pressure reducer, as normal, and can be read at the vent on the pressure reducer. This drinking concept is designed so that the pressure at the end of the water line is always somewhat higher than at the beginning by the pressure reducer. That means line lengths of up to 120 m are achievable with just one supply point at the start.





# Durable and easy to maintain.

## Silos and Augers

PS auger systems stand out for their robust construction, guaranteeing durability. Augers are mostly used to dispense feed. Sophisticated construction of the individual components enables optimum delivery over long distances. Prüllage Systeme provides PS auger systems in four sizes: 55 mm, 75 mm, 90 mm and 125 mm.

Prüllage's auger systems have several benefits. All systems are easy to assemble and have adaptable features meaning they can be installed in almost any establishment. System length can be adapted to perfectly fit site conditions, with lengths of up to 60 m possible (several systems can be attached in a chain using a transfer unit). In addition, augers provide optimum hygiene conditions for feed transport from silo to housing, ensuring outstanding feed quality.

Prüllage Systeme offers a variety of high-quality silo systems for secure and hygienic feed storage inside or out.

Polyester Silos

Galvanised Silos

Scale/Mixer



PS-Auger





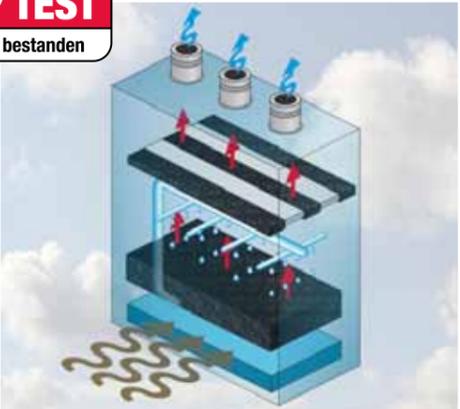
# It's all about the right ventilation.

The ideal ventilation system has to be designed for the individual building. No standard design can guarantee an optimum supply of fresh air.

That is why Prüllage Systeme offers a variety of ventilation systems which can be adapted to meet any particular needs. The design of a ventilation system depends on several factors and the interplay between them, such as the size of and height of the building, air temperature, season and more. These factors greatly affect the ventilation system and need to be considered at the planning stage to achieve an optimum flow of fresh air for the animals.

This is why Prüllage Systeme GmbH offers a range of air-supply and extraction concepts which can be adapted to each animal-housing situation. Prüllage is equally able to install ventilation systems in new and existing animal-housing systems.

Ventilation



PS-Flash 3300



Air Inlet AV54



Extraction Flues



Fans

Exhaust Air Filter System



High Pressure Fan PS-HD ECCO



Developed for Exhaust Air Filters



# Cosy, warm, healthy animals

## Heating

Energy costs have been rising for years and this is becoming more and more evident in the agricultural sector, too. Efficient energy management is vital to staying competitive and functioning economically. Modern heating systems can minimise energy consumption in animal housing. This saves money and ensures the economic viability of the business.

This is why modern animal housing is increasingly being equipped with surface heating systems like Prüllage Systeme's IN System underfloor heating. Underfloor heating uses much less energy than conventional heating systems and delivers optimum heating conditions in the animal housing. Producing the radiant heat in the floor means it is right where the animals need it.

Gas heating or hot water convectors can be used alongside underfloor heating in broiler production. Prüllage's gas heating systems can run on natural gas or LPG and with an open or shut combustion chamber. Hot water convectors are very energy efficient and available from 15 kW to 110 kW.

### IN-System



### Heater GP

### Heater RGA/TR



### Hot Water Convectors



# One control for everything!

## Control

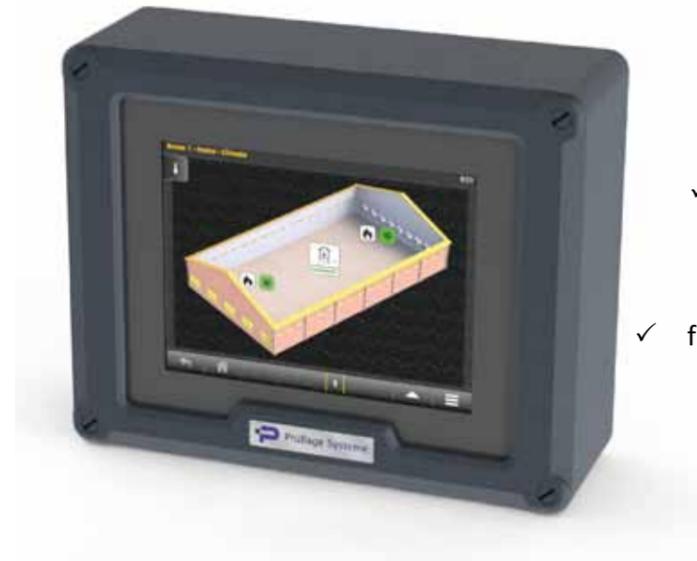
With Prüllage Systeme's new **PR-PB TOUCH** housing control, you have the whole housing system under control. It features revolutionary intuitive touchscreen operation, which can be adapted to user preferences. Clear symbols can be used to achieve a 3D overview of the animal housing.

The result is a highly user-friendly and clear poultry computer system, accessible via a computer app at home, meaning the user can view all the information from the poultry housing anywhere and at any time. Of course, a smartphone or tablet would work, too.

The PR-PB TOUCH poultry computer gives the user full control of everything going on in the housing, including feed and water, egg production and weighing of the animals.

Prüllage Systeme provides more than just housing control. We provide a comprehensive management technology system from switchboard to terminal and frequency inverter, all designed to work together. We have in-house electricians and service technicians ready to undertake on-site electrical installations and available for servicing and maintenance once the installation is complete.

Our **PR-FC NETWORK** goes beyond one building and can connect several animal-housing facilities. This means that the farmer can access all devices in the animal housing from a home computer, smartphone or tablet and monitor, control and evaluate all the functions and data from anywhere in the world.



- ✓ Revolutionary intuitive touchscreen operation
  - ✓ Clear symbols for easy operation
    - ✓ 3D house overview
  - ✓ Access by Smartphone, Tablet an PC
- ✓ full control of everything incl. feed, water, ventilation, weighing, lights etc.



With 'Agriculture 4.0', we're making the future of animal-housing management a reality today!



Switchboard



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**Prüllage Systeme GmbH**

Gewerbering 6 · D-49451 Holdorf  
Fon: +49 (0) 5494 / 98000-0 · Fax: +49 (0) 5494 / 6544  
Email: [info@pruellage.de](mailto:info@pruellage.de) · Net: [www.pruellage.de](http://www.pruellage.de)



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