

LF-Series

Gravimetric Liquid Feeder



**Gravimetric Liquid Feeder LF-Series. Shown above:
Liquid Feeding in laboratory dimensions with gear metering pump.**

By using LF-Series liquid feeders various requirements of Plastics and Rubber technology, chemical industry as well as pharmacy and foods technology could be satisfied.

The LF-Series unit can be used as „stand-alone“ feeder, multi component liquid dosing unit and as elements of a multi component blender for bulk materials and liquids.

Based on the technology of our X-Series continuous gravimetric Blenders the LF-Series Liquid Feeders are real “Loss In Weight” metering units.

They are equipped with high resolution load cells whose signals are analyzed with modern DSP (Digital Signal Processor) technology and PWM (Pulse Width Modulation) controlled motors for an exact defined throughput of the dosing pumps.

The throughput and/ or recipe is entered via our established Mini-Op control panel with the same features like for all Blenders of our X-Series (e.g. PCC-Web®).

For Liquids with divers attributes (viscosity, corrosiveness,...) we can offer miscellaneous dosing pumps (gear metering pumps, piston pumps, hose pumps,...). These pumps were combined with PROCESS CONTROL drives with suitable speed range and torque.

As an option we offer encapsulation and CO₂ or N₂ atmosphere for inflammable or explosive liquids. For example for the dosing of Peroxides for the production of PEX.

Because of the variety of attributes and possible media we work very closely with our customers in this phase. For detailed and accurate tests and evidence of the demanded feeding accuracy there is a very well equipped laboratory available at PROCESS CONTROL in Birstein.



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