



The SmartFeed feedconcept is part of a total solution for farm automation.

Our climate solutions and management systems fit together seamlessly. In this way we guarantee a customized solution, worldwide.

PFA - PFV

SMARTFEED



Optimize feed dosing with SmartFeed concept

- Dosing feed in a clear way
- Manageable feed costs
- Easy operation
- Prepared for connection to Stienen feed weighers PFB-35 or PFB-70
- Animal management in combination with the PL-9400 / PL-9500 / PL-9600
- Secure connection with FarmConnect and FarmRemote

STIENEN AGRI AUTOMATION

Stienen is a leading family company (1977) which has its roots in livestock farming. It is in our nature to be very close to our end users. We are a global supplier of innovative automation solutions for poultry and pig houses. Our climate solutions, automation systems, management software and the accompanying peripheral equipment are all developed and produced in-house.

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Cost-effective feeding

with **SmartFeed** | PFA-PFV

Feed costs are an important factor for any poultry farm. Stienen's **SmartFeed** concept allows you to efficiently and carefully control this cost item.

This feed concept enables you to manage ingredient stocks in silos and to adjust feed composition and feed amount to the different animal groups and/or poultry houses.

This gives you optimum growth and feed conversion results.



Management computer

Linking the **SmartFeed** feeding computer to the Stienen management computer gives you up-to-date information on the number of animals at all times.

The feed computer uses this data to automatically and accurately calculate the amount of feed to be dosed to your animals. It also transmits the amount fed back to the management computer which uses this data to display the right water/feed ratio.

This information gives you a clear insight into the wellbeing and performance of your animals.

FARMCONNECT (optional)

The FarmConnect farm software collects all current and historical data of all control computers on your farm, combines this data, and then presents it in clear overviews, graphs and tables.

FarmConnect gives you access to your farm data. Wherever you are, you are always connected to your company so that you can intervene immediately if necessary.

PFB-35 / PFB-70

Combining the feed computer with a Stienen feed weigher gives you total control of your **SmartFeed** feeding system.

The PFB-35 and PFB-70 feed weighers (with capacities of 35 and 70 litres respectively) register the amounts of feed supplied on the basis of highly accurate weight measurements.

FARMREMOTE (optional)

The remote control feature of the **SmartFeed** feeding computer enables you to read the current data of your animal house remotely using your smartphone, tablet or PC. You can even operate the PL-9500 from the comfort of your armchair.

The Stienen WEB-SEC interface guarantees a secure connection.



SPECIFICATIONS SMARTFEED | PFA-PFV

PFA-9400 versus PFV-9400

Poultry Feed Auger (for auger feed system) or **Poultry Feed Valve** (for valve feed system)

The PVA-9400 and the PFV-9400 have many similarities. Both are suitable to control the feeding process for multiple poultry houses and/or animal groups. For example, the feeding of males and females of different ages, which are divided over multiple groups and/or poultry houses. You can set the feeding times and feed amounts per feeding cycle. And it is possible to program the feeding system in advance by setting one or more feeding curves. There are also differences between the systems:

PFA: automatic filling to maximum

The PFA is intended for auger feeding systems. The feed hoppers are filled sequentially until the maximum level is reached. When one hopper is full, filling automatically continues to the next. The PFA-9400 auger feeding system is used for broilers and laying hens.

PFV: precise feeding per hopper

The PFV is designed for applications with a valve feeding system, where an exact target fill weight can be set for each hopper individually. The filling level is controlled in kilograms for each hopper. This allows different hoppers within a single line to be filled with varying weights, e.g., 20 kg in one hopper and 50 kg in another. The PFV-9400 valve feeding system is mainly used for breeding stock (parent stock).

STANDARD OPTIONS	PFA-9400	PFV-9400	PFV-9412
Suitable for	6 poultry houses	20 animal groups	4 animal groups
Stock silos	16	16	16
Ingredients	8	8	8
Transport and discharge systems	6	10	4
- Optional discharge auger with optional sensor	✓	-	-
- Time switches, free programmable	1	12	12
Feeding times per day	24	24	24
Feeding curves per time switch	✓	-	-
Curves available per animal group	-	6	6
External alarms	20	20	20
Valves	-	60	12

EXPANSION OPTIONS	PFA-9400	PFV-9400	PFV-9412
Diverter valve for control of two or more transport systems	✓	✓	✓
Communication via RS-485 PCB	✓	✓	✓
Functional expansion via module/FN bus	✓	✓	✓
Preparing stock for next feeding cycle		✓	✓
Emptying the storage hopper below the weigher	✓	✓	✓

INPUTS AND OUTPUTS	PFA-9400	PFV-9400	PFV-9412
Relay outputs 230Vac/2A	6	0	6
Digital outputs 35Vdc/30mA	3	0	3
Error relay 24Vdc/2A	1	1	1
Supply voltage 24Vdc/120mA	1	0	1
Supply voltage 24Vdc/30mA	1	0	1
Supply voltage (feed weigher) 24Vac/25VA	1	0	1