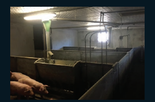
Examat

FEED PRODUCTION

PNEUMATIC DISTRIBUTION

Pneumatic distribution to weaning or fattening sections can be used to transport granulated feed, meal, and damp corn-based formula. The pneumatic distribution system may be an extension to the feed production equipment, or a specialised independent facility. The system's flexibility means that dry feed can be distributed along very long buildings, or buildings located



some distance away. The new switches with cylinder valves lower maintenance costs.

HYDRENSIL

Asserva has designed the Hydrensil system for granulated corn stored in clamp silos. A hydraulic system carries water loaded with corn from the soup machine to the Hydrensil. A tank can hold enough corn for the day. A pipe is fitted to the bottom of the Hydrensil tank to draw off corn which is transported to the soup machine, that weighs the quantity taken. This system is advantageous as it does not

require close proximity to the soup machine, which is often difficult to access.

Joseph, pig farmer, Brittany.
Farm fitted with pneumatic feed production equipment. Installed in 1997.

"I'm one of the first to have chosen this process. I got my farm fitted out to store 1000 tonnes of grain with a pneumatic granulator. This setup means that I can use grain produced on my farm. It becomes worthwhile when you are able to cover 70-80% of needs. This has its advantages: grain is harvested according to the weather and humidity, and I'm no longer subject to market prices, which can save me around €40/tonne.
The pneumatic feed production equipment also guarantees the same standard of feed, and ensure it keeps well. The equipment is tailored to suit my farm: the 80m circuit is powered by a single supercharged engine for suction and discharge. An auger system would be much less efficient. Not to mention being easy to use: daily production is scheduled using a computer.
The biggest job is the harvest!"

MORE FROM ASSERVA

THE MATERNEO RANGE

A solution for automated management of farrowing sows: from monitoring silo supplies to alerts when farrowing is taking place, and including feed management.

THE SELFIFEEDER RANGE

A feed solution for free-roaming gestating sows with controlled access and feeding. Group management for individual feeding

AN AIR CONDITIONING RANGE

Designed to create healthier conditions on the farm. A complete range of energy saving air conditioning systems, as well a heating and LED lighting range.

A RANGE OF WOOD-BURNING BOILERS

Cost effective wood-burning and heat pump heating solutions, with calorific recovery from farm buildings.

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Multifeeder

LIQUID FEED FOR PIGS

Examat

FEED PRODUCTION ON THE FARM

AUTOMATIC, FLEXIBLE, PROFITABLE

Attentive to your needs, as well as your technical and financial restrictions, Asserva brings you the Multifeeder.

asserva
AUTOMATISMES D'ÉLEVAGE

Jacques, breeder/feeder, Brittany.
Farm fitted with a soup machine with prefabrication of damp corn.

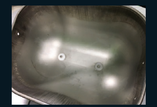
"We have had an automatic soup machine since 1988. We carried out some improvements in 1992, 2000, and 2010 as the farm expanded. We kept the original system which had been expanded, and the updated computer systems.
We made savings by investing. Five years ago, when the cost of feed went up, we chose damp corn prefabrication because we had the silos and storage facilities.
This was also part of why we wanted to lower our production costs. Corn is granulated at harvest and maintained at 34% humidity. Stored on the farm, there's no need to go back and forth drying out and adding water. It makes absolute sense in light of today's environmental concerns! Efficient technical facilities mean optimised farms, focusing on what matters, and saving time to observe and analyse."

Multifeeder

SOUP MACHINE

BIORHYTHM FARROWING SYSTEM

The Biorhythm Farrowing System is a feed distribution concept that automatically manages an increase or decrease in feed quantities delivered to the sow's trough in line with the animal's appetite. The trough is fitted with a stainless steel feed probe that informs the machine of any rejected feed, so that it can then be adapted to suit the animal's needs and avoid waste.



MEDISAT

The Medisat system is used to prefabricate automated supplements, with precision to 10g, which will be added to the soup for distribution once finished. Soluble and liquid products can be used.

Examat

1. **GRAIN CONTAINER TRENCH**
   The container trench is designed to hold the same amount of grain as a lorry, saving you time when loading.
2. **GRAIN AUGER**
3. **GRAIN SORTER**
   This slim-line piece of equipment removes foreign bodies from grain to maximise storage space.
4. **BUCKET ELEVATOR**
   Its buckets guarantee the best possible flow of grain.
5. **CROSS AUGER**
6. **CELL SELECTION VALVE**
7. **STORAGE CELL**
8. 9. **MINERAL STORAGE**
   Moulded and equipped with a motor, the vats come with an automated agitator.
10. **PRODUCTS HOOVERED UP AND SENT TO GRAIN GRANULATOR**
    Pneumatic suction optimises the grain flow through pipes and avoids residue, both in and out of the system.
11. **GRAVITY GRANULATOR**
    With an adjustable mesh to avoid all risk of blockage, the gravity granulator provides a higher flow for the same power, thereby using less electricity.
12. **SUCTION UNIT – MIXER**
    The supercharged suction unit inhales, holds, and mixes grains. Added bonus: comes with resistant steel vat already fitted.
13. **PNEUMATIC TRANSFER AND DISTRIBUTION SYSTEM TO SUCKLING, WEANING, AND FINISHING STOCK.**
    This process bypasses both the soup and the damp corn, thereby saving on the cost of drying the grains. Easy for breeders to use, it distributes feed on a room-by-room basis.
14. **TRANSFER OF FINISHED PRODUCT TO FEED STORAGE SILO**
    The pipes, which can be buried, are able to transfer the finished product up to 300m.
15. **DAMP CORN TOWER SILO**
16. **TOWER SILO AUGER**
    Fitted with a frequency adjuster, it automatically regulates flow to suit the corn's moisture content.
17. **DAMP CORN GRANULATOR**
    The stainless steel granulator protects against abrasions and corrosion.

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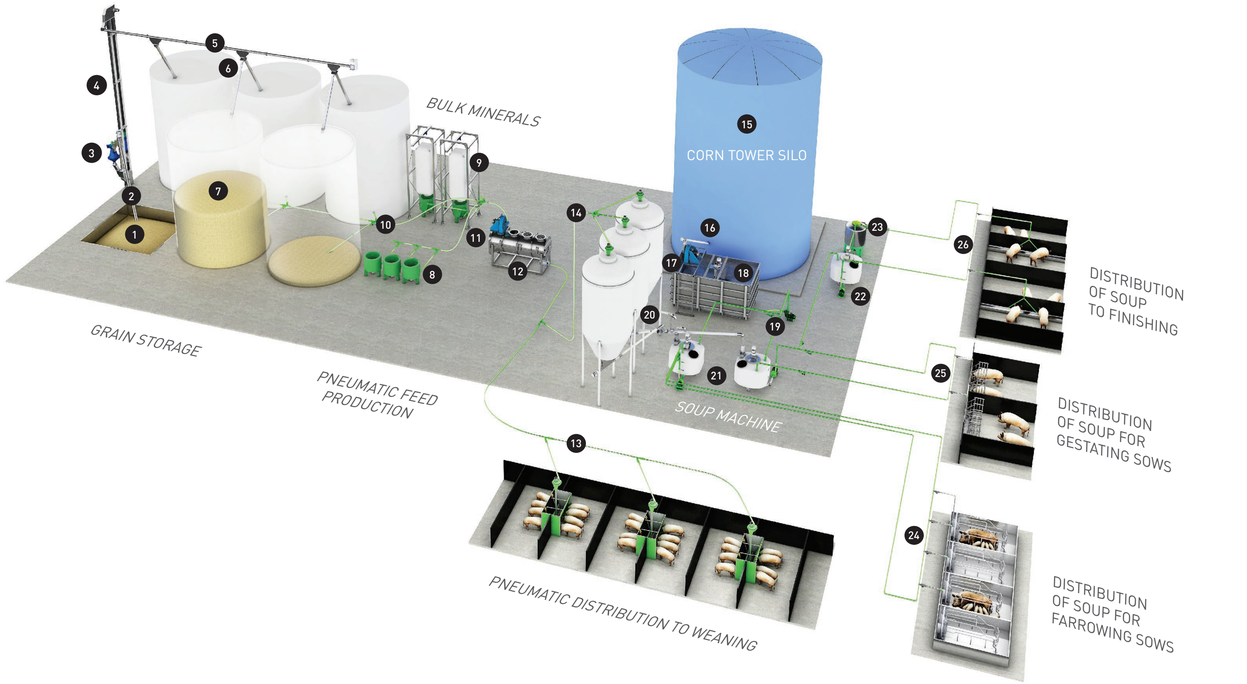

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AUTOMATISMES D'ÉLEVAGE

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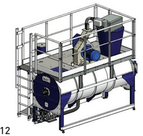
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Multifeeder

18. **STORAGE VAT FOR DAMP CORN + WATER**
    Designed by Asserva, the capacity of the modular vat can be changed to suit your needs. It prepares the feed by mixing corn and water. Available capacity: 3000 to 30,000 litres.
19. **DAMP CORN PUMP TO SOUP MACHINE**
    The turbines and pumps used to transport the corn and soup have been strengthened. Pumps come in stainless steel.
20. **FEED COLLECTION AUGER TRANSPORTING FEED TO SOUP MACHINE**
    A collector auger is used to transfer feed to soup machine. A single point of output for the feed makes it easier to wash and improves hygiene.
21. **SOUP PREPARATION AND DISTRIBUTION MACHINES**
    Asserva provides a range of vats to meet your farm's specific needs: stainless steel, polyester, and rotational moulded, to guarantee hygiene and feed quality. They are fitted with a slow stainless steel mixer and variable gears that take the speed at which the vat is being filled into account.
22. **SOUP DISTRIBUTION MACHINE**
    To manage issues arising from the distance between different farm buildings, a preparatory vat can be connected to a vat that is used solely to distribute feed.
23. **MENU SEPARATION**
    The menu separation vat is used to distribute different kinds of feed using the same pipe, without mixing them. Water meals can be distributed when the machine is not in use.
24. **DISTRIBUTION OF SOUP TO FARROWING SOWS**
    Feed distribution for pregnant sows is managed using a special, precision valve. Combined with a gauge built into the stainless steel trough, it automatically modulates portions for each animal.
25. **DISTRIBUTION OF SOUP TO GESTATING SOWS**
    Attachments and bolts are all stainless steel to combat corrosion.
26. **DISTRIBUTION OF SOUP FOR FINISHING**
    Fitted with tubular valves, this distribution method is perfect for damp corn.
27. **CONTROL STATION**
    All of the machines can be connected to a network.

DATA TRANSFER TO TABLETS OR SMARTPHONES

ALL OF OUR MACHINERY IS COMPATIBLE WITH "DOMOPIG" DATA PROCESSING