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DOSING OF FILTER AIDS

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SAFE PROCESSES THROUGH THE USE OF PERISTALTIC PUMPS

Filter aids – reliable dosing of abrasive suspensions

In breweries, yeast and other cloudiness particles are removed from beer during filtration. This results in a crystal-clear beer. Diatomaceous earth and other filter aids are usually used for this purpose. Furthermore, cloudiness stability can be improved by using PVPP.

Challenges in the dosing of filter aids

- In most breweries, beer filtration and stabilisation are carried out using filter aids such as kieselguhr or PVPP. The aim of beer filtration is to produce a clear, bright beer with good turbidity stability.
- Kieselguhr and PVPP suspensions have an abrasive effect and place a mechanical strain on the materials used.
- The required dosing quantities vary between filter pre-coating and the ongoing filtration process. These different performance variants must be covered by the same dosing pump.

Peristaltic pumps from sera – reliable dosing

- **No valves required**: No additional components such as valves are required, which would wear out quickly due to the abrasiveness of the medium.
- **Longer service life**: The slow running of the pumps reduces the load on the hose, thereby extending its service life.
- **Food-grade materials**: Compliant with Regulation (EG) 1935/2004 and FDA standards.
- **Easy handling**: Hoses can be changed quickly.
- **Hygienic process connection**: Milk pipe screw connections or Tri-Clamp connections.
- **Dry running**: The pumps have unlimited dry running.

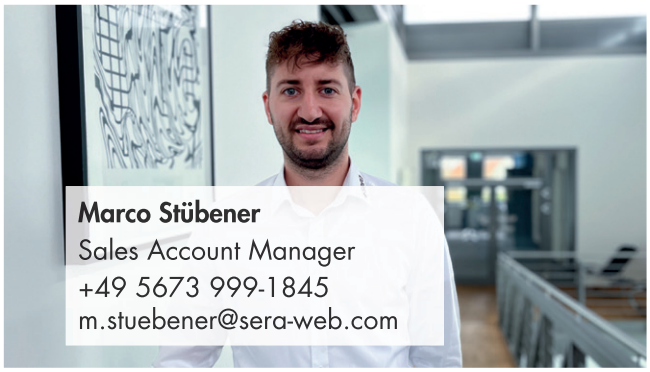
Flexible performance classes

The hose pumps are available in different versions

- Flow rate: 4 l/h to 13,000 l/h
- Max. operating pressure: 10 bar
- Cleaning temperatures up to 80 °C

Your contact persons

Frederik Amrhein
Teamlead – Food & Beverage
+49 5673 999-1870
f.amrhein@sera-web.com



Marco Stübener
Sales Account Manager
+49 5673 999-1845
m.stuebener@sera-web.com

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