

Exhibition News !!!

ystral

ystral DaiTec-Conti-TDS

for the induction and agglomerate-free dispersion of powders into liquids

This machine has been designed especially for applications in the dairy and food products industry. Its advantage is the new **Hygienic Design** and a **powder-adding-table** with an integrated funnel in an ergonomic working height. Because of the high induction vacuum, the machine can be used to induct powders from any powder container using the separately attached **induction tube**.

This is very interesting for very dusty powders, that may not be poured into the funnel from a bag or for inducting large volumes, directly from BigBags, containers or - via a weighing system - from barrels. It is possible to induct liquids directly from a barrel as well.

The mixing table is not combined with the machine itself and therefore it may also be installed on the right or left side of the machine and makes it more easy to clean the system.

The handling is very simple: neither powder nor liquid valves have to be adjusted over and over again for a proper operation.

The machine is offered in four different sizes with a power from **11 to 22 kW**. Only one drive is required and is always operated with a **frequency converter**. This allows a flexible setting of the speed to fit to the individual process.

The machine may be cleaned by **CIP** and - due to the used clamping system - is easy to disassemble and is easy to re-install absolutely tension free.

Additional technical details are:

- **Maximum rate of induction for starch 200 kg/min, for sugar 120 kg/min for milk powder 40 to 70 kg/min for CMC 60 kg/min, for Pectin 40 kg/min**
- **Maximum pumping rate 48 m³/h**
- **Typical pumping rate during powder adding 20 to 30 m³/h**
- **Maximum pumping height 4 to 6 m without additional pump**
- **Only by using this machine a maximum of concentration for a swelling product can be achieved!**
- **For highly thickening or extremely sticking powders optional powder inlets are available**
- **Shear speed up to 20 to 24 m/s**
- **For shear sensitive or easy to dissolve products the stator may be removed, the powder then is inducted only and mixed, but not dispersed**
- **Delivery with manual operated valves, pneumatic operated valves as an option**
- **Switch board, VDE-conform, with speed control at the working table**
- **Execution with mechanical seal Carbon/Ceramic**
- **Cooling and lubricating system independent from the product in the mixing chamber (higher live time, the machine is not sensitive to dry running and may be started without any product in the mixing chamber)**
- **Separate support and bearing system, use of standard motors, no special type required**



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