



SEEFRIED Verfahrenstechnik GmbH provides you with a dosing system tailored to your requirements; "Turn Key".

An important task in pharmaceutical & cosmetic factories is the weighing of raw materials according to given recipes in the course of batch preparation. A substantial effort in this area is attributable to an average number of raw materials that are required at high frequency for the batch process in the homogenising mixers. Unless a fully automatic dosing system is integrated directly into the process plants, the weighing process has up to then been a manual work step.

SEEFRIED Verfahrenstechnik GmbH has designed an efficient and easy-to-use weighing station for liquid components.

The various liquid materials are connected to the weighing system via a pipeline system and dosed into the corresponding vessels according to the recipe specifications. Elaborate handling and transportation of the liquid raw materials to the scales is dispensed with, as well as the re-storage.

The result is a significant increase in efficiency in the area of weighing and a substantial improvement in process reliability.

The dosing head accommodates up to 15 dosing valves and is optimally positioned above the scales at the height and position of the raw material container. The dosing head can be maneuvered by means of a vertical axis and an (optional) transverse axis and thus supply a further set of scales. In a separate liquid raw material store, the liquid raw material is fed to the scales from storage tanks or also from IBC tanks via pumps and pipelines. The control is carried out via touch visualisation for each raw material in the area of the scales. Optionally, the corresponding quantities of raw material can be transferred to the control unit of the scales according to the recipe sequence via an interface from an ERP system. The scales value controls the quantity of raw material to be dosed according to the specifications and the specific run-on times. The dosage accuracy can be adapted to the corresponding raw material by means of a correcting factor. Furthermore, a label or barcode printer can be connected as an option in conjunction with the scales.

DOSING STATION FOR LIQUID RAW MATERIAL COMPONENTS

- Dosing of up to 15 different liquid raw materials
- Mobile vertical axis, adjustable to the container height
- Mobile horizontal axis, supplying of a second set of scales
- Interface to ERP system and weighing terminal
- Visualisation of the control unit via colour touch panel
- Label / Barcode printer (optional)
- Pipeline connections
- Explosion-protected design in accordance with ATEX regulations
- Storage tank connections
- IBC connection
- Feed pumps with control units



Tank and IBC store with feed pumps



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