

Ingredients Dissolver

Unit for dissolving small batches



APPLICATION

A vessel with a maximum liquid volume of 250 litres, equipped with a small recirculation unit and a radial jet mixer to dissolve water-soluble powder or concentrate up to 200 cP. Ingredient containers in all sizes and forms can be used to feed the vessel. The small liquid barrel can be washed out in the vessel directly after feeding. The washing function can also be used to purge ingredients from the can and to reduce the addition time for each ingredient.

A typical application can be:

- Dissolving taurine or dextrose fed manually with sacks

HIGHLIGHTS

- Dumping lumpy ingredients directly into liquid without concern over clogging
- Using one pump for discharge and mixing

WORKING PRINCIPLE

The Ingredients Dissolver is equipped with a centrifugal pump that recirculates water added to a 250-litre vessel inside. A radial jet mixer creates turbulence inside the vessel to dissolve added ingredients. A fixable cover allows the dissolver to be incorporated into regular CIP cycles. The recirculation pump is also used for product discharge and CIP.

TECHNICAL DATA

All parts in contact with the product are made of AISI 316L. The frame is made of AISI 304L.

Our standard sizes are:

- 250 litres

Electrical power

4 kW 400 V, 50 Hz

Treated water

300 kPa (3 bar)

Compressed air

600 kPa (6 bar)

CONTROL PANEL

Delivered without control panel

MAIN COMPONENTS

- Dissolving vessel
- Pump
- Set of manual and pneumatic valves
- Level switch for pump protection

EXAMPLE LAYOUT

Measurements on request

