

New CPE end-suction single-stage centrifugal pump

The new CPE ANSI process pumps are specifically designed to exceed the strictest energy regulations for all industries as well as the requirements of ASME B73.1. With revolutionary hydraulics and high efficiency, they offer low life cycle costs.



[Click here to see a video about CPE pumps.](#)

The new CPE pumps meet the process requirements in a variety of industrial applications, and are suitable for use with clean or slightly contaminated liquids, viscous liquids of up to 3'000 cSt, and fibrous slurries with a consistency up to 6%. The CPE pump range fits a wide range of industrial applications and will reduce operating costs.

When engineering the new range of CPE pumps, Sulzer considered numerous factors that can potentially influence the total cost of ownership of a process pump. The result is an innovative design that makes it possible for the user to achieve remarkable annual savings. The improved reliability of the CPE pump with optimized shaft sealing reduces the risk for unplanned shutdowns. Heavy-duty rigid bearing units ensure a long bearing life and further protection against unexpected shutdowns.



The new pump design brings higher efficiency that translates into lower energy consumption. Coupled with this, the high standardization, easy installation and robust construction also equate to lower maintenance and operating costs.

Saku Vanhala,
Kotka, Finland

Chewing and crushing solids in sewage water

With the Muffin Monster® and the Channel Monster®, Sulzer has launched a new range of high-efficiency sewage grinders. As the composition of wastewater changes, with an increased amount of tough solids, wastewater operators need extra insurance against blockages for critical pumping stations.

The ever-growing rag content in today's wastewater means that even the world's best pumps may not be enough. When it comes to critical pumping stations, our customers may need more than just the best pump and impeller. Thanks to the acquisition of JWC Environmental, Sulzer is now able to offer a comprehensive range of powerful sewage grinders – the Muffin Monster® and the Channel Monster®. Together with our innovative pump technology, they form a complete solution for handling today's and tomorrow's tough wastewater challenges – ensuring trouble-free operation and maximum uptime.



For the toughest applications, the patented Channel Monster is a powerful, high-flow sewer grinder mainly intended for large pumping stations and headworks. This Monster uses rotating drums to capture solids and direct them into our proven dual-shafted grinders. The result is a high-flow capacity system that will shred the toughest debris into small pieces that can pass harmlessly through pumps, pipes and process systems.



Click here to see a video about Muffin Monster®.

The Muffin Monsters, available in three different sizes, are powerful and compact grinders that fit perfectly into both smaller and larger pump stations as well as within the sludge processing systems of treatment plants. The Muffin Monster dual-shafted grinder uses low speed and high-torque to shred through a wide range of difficult sewage debris. These sewage grinders are adaptable for installations in channels or for wall mounting in front of influent pipes within pumping stations. Muffin Monsters are proven to handle the toughest solids such as disposable wipe balls and first flush loading that can overwhelm even the best pump.

Clive Patten,
Crawley, United Kingdom

Our Muffin and Channel Monster sewage grinders feature the unique Wipes Ready® suite of patented technologies. The engineers developed the Wipes Ready technology to capture all wipes in the waste stream and shred them into small pieces that will not reweave into a ragball in sewage systems.

Upcoming events in 2018

Around the globe, Sulzer takes part in numerous events, exhibitions and conferences. Please check our event calendar to stay informed. Have you already booked your expert at the next exhibition? Check the contact form on the event website.

For more details please visit www.sulzer.com/events.



Augmented and virtual reality atACHEMA 2018

ACHEMA, the world's leading global trade fair for the process industry, took place in Frankfurt, Germany. At the event, Sulzer Chemtech offered all stand visitors free virtual reality (VR) and augmented reality (AR) experiences.



Sulzer Chemtech, the leader in mixing and separation technology, provided a unique showcase at ACHEMA which took place in June 2018. The company allowed its visitors to jump into another exhibition — 100% virtually.

ACHEMA 2018
145'000 visitors
3'700 exhibitors

In this virtual environment, attendees were able to immerse themselves into a full-scale, accurate 360° experience of Sulzer Chemtech's equipment — some of which can reach heights of over 50 meters. At the same time, they were able to interact and access relevant information about the products in the form of text, videos and pictures.

For this experience, Sulzer Chemtech supplied its visitors with a smartphone app and a VR headset. Although ACHEMA is finished, customers may still download the free app to access Sulzer Chemtech's virtual exhibition at: <https://bit.ly/2uvGeln>

The app can also be used without VR glasses by using the smartphone screen for navigation. The app is not the only reality technology Sulzer Chemtech featured at its stand. Sulzer Chemtech also presented a VR experience of a complete process plant and an AR application for a hands-on experience of a chemical process plant. The AR application overlaid video and audio onto the physical world for a firsthand experience of how Sulzer Chemtech's equipment fits into a chemical process plant. To intensify the experience in the real world, contact our industry experts from Sulzer Chemtech to discuss our separation and mixing solutions.

Dorota Zoldosova,
Winterthur, Switzerland



And the winner is ...

The lucky winner of our contest is Samir Ghedjati, shift charge engineer in a power plant at Sonelgaz in Batna, Algeria. As an I&C engineer, he is responsible for commissioning and operating new turbines and inspections of turbines. The Apple Watch Nike+ will be in his hands soon.

Sonelgaz (Société Nationale de l'Electricité et du Gaz) is a state-owned utility in charge of electricity and natural gas distribution in Algeria. It was established in 1969 and was given a monopoly over the distribution and selling of natural gas within the country as well as the production, distribution, importation and exportation of electricity. In 2002, it was converted into a private, though entirely government-owned, company. Since 2010, it has been called Group Sonelgaz. As of 2017, it has an installed capacity of 19'321 MW, produces 69.7 billion kWh a year and employs nearly 89'700 people.

Contest for new subscribers



If you sign up by September 2, 2018, you will automatically be entered in our prize draw to win an Apple Watch (Series 3, GPS). The winner will be randomly selected and informed by e-mail on September 7, 2018.

Sign up under www.sulzer.com/str-newsletter

Terms and conditions

The prize is an Apple Watch (Series 3, GPS). The winner will be chosen randomly from all participants who subscribe to the STR newsletter between June 15, 2018, and September 2, 2018. The winner agrees to have his/her name published in the next *Sulzer Technical Review*. There is no written information concerning the contest. Limited to one entry per person. Sulzer employees and their family members are excluded and cannot participate in the contest. Exclusive place of jurisdiction is Winterthur, Switzerland.

News ticker

+++ Sulzer is celebrating 70 years since it started operations in Brazil with its first manufacturing site in São Bernardo do Campo, São Paulo. +++ Sulzer has built an in-house test and development laboratory for high-voltage coils in the United Kingdom. +++ Geka produces mascara packaging with multicolor effect thanks to digital printing. +++