NFFOODS Spectrum
perspectives on food technologies & business
ASIA

Watson-Marlow Launches New Certa 800 Sine pump for increased Cheese production

14 August 2020 | News

The latest addition to the MasoSine Certa family of high-performance Sine pumps, the Certa 800 provides flows to 255 m3/h and is now available from Watson-Marlow Fluid Technology Group (WMFTG). Designed to offer enhanced food product quality through gentle handling, the Certa 800 has already proven its ability to reduce fines and increase yield in cheese production trials.



Certa 800 provides flows to 255 m3/h which enhances food product quality through gentle handling and increased yield

The latest addition to the MasoSine Certa family of high-performance Sine pumps, the Certa 800 provides flows to 255 m3/h and is now available from Watson-Marlow Fluid Technology Group (WMFTG). Designed to offer enhanced food product quality through gentle handling, the Certa 800 has already proven its ability to reduce fines and increase yield in cheese production trials.

It was observed that low shear product transfer reduced the number of fines within the curds and whey of the cheese, by more than 20%, while retaining the fat. These results not only mean a significant improvement in the cheese plant's manufacturing capabilities, but a calculated return on investment (ROI) of less than 18 months.

Product integrity by design

Certa 800 not only improves product integrity to reduce manufacturing costs, but also offers more sustainable food transfer. Reduction in shear cuts power consumption by up to 50% with high-viscosity fluids. And, with an EHEDG Type EL Aseptic Class I certified hygienic design, CIP cycles and the amount of water/cleaning agents consumed are also reduced.

No product degradation

The Sine pump benefits demonstrated in dairy applications can also be witnessed in transfer of other food products containing soft fruit, diced vegetables, cooked pulses, or meat. Unlike traditional pumps with rotors that cut through the food, the

sinusoidal rotor gently handles soft solids without blockages and without damaging the ingredients.

Rated at a maximum pressure of 15 bar, the Certa 800 delivers pump speed up to 400 rpm, flow per revolution of 10.64 litres and maximum flow of 255 m^3/h.

Watson-Marlow Fluid Technology Group (WMFTG) is the world leader comprising ten established brands in niche peristaltic pump manufacture and associated fluid path technologies for the food, pharmaceutical, chemical and environmental industries. Watson-Marlow Fluid Technology Group has offices in Argentina, Australia, Austria, Belgium, Brazil, Chile, China, Canada, Denmark, France, Germany, Ireland, India, Indonesia, Italy, Japan, South Korea, Malaysia, Mexico, the Netherlands, New Zealand, Poland, Russia, UAE, Singapore, South Africa, Sweden, Switzerland, Taiwan, Thailand, USA and Vietnam.