Milking Systems for Sheep & Goats

Keep efficiency high

MILKING SYSTEMS

Milkplan®
FARMING TECHNOLOGIES

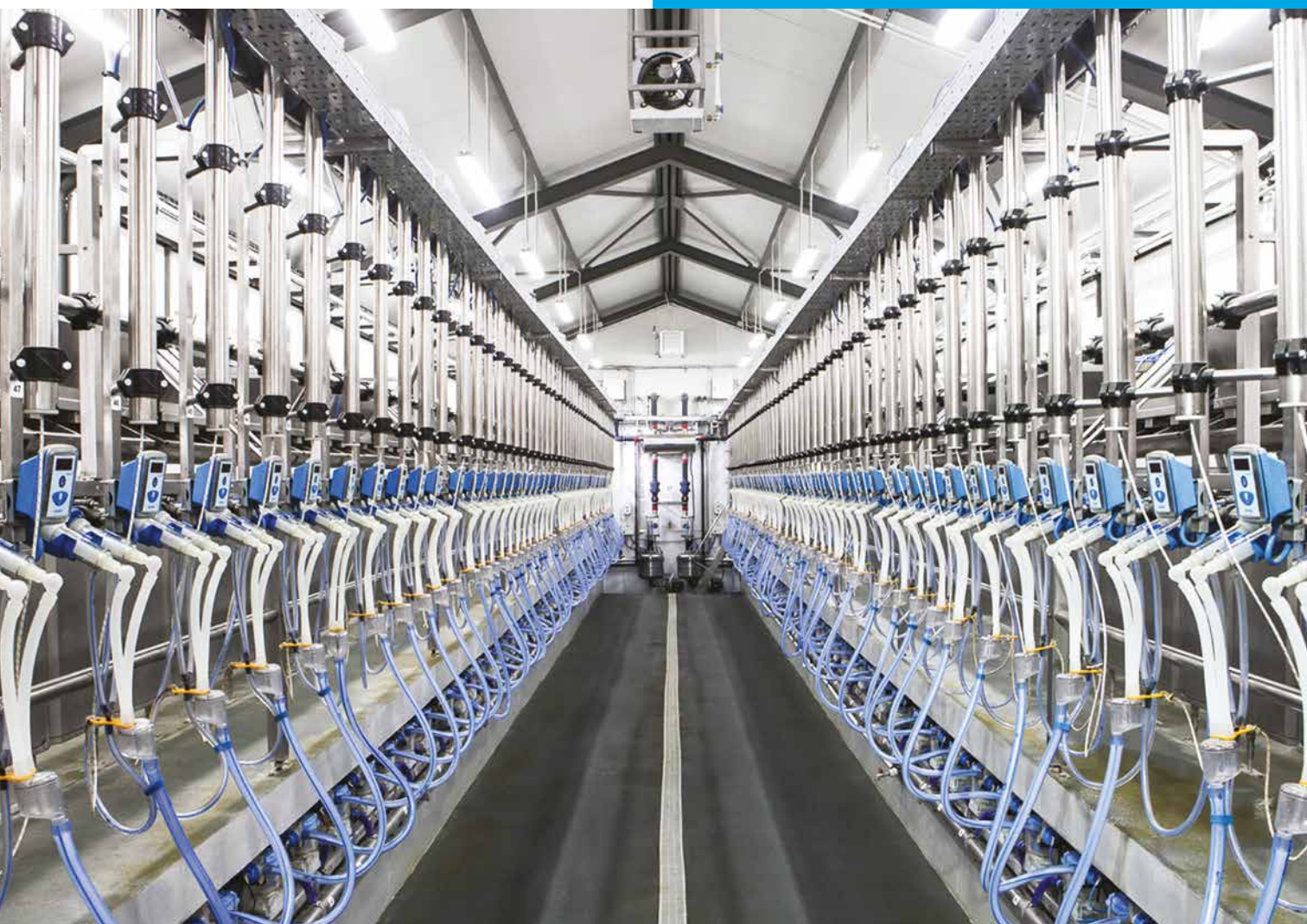
Milking Systems for Sheep and Goats

MP Armektron milking systems are designed to fully meet the farmers' needs. They can be adapted to any space, ensuring easy entry and entrapment of the animals. They are manufactured according to the highest quality standards and can be combined with the most modern electronic herd management equipment, so that to ensure a complete and updated database.

MP Armektron
Fast 4 All (F4A)

Technical specifications

- Sizes from 1x8 to 2x48.
- Robust construction made of hot-dip galvanized or stainless steel (DIN 1.4301, AISI 304).
- Individual rotating separation doors with automatic closing and return mechanism after milking.
- Single feeding tank, pneumatically-operated metal flaps and cover.
- Hot-dip galvanized or stainless steel (DIN 1.4301, AISI 304) individual feeding troughs.
- Manually or pneumatically operated entry doors with rollers.
- Animal position range in the stall from 330mm to 400mm.



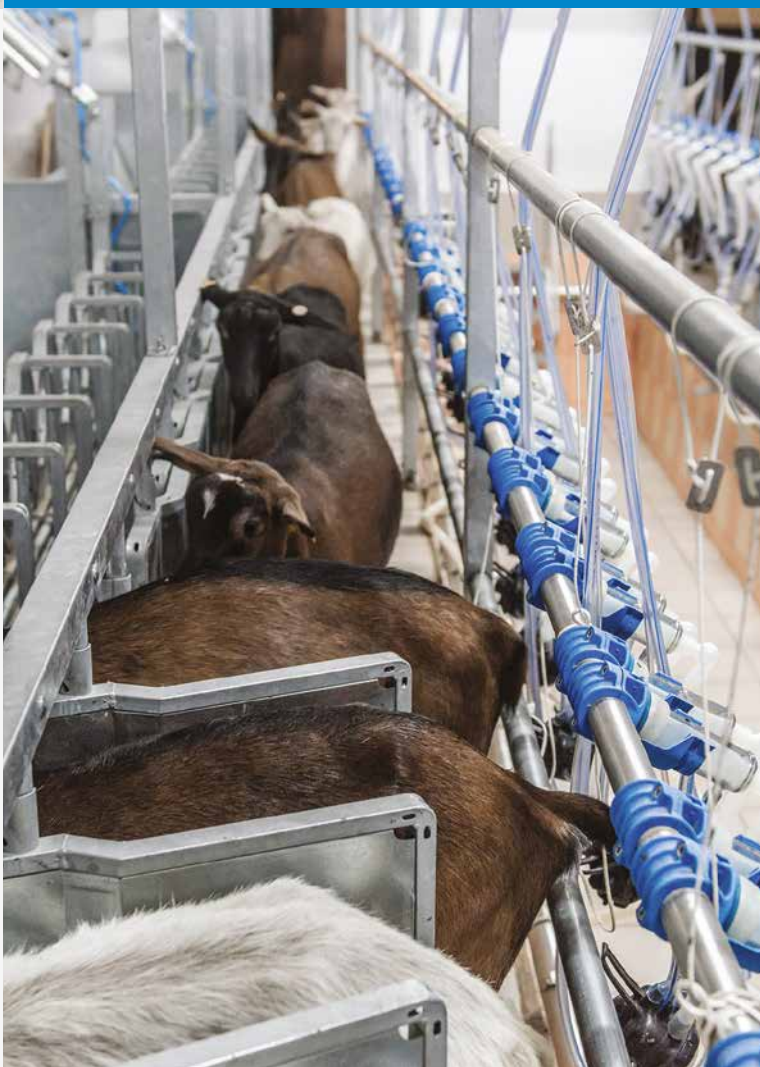
Operating characteristics

- Smart design for easy and stress-free movement for the animals.
- Specific feed amount per position during milking process.
- For medium and large sheep and goat farms.

Plus

Optional equipment:

- Automatic feed filling mechanism with a flexible rotating screw or conveyor or automatic feed filling mechanism with a chain.
- Feed storage silos from 200kg to 2t.
- Pneumatically-operated head locks and safety switch (specially designed for goat parlors).



Equipment
MP Armektron Fast 4 All
Model (F4A)

Technical specifications

- Silicone liners according to ISO standards.
- 120cc milk claws with complete and independent shut-off function, with or without valve, concurrent pulse type and bracket for the automatic cluster removal (ACR) systems.
- Stainless steel milk receiver, vertical or horizontal type, 60-100lt, three-phase or single-phase pump up to 2Hp and 620mm stainless steel filter.
- Milk and washing tubes made of food grade anti-magnetic stainless steel (DIN 1.4301, AISI 304).
- PVC vacuum and pulsator tubes (10atm).
- High-durability, lubricated or dry vacuum unit up to 4,500lt/min and stainless steel vacuum balance tank.
- High-precision electronic, waterproof pulsators.

Plus

Optional equipment:

- Inverter MP Nautilus, available from 2.2kw to 15kw, for energy saving up to 40%.
- Installation of milk equipment in low or high line, or Installation of middle line milk equipment as a more cost-efficient solution.
- Air purge system for the milk removal through filtrated compressed air.
- Electronic milk measurement and herd management system.

Wash & Pulsation Control
MP Armektron Fast 4 All Model (F4A)

The cleaning of the milking system is a prerequisite for high quality milk. “MP Armektron 2 to 1 Pulse & Wash” ensures proper cleaning and pulsation control.

Technical Specifications

MP Armektron 2 to 1, Pulse & Wash

- 2 in 1 system for automatic washing and control of pulsators 12/24V.
- Anti-magnetic stainless steel panel (DIN 1.4301, AISI 304).
- PLC software with Armektron Plus program, in accordance with international standards.
- Language selection GR, EN, FR, RU, RO, ES etc.
- Washing tank 80-500lt, closed type, made of anti-magnetic stainless steel (DIN 1.4301, AISI 304) with protective lid.
- Terminal control switch to ensure the right position of the milk tube.
- Electric drain excess-flow valve DN50 for direct evacuation of the tank from the wash water.
- Anti-magnetic stainless steel (DIN 1.4301, AISI 304) detergent dosage panel.
- High-precision, peristaltic pumps 24VDC, solenoid cold/hot water valves 24V 3/4" and acid-resistant tubes.

Operating characteristics

MP Armektron 2 to 1, Pulse & Wash

- Supply of extra hot water during washing.
- Automatic reset in case of power failure.
- Excellent adjustment precision in all 4 pulse phases (A, B, C, D).
- Control of air inlet device (Air injector) during washing.
- Control of milk removal device (Air purge).
- Compatibility with all inverters.

Plus

Only for Armektron 6.0 system

- Two IP65 temperature sensors with malfunction alert.
- Hot water conservation during washing with inline heater system and a 12kw resistance.
- Automatic update for maintenance and replacement of accessories.
- Different temperature and time selection in each cleaning process, according to the detergent and chemical used.

MP Armektron Fixed for Start (F4S)

A simple, cost-efficient and effective milking system with fixed stalls for livestock units with a small number of animals.

Technical specifications

- Sizes from 1x6 to 2x24.
- Manually-operated head locks with serial locking per position.
- Individual feeding troughs.

Operating characteristics

- Easy installation and operation.
- Minimum maintenance.
- Can be also combined with portable milking systems.

Plus

- Manual side doors.
- Single feeding tank with specific feed dosing per position.
- Automatic feeding tank filling.

MP S&G Milking trolley

Portable milking system for small sheep and goat units.

Technical specifications

- For 2 or 4 sheep and goats.
- Food grade PVC, aluminum or stainless steel 30lt milk receiver.
- Dry vacuum pump 230 V, 0.75 HP, 220 lt/min for 2 sheep and goats.
- Lubricated vacuum pump 230 V, 1.5 HP, 350 lt/min for 4 sheep and goats.
- Silencer for noise reduction.
- Milk cluster bracket.
- High quality and durability liners & clusters.
- High precision vacuum regulator.
- Pneumatic pulsator with stainless steel cover or electronic pulsator with pulse adjustment plate.
- Glycerin gauge.

Smart for Small (S4S)

The S4S milking system is a smart and cost-efficient solution for small herds that fully meets the farmer's needs.

Technical specifications

- Combined with a fixed stall, it can be equipped like the MP Armektron Fixed for Start milking system.
- Combined with a fast exit stall, its technical specifications refer to the MP Armektron Fast for All.

Operating characteristics

- Pneumatic or electronic pulsators.
- Open type, 80lt washing tank.
- High-durability silicone liners and milk claws.

Plus

- The advantages of MP Armektron Fast for All.
- Upgrade of the washing system to MP Armektron 2to1 Pulse & Wash.
- Addition of a water heater for hot water supply.

MP Armektron Mobile

Transportable milking system for sheep and goats, ideal for moving livestock units with a large number of animals. Any MP Armektron model (F4A, S4S ή F4S) that fully meets the needs of the livestock unit can be installed on the specially-designed transfer platform (up to 1x32 positions).

Technical specifications

- It combines all the advantages of a complete milking system in one mobile platform.
- Open or closed type platform.
- Automatic exit ramp lifting system.
- Special mechanisms for slope and height adjustments.
- Electrical lighting installation and power supply sockets.

Operating characteristics

- Easy transportation even in rough roads.
- Smooth entry and exit for the animals.
- Automatic washing.
- Safe and fast milking.

Plus

- Power supply generator.

Easy set Up

Easy Set Up is a specially-designed platform which can be placed everywhere fast and easily without installation, additional costs or any special arrangement to the farm. Easy Set Up can be provided with the MP Armektron F4A or MP Armektron S4S milking systems.

Technical specifications

- Integrated entry/exit ramps.
- Stall with individual feeding troughs.
- Feeding tanks.
- Automatic feeding mechanism.
- Liners and milk claws.
- Milk receiver and vacuum unit.
- Simple Wash or Pulse & Wash 2to1 washing and pulsation system.

Operating characteristics

- Easy and fast installation.
- Minimum space requirements.
- No building permit required.
- No extra installation costs.
- With an electrical switchboard or an optional generator.

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