

FERROLINK

LUBRISTAR PLUS®



SPRAYING SYSTEM FOR FORGING OPERATIONS

The current practice

In many forging plants traditional mould release systems are still used to protect the work piece from adhesives in the die. The systems are proven in the past, but are in many ways a disadvantage when compared with modern automatic or semi-automatic spraying systems.

Sawdust

- + Low cost
- + Proven method
- Inconsistent surface quality of work pieces by different executions (increased scrap rate)
- Reduced durability caused by explosions
- Additional manual operation of the blacksmith (time loss)
- Negative working conditions and safety risks in the hammer area
- Environmental pollution and fire hazard by burning, flying flour (CO by - incomplete combustion)
- Increased maintenance operations cause machine down time and additional staff

Spraying by hand

- + Low cost (compared to an automated system)
- + Variable
- + Proven method
- Inconsistent surface quality of work pieces by different executions
- Risk of "over-or under spraying"
- Additional manual operation of the blacksmith (time loss)
- Pollution and cleaning costs by spreading loss
- No lubrication between single strokes
- Negative working conditions in the hammer area

The solution: Lubristar Plus®

Lubristar Plus® is a practical modular solution for immediate use in modern forging shops. The low volume lubrication system is specifically designed to meet the demands for improved working conditions, high consistent quality requirements along with most economic conditions. With state-of-the-art automation technology, the consumption of release agents in the forging process can be ideally planned and integrated into the production chain. The modular and flexible design allows the installation through in-house maintenance staff. A later reset to other forging lines is easily assured.

Components

- 6 bar pressure tank, 18 liters total volume with safety valve and quick exhaust
- Pressure distribution plate with service unit
- Valve housing
- Control box with integrated touch panel
- Spray valves (2 x2) with fixture and heat protection plate

Technology

- Siemens S7 control system
- Workpiece-related programming recipes
- Minimum spraying cycles from 0.025 seconds up
- Skip spray mode
- Scale blow and dry blow function
- Proven spraying technology with security certificate
- Optional add-on spray valves
- Self-installation instructions

All benefits at a glance

- Modern minimum spraying technology
- Spraying of most available release agents incl. graphite-containing (limited) and water-based media
- Consistent quality features
- Increased mould durability
- Improved work piece flowability
- Minimum cycle time through staff relief and stroke rate reduction
- Improved environment through reduced emissions of smoke and sparks
- Reduced cleaning time
- Cost effective starter kit with self-installation
- Possible reset to other forging lines
- Short shot spraying of upper die before selected impact
- High accuracy targeting through fixed nozzles

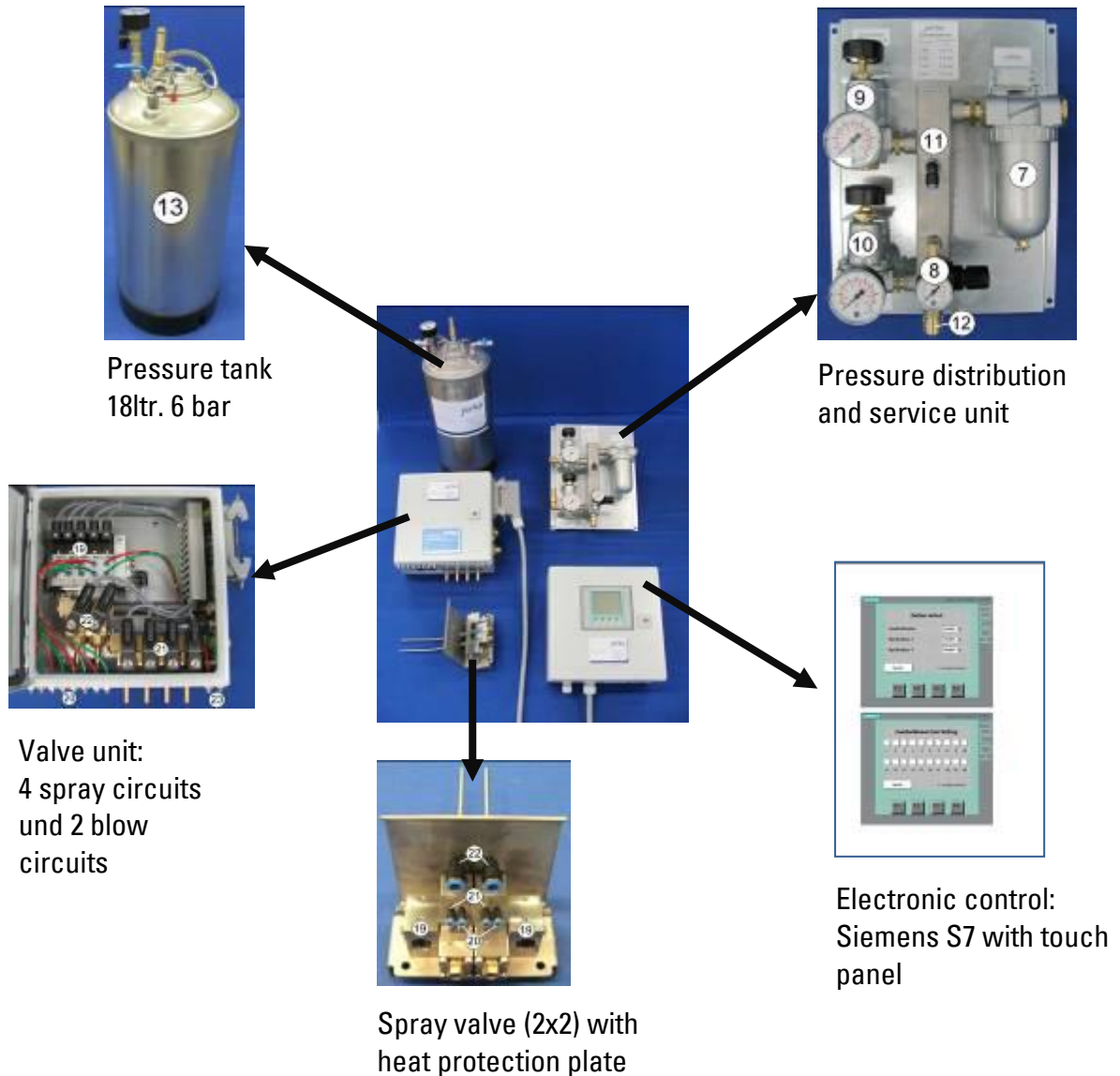


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The modules of the starter package



The system is modular and can be installed on site with little effort and production downtime.

The documentation contains a detailed installation manual. Optionally the system can be installed by the manufacturer's staff.