



INLINE METERING OF ADDITIVES FOR PLASTICS EXTRUSION PROCESSES



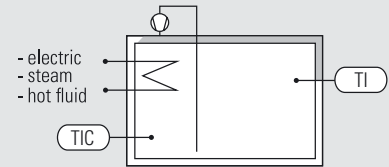
- Suitable for all additives
- Reduces or eliminates expensive master batches or compounding
- Many different types of control configurations are available
- Mass flow control for flexible and safe process
- Wide pressure range, up to 500 bar (7752 psig)
- Wide temperature range, up to 130°C (266°F)
- Wide flow rate, from 0.1 kg/h (0.22 lb/h) up to 200 kg/h (441 lb/h)
- No deterioration due to local overheating
- No clogging due to cold spots

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Modular structure of the components

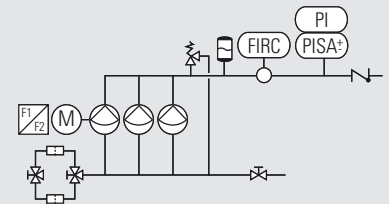
LEWA Heating Module

- Insulated stainless steel cabinet with controlled air cycling and sensors. All operating devices accessible from outside. Heating can be electric, steam or thermofluid.



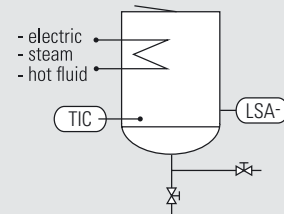
LEWA Metering Module

- Single or multiheaded metering pump with strainer, safety valve, pulsation damper, flow meter and pressure control.



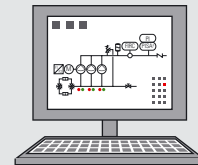
LEWA Melting Module

- Different sizes of stainless steel vessels are available with heating jacket, sensors and optional mixer. Heating can be electric, steam or thermofluid.



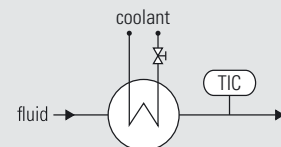
LEWA Controls

- PLC slave
PLC independant
Microcontroller
Relay technology
Optional Explosion proof



LEWA Cooling Module

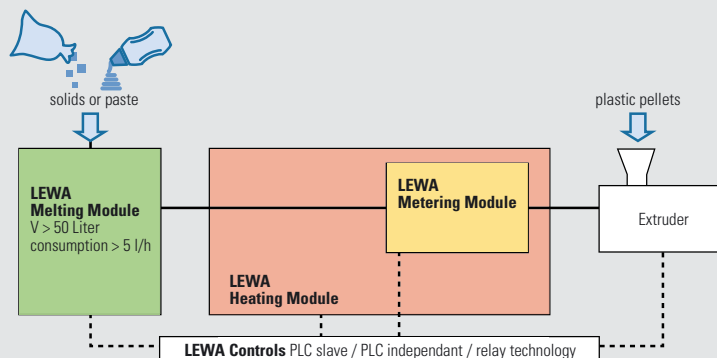
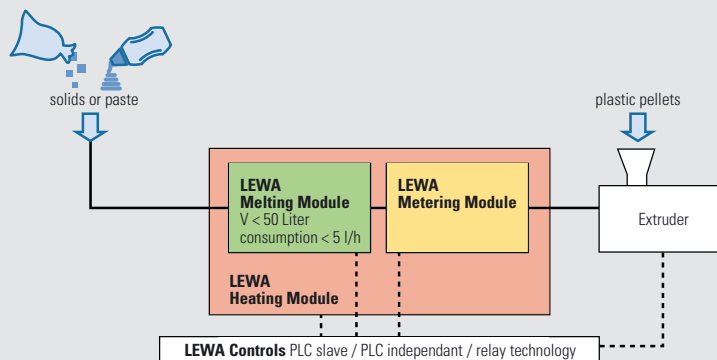
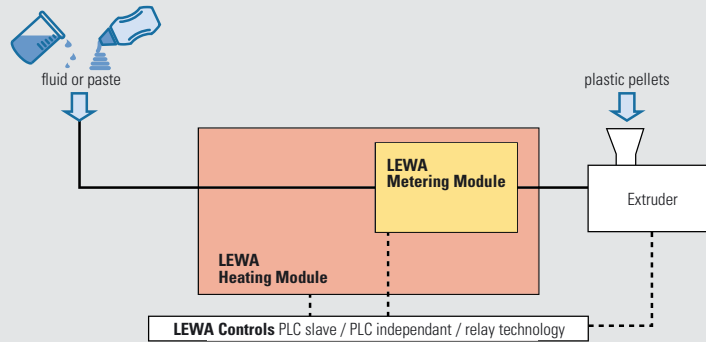
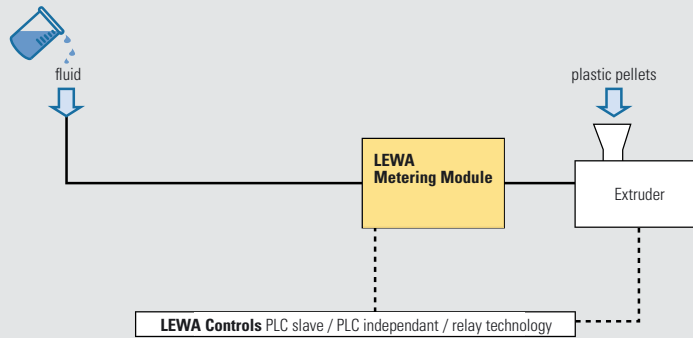
- Plate or pipe bundle type heat exchangers. Optional refrigerating machine for all types of thermo fluids.



Customized layout is available too

INLINE METERING OF ADDITIVES FOR PLASTICS EXTRUSION PROCESSES

Modular arrangement of inline metering of additives for plastic extrusion processes



Customized layout is available too

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Examples



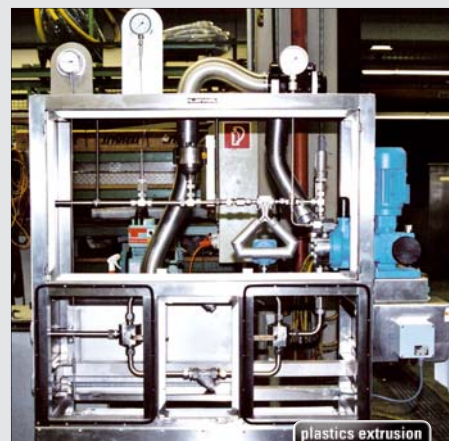
■ ECO cool process



■ Hot process
(with integrated
melting module)



■ ECO hot process
(front view)



■ ECO hot process
(inside view)



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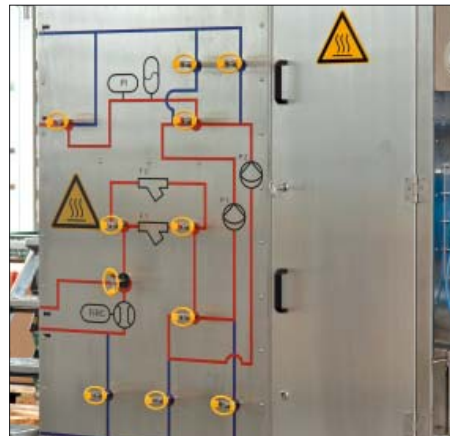
INLINE METERING OF ADDITIVES FOR PLASTICS EXTRUSION PROCESSES

Any combination of the LEWA modules for additives in plastics extrusion processes are well suited for providing fully automatic, clean, safe and flexible extruding. The stainless steel LEWA heating module provides easy access to all components without any dismantling of insulation or trace heating.

The knowledge and experience gained by LEWA is behind the development of proportioning equipment that meets your most stringent process needs.

We handle all your additives:

- Flame retardants
- Anti-blocking agents
- Anti-fogging agents
- Anti-static agents
- Lubricants
- Wetting agents
- Plasticizers
- Blowing agents CO₂, Butane, Pentane a.o.
(ask for separate customer information leaflet no. D8-005)
- Anti-oxidants



For further information please contact: