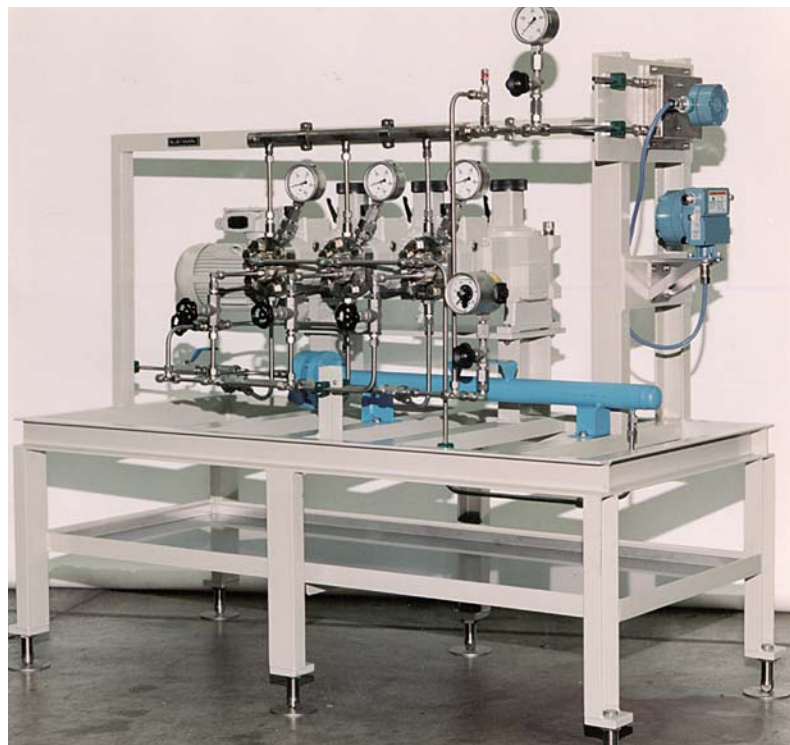


## Precise metering of blowing agents

For the production of extruded foams a uniform injection of the blowing agent adapted to the production speed is decisive for the quality of the final product. LEWA supplies self-controlled metering systems as complete units ready for operation specially designed for metering of blowing agents, which are also perfectly suitable for the upgrade of existing systems.



These metering systems mainly consist of the precisely controllable metering pump (the adjusting unit), a flowmeter with continuous signal (the measuring unit) and the LEWA FIS micro-controller specially designed for metering of fluids, which is connected to the extruder control via the guide signal. This allows a very safe operation by continuous, reciprocal control of metering pump and flowmeter and the measuring values are not only compared but also checked on plausibility. Moreover, fluctuations of process variables such as pressure and temperature are compensated by a closed loop control.

## The advantages of the LEWA metering systems

- compact, proven for years, ready for operation units for all types of extruders
- also suitable for upgrades
- for all types of blowing agents
- hermetically tight
- low maintenance costs and long service life
- integration into the process control of the complete installation
- all components are adapted to each other and supplied from one source
- decades of experience with metering systems
- qualified service worldwide
- coolers, storage tank, instrumentation and monitoring can be supplied on request



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