

## Doser

### Syrup components dissolving and dosing centre



### Specification

Doser is designed as free standing equipment for dissolving, storage and dosing of crystalline and powder syrup components in water of a desired temperature as citric acid, artificial sweeteners, vitamins and other components followed by exact dosing into syrup room tanks. It is also used for dosing main components of syrups like liquid sugar, water, aroma and fruit concentrates into syrup tanks.

This assembly consists of valve clusters fitted with flow measuring devices and distributing flow plate, mixing tanks fitted with variable speed driven agitators, low volume tanks for dosing aromas, water heating cluster and variable speed pumps. The equipment is of an advanced design fixed on base frame together with electric cabinet and bearing an operators platform for easy access to open lid tanks and crystalline and powder components, which can be stored on the platform.

### Features

- Assembly capable of feeding up to two syrup preparation centers
- No need of operator except of manipulation with crystalline and powder components, changeover on flowplate and procedures choice on operators panel
- Easy to operate and change of fully automatic procedures
- Continuous measuring of level height including volume calculations in mixing tanks
- Use of variable speed driven agitators according to type of component to be dissolved
- Automatic volume and flow control of components to be delivered into syrup room
- Fully automatic CIP procedure, low volume of cleaning agent required

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- Consequent CIP procedure on one tank when second tank is being used in production
- Allen-Bradley PLC control system with operators panel – easy to operate
- Communication prepared for up to two syrup mixing centres, liquid sugar, liquid citric acid storage centres and CIP unit
- Easy to maintain, minimum of moving parts
- Standard of up to 20 recipes of syrup, up to 100 recipes available on request
- The equipment is fitted with free standing scale system communication used for components delivered in aseptic containers

### Technical specification:

Dosed component flow (max.)	100 LPM	200 LPM	300 LPM
Main component flow (max.)	10,000 LPH	20,000 LPH	30,000 LPH
Volume of dissolving tanks	2 x 500 ltr.	2 x 750 ltr.	2 x 1000 ltr.
Dimensions max. (a x b x h)	3.2 x 2.3 x 2.2	3.8 x 2.5 x 2.3	4.0 x 2.8 x 2.5
Power demand	10 kW	14 kW	18 kW

**Price on application**

Prices exclude vat and delivery