

Two globally playing market leaders in their fields joins hands to bring the most versatile mixing & homogenising processing equipment to the Indian Market.

Sukhras an established leader in machine equipment for the indian market

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Krieger a swiss based company supplying over 60 years state of the art mixing & homogenising solutions to the pharmaceutical, opthalmics and cosmetics market

Present:

THE K-MIX Line

by SUKHRAS



SWISS QUALITY HOMOGENISING FOR VERSATILE PROCESSING

Cosmetics Pharma Opthalmics Food Chemical Applications



SUKHRAS
Leaders in Centrifuge Technology

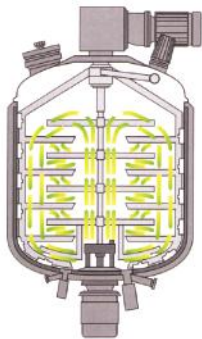
KRIEGER 
Mixing & Homogenising Systems

The K- Mix Mixing & Homogenising Machine Range

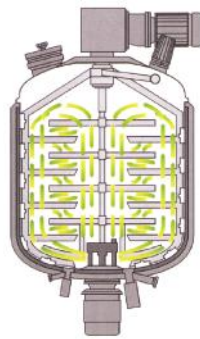
The K- mix machine range provides a fast and easy process for emulsifying, dissolving & homogenising all kind of creams, ointments, macara, suspensions,... within the low to high viscosity range.

The Krieger SWISS QUALITY HOMOGENISING process, ensures a proven product quality with long product life guarantee for all your liquids and semi solids applications.

The K- mix is designed for clean and aseptical processes.



*Homogeniser in UP Flow with controlled product flow
Ingredients can be sucked in from the bottom valve for direct dispersion through the homogniser*



*Homogeniser in Down Flow reverses the product flow and creates a vortex
Ingredients can be added from top directly into the vortex for dispersion*



Swiss manufactured high precision C -TF homogeniser



Constant research at Krieger results in state of the art mixing & homogenising technology that enables to process a wide variety of products with one single machine

Main Features K- mix line:

- Kriegers C TF Homogeniser: for the guaranteed “SWISS QUALITY HOMOGENISING”
- patented Counter rotating mixing tools that guarantee a controlled product flow and a homogeneous temperature distribution inside the vessel
- patented wall scraper design to guide the product from wall to inside of vessel
- Flush mounted, aseptical crevice free bottom valves
- Crevice free vessel design for clean and aseptical applications
- 0.5 bar to 2 bar designs (*)
- Upscaling guaranteed: Sizes from 50 liters to 5000 liters
- Plc control and temperature monitoring
- FDA approved design
- Exactly repeatable processes



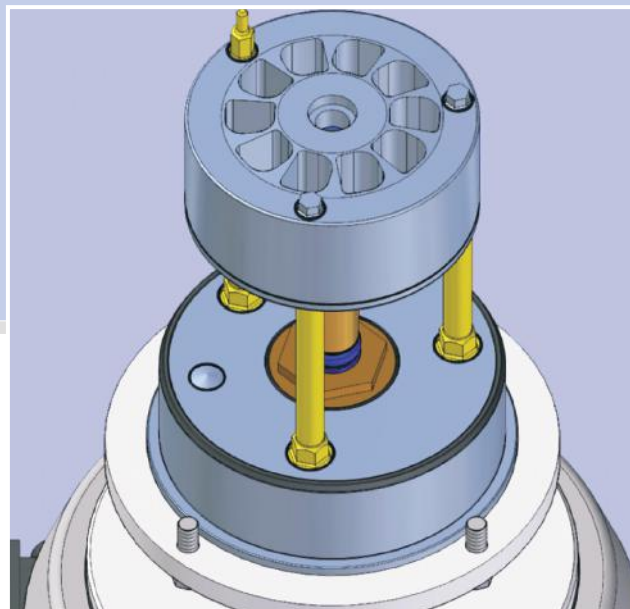
SWISS Quality Homogenising

Krieger Homogenisers can rely on a long and excellent reputation in the market of semi solids manufacturing. Major players in the pharmaceutical and the cosmetics industries recognised the revolutionary technology allowing companies to produce more efficiently in one vessel.

The powerful C- TF homogeniser enables fast and easy dispersing, emulsifying and homogenising of the introduced phases and the entire product batch without the necessity of a recirculation loop. As such product losses are minimised and the cleaning and sanitisation cycle is substantially more efficient.

A special characteristic is the balanced shear force of the homogeniser that makes it difficult to lose batches due to over homogenising and safeguards valuable share sensitive ingredients.

The K- mix range has been executed with the new C- TF homogeniser design that is capable of processing lower to higher viscosity products. The new homogeniser is self cleaning and the higher flow rates of the cutting edge “C-TF



Homogeniser” provide a powerful inside cleaning tool that cleanses the entire vessel with a minimum water quantity over a short time period.

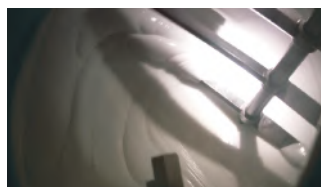
The Krieger C- TF homogeniser is manufactured in Switzerland to the highest precision standards, with constant shear and flow rates in order to guarantee perfect reproducibility and scale up of products manufactured in the K- Mix machine range.

KRIEGER C-TF Homogeniser Advantages:

- HOMOGENISER and CLEANING SYSTEM in ONE
- superior product quality
- long product life for on the shelf products
- reproducible viscosities
- ability to process shear sensitive components
- suitable for low to high viscous products
- control of the product flow in the vessel (UP/DOWN)
- easy powder dissolving
- powerful cleaning capabilities.



Cleaning of a vessel by the C- TF homogeniser



Emulsifying & Dispersion



C- TF Homogeniser works in the 1 – 3 μm dropsize range.

K- Mix line Optional features

- Automatic vacuum /pressure regulation
- Bottom inlet valve for powder or liquids
- Heating/cooling systems
- CIP/SIP systems



Discharge of a 1000 liter vessel by gravity and/or pressure



Mixing & Homogenising Systems

SWISS QUALITY HOMOGENISING BY

Muttenz, Switzerland
www.kriegerswitzerland.com



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