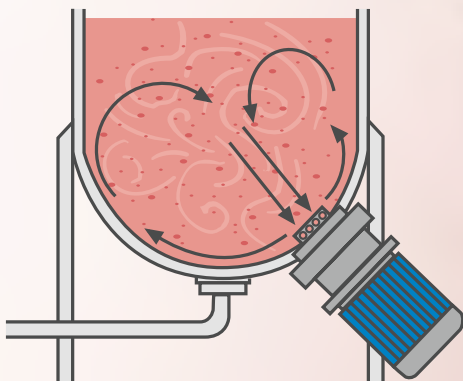
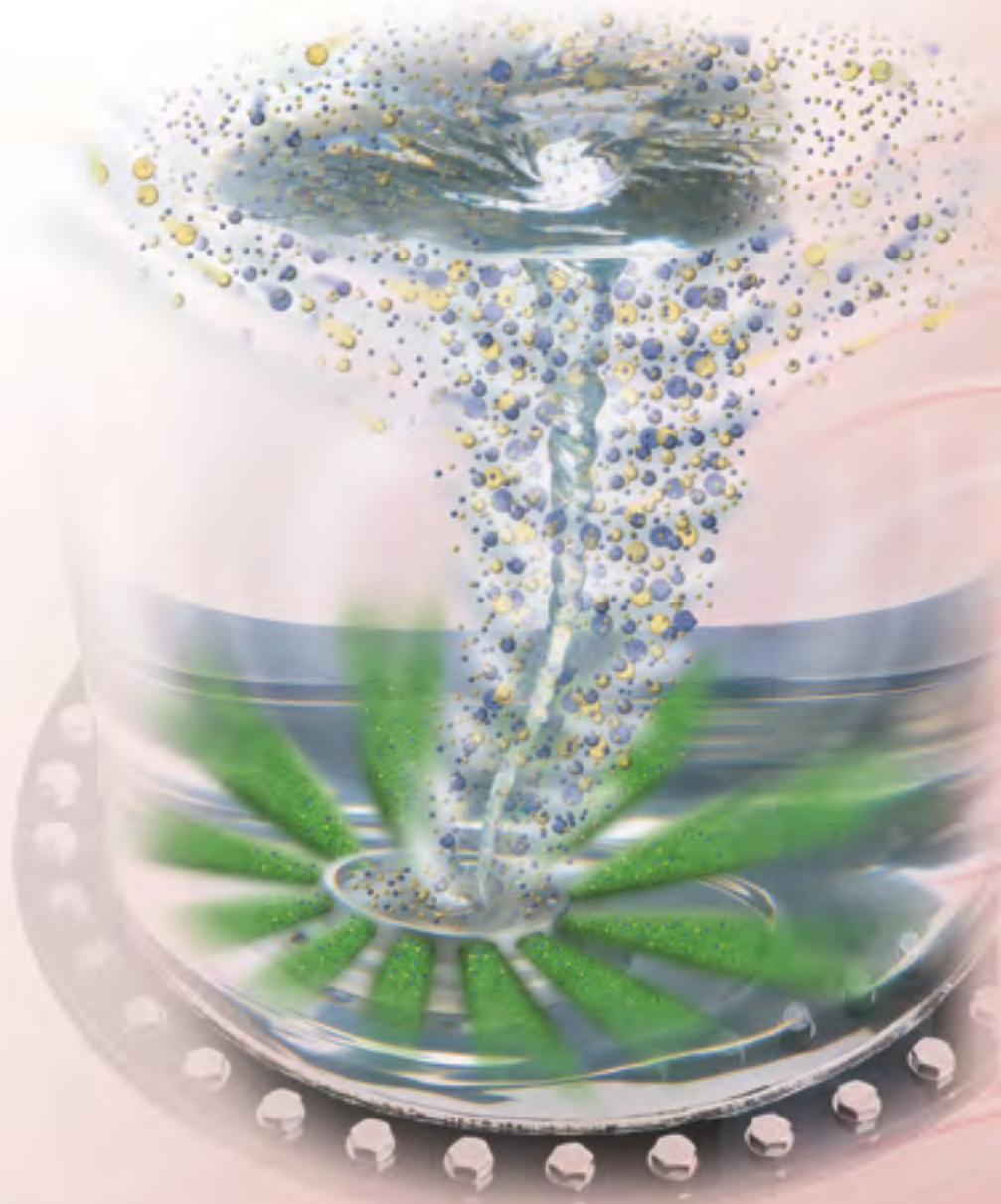


## Bottom Entry mixers

Silverson's hygienic series of High Shear Bottom Entry mixers are designed to fit into the bottom or side of a mixing vessel. These high shear mixers are typically used in conjunction with a slow speed anchor stirrer or scraper unit for high viscosity products. The Silverson Bottom Entry mixer gives high shear homogenisation, while the stirrer/scraper distributes the homogenised output uniformly through the vessel. This is ideal for high viscosity cosmetic, pharmaceutical and food products.

Bottom Entry mixers can also be used by themselves on low viscosity products and to wet out powders.

Silverson Bottom Entry mixers offer full compliance with USDA and cGMP requirements.



# Technical specifications

## Materials of construction

All wetted parts are in 316L stainless steel. Special materials on request. Electropolished finish is available as an optional extra.

## Motor specifications

TEFV (Totally Enclosed Fan Ventilated) and ATEX-approved Flameproof motors are available as standard. Inverter rated, stainless steel and other motors are available as optional extras. Electrical switchgear or wiring is not supplied.

## Mounting

Stainless steel flange fitting is available as standard. Clamp-on fitting is optional for smaller machines.

## Sealing

Single mechanical shaft sealing: A single carbon/ceramic mechanical shaft seal with viton elastomers is standard. Other face materials and elastomers are available as optional extras.

Double mechanical shaft sealing: These are required when processing products that are abrasive, sticky or viscous or when the system is under vacuum.

Sealant flushing systems can be supplied as optional extras.

## Cleaning

Clean-In-Place (CIP) design. Simple, easy-to-clean construction.

## Operating pressures

All standard models are designed for operation on pressures not in excess of 40 psi (2.8 bar). High-pressure units are available upon request.

## Ultra hygienic model available with features including:

- Crevice-free construction.
- Hygienic metal bellows shaft seal.
- Electropolished finish.



General purpose disintegrating head



Slotted disintegrating head



Square hole high shear screen™



Emulsor screen