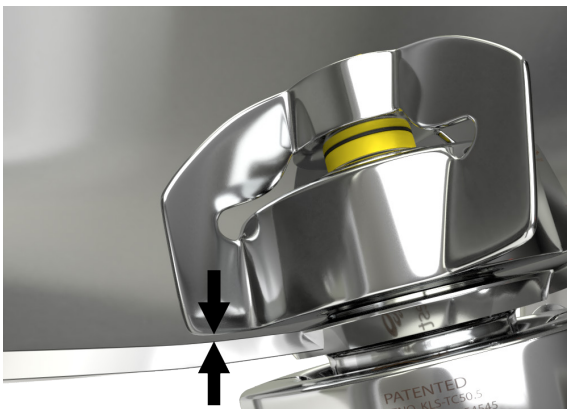




ProFlow

The best mixer we ever built: meet the ProFlow.

The ProFlow Mixer is a bottom mounted magnetically coupled mixer with a unique mix of intelligent controls, user-friendly design and innovative engineering. Its unique design and many powerful features provide cost efficient, low maintenance mixing processes with reliable mixing results.



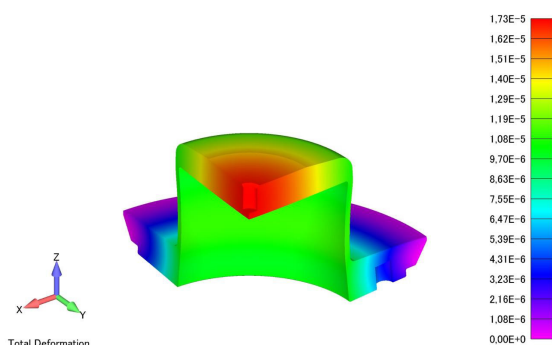
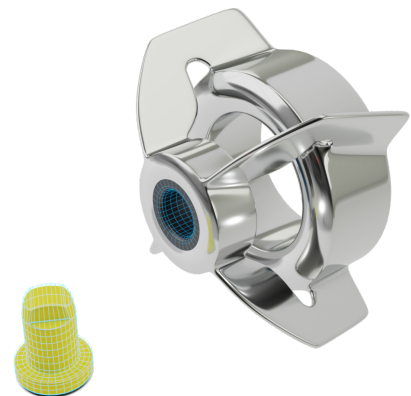
Take advantage of full product recovery

The unique mixing head design and the position of the blades close to the bottom of the tank allows the ProFlow to run while the tank is being emptied. Mixing to the last drop with uncompromised cleanability.

If you have a critical application that demands general blending such as blending two miscible liquids or keeping a suspension the ProFlow is your perfect choice, the ProFlow range reaches up to 1200 Liter.

Robust bearing – ZERO particle shedding

The robust bearing combination of Zirconium and Sic and the fine-tuned geometry, ensures no particle shedding in your media. The higher bending strength of the zirconium material enabled us to do the male bearing in one solid piece, this optimizes the aseptic design and increase the robustness and low wear property. The particle shedding test was done by the independent research institute RISE in Sweden according to USP<788> PARTICULATE MATTER IN INJECTIONS.

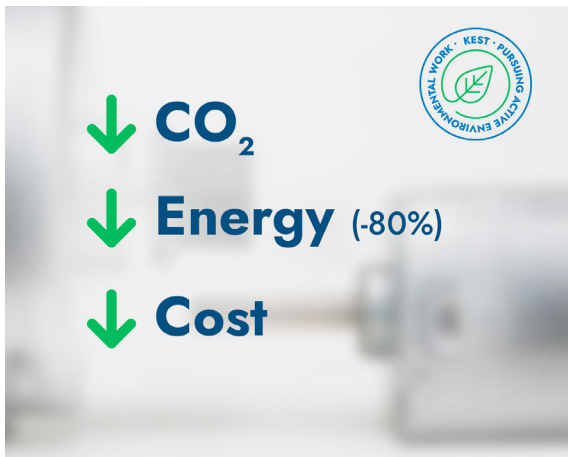
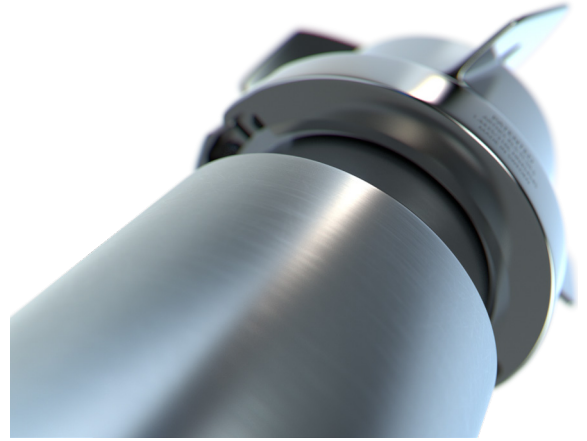


Total integrity of the tank

The Kest Mixer Tank plate is machined from a solid bar. The design is FEM analyzed to comply with PED and ASME pressure vessel code. The Tank Plate is welded into the tank and creates a solid barrier with no risk of allowing contamination of the media inside the tank.

Ensure cleanroom optimized mixing

The ProFlow drive unit operates completely without fans and is fully encapsulated in a smooth hygienic cover. This makes the ProFlow very easy to keep free from dust and particles and allows for undisturbed laminar air flow in your clean room.



Contribute to a better environment

When we started to develop the ProFlow mixer line, one important goal was to decrease power consumption. The ProFlow mixing line is equipped with a very efficient DC motor, controlled with smart electronics that can reduce the energy consumption up to 80 percent. This will cut cost on your energy bill and substantially contribute to a better environment at the same time.

Several other positive effects, low heat generation that eliminated the need of any fans or other cooling system – this enabled an aseptic design of the drive unit. The low heat generation is also essential to some of our customers heat sensitive projects.

Control everything, in real time

The ProFlow is equipped with a range of innovative electronics, monitoring capabilities and intelligent control logic. This gives you maximum process control, unparalleled energy efficiency and minimal heat transfer.

The speed sensor system can detect that the mixing head is mounted in the tank, the rotation speed of the mixing head and the rotation direction.

The speed is controlled with 1-10 VDC so there is no need for a VFD.



Minimize downtime

The drive unit is very light and equipped with our patented Kest-Lock connection that ensures quick disconnection from the tank plate during maintenance.

Other mixers in our product portfolio

Kest provides a wide array of durable, precision mixers and tank components for aseptic, reliable pharmaceuticals and food & beverage production.



Kest Mixer - KMS

The KMS mixer is handling volumes up to 200 Liter, it is user friendly and cleanroom optimized. The mixing head design secures full product recovery.



Kest Mixer - KM

The KM mixer is perfect for general blending handling volumes up to 22 000 Liter, the mixing head is designed for full product recovery and the robust bearing design ensures no particle shedding.



Kest Mixer - KM ATEX

The KM ATEX mixer is perfect for general blending, handling volumes up to 22 000 Liter, the mixing head is designed for full product recovery even under ATEX conditions. The robust bearing design ensures no particle shedding.



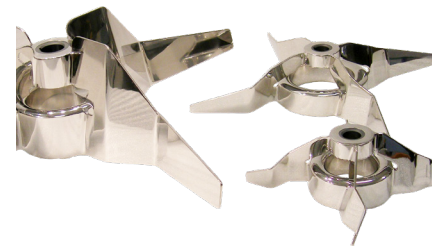
Kest Mixer - RM

The RM mixer is perfect for powder incorporation and high energy blending, handling volumes up to 8 000 Liter. The robust bearing design ensures no particle shedding.



Kest Mixer - RM ATEX

The RM ATEX mixer is perfect for powder incorporation and high energy blending in ATEX environments, handling volumes up to 8 000 Liter. The robust bearing design ensures no particle shedding.



Retrofit & custom

Kest offers a range of customizations such as customized wing profiles, exotic alloys etc.



www.kest.se

