Mete Nova

A **REPLIGEN** COMPANY

Metenova retrofit solution

for installed Steridose mixers



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Retrofit from Steridose to Metenova

Steridose has discontinued the sale of mixers and spare parts. For customers currently using a Steridose mixer, there is a smooth path forward: retrofit to the advanced Metenova Zero-G mixer.

Benefit from a safe and efficient retrofit to the Zero-G mixer with minimal disruption to your process. The retrofit can be completed in just a few hours, preserving vessel integrity and eliminating the need for costly and complicated modifications such as tank plate replacement.

Background: Steridose discontinues mixer operations

In June 2025, Steridose announced the discontinuation of all new mixer sales, impeller refurbishment services, and the supply of spare parts and consumables. This puts many Steridose users in a challenging position, Metenova offers a proven and safe retrofit solution, enabling a smooth transition to the advanced Zero-G technology.

Source: Steridose, 2025. Mixing equipment for biotech & pharmaceuticals. [online] Available at: https://www.steridose.com/ [Accessed 10 Jun. 2025].

Benefit from a proven retrofit solution with Repligen's Metenova.

A Trusted Partner

Repligen is committed to mixing, and ensures a long-term access to spare parts.

Safe & Fast Installation

Installation takes just a few hours, done on-site by your staff—no cutting or welding required.

Matched Performance with Enhanced Features

Robust, low-maintenance performance for aseptic processes.

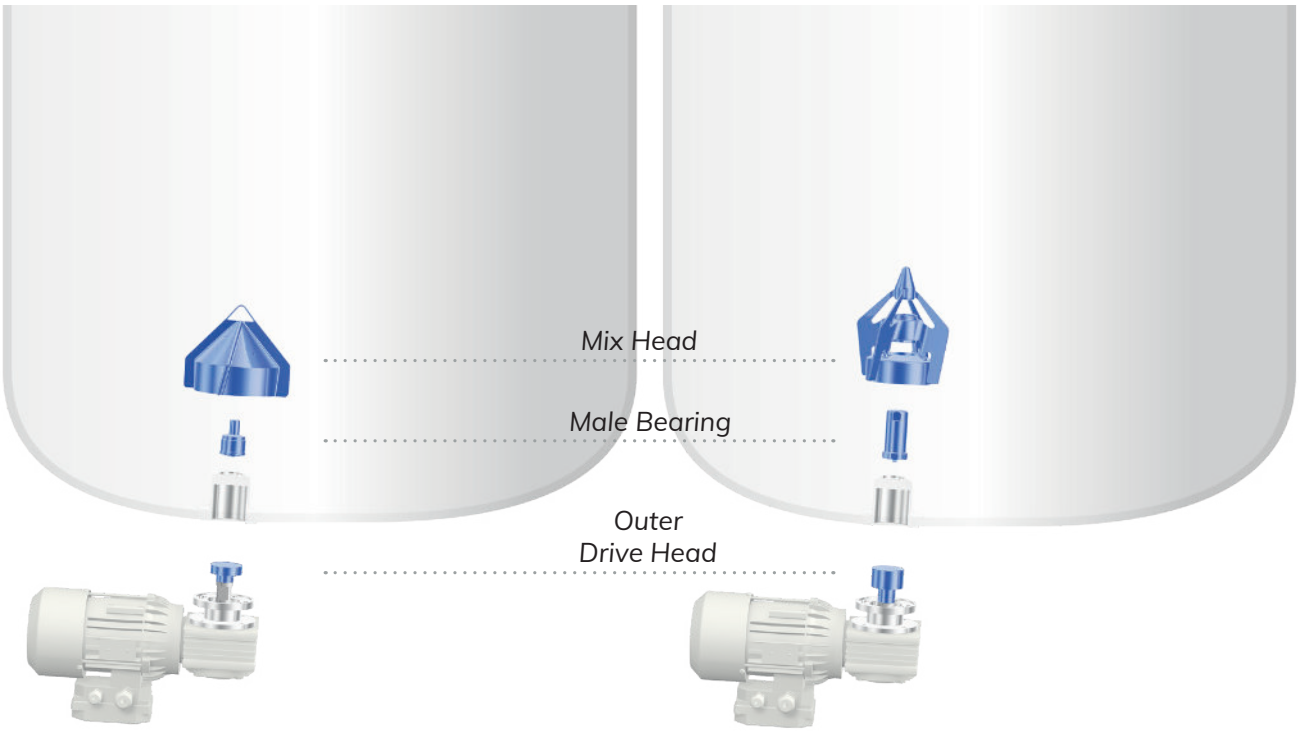

Figure 1. Steridose Mixer. Highlights the original parts that are removed during the retrofit process.

Figure 2. Metenova Mixer. Shows the corresponding Metenova components that replace the original ones.

Retrofitting in practice

By simply replacing the three components — the Mix Head, Male Bearing, and Outer Drive Head — you will achieve a fully retrofitted Metenova Mixer. The retrofititing can be completed in just a few hours on-site by your staff and keeps the vessels integrity. In most cases there are no need for a new validation but this is up to each users internal policies.

Matched performance — with added-value features

The retrofit series is designed to match original specifications —maintaining mixer diameter, blade count, blade angle, and speed—for consistent performance.

The series also features an open design and an up-to-date bearing solution, improving serviceability and reliability. Minor design differences may result in unique mixing characteristics; we recommend process validation and, if needed, adjusting mixer speed to optimize performance for specific applications.

Technical specifications

Find your Steridose/Metenova retrofit match

SMO model	Max speed (rpm)	Impeller Diameter (mm)	Metenova Mix Head	Metenova Outer Drive Unit	Metenova Male Bearing
SMO85/100	450	114	TU00509-03502	TU00505-3013110	TU00507-00382
SMO85/140	450	145	TU00509-3013104	TU00505-3013110	TU00507-00382
SMO120/150	330	163	TU00509-3013086	TU00505-3012500	TU00507-00384
SMO120/190	350	201	TU00509-3013087	TU00505-3012500	TU00507-00384
SMO120H/220	350	220	TU00509-01305	TU00505-3013111	TU00507-01302

SMA model	Max speed (rpm)	Impeller Diameter (mm)	Metenova Mix Head	Metenova Outer Drive Unit	Metenova Male Bearing
SMA60/75	450	75	TU00509-3013103	TU00505-3013089	TU00507-01120
SMA85/100	450	100	On hold	TU00505-3013110	TU00507-00382
SMA85/140	450	140	TU00509-01789	TU00505-3013110	TU00507-00382
SMA120/150	330	155	TU00509-3013105	TU00505-3012500	TU00507-00384
SMA150 AC	330	150	TU00509-03399	TU00505-3012500	TU00507-00384
SMA120/190	350	190	TU00509-01791	TU00505-3012500	TU00507-00384
SMA120H/220	350	200	TU00509-3013088	TU00505-3013111	TU00507-01302
SMA/ SMO210/275	350	275	TU00509-01793	TU00505-3013112	TU00507-01556

General information

Material	**Mix Head**	Stainless Steel ASME TP 316L acc. to SA-479 & EN 1.4404 acc. to EN 10272(Other materials are available upon request)
	Female Sleeve and Male Post	Silicon Carbide (SSiC); FDA CFR21 & USP classVI and Stainless Steel EN 1.4404 / ASME 316L (Other steel materials are available upon request)
Inspection Certificate		EN 10204 type3.1 (Valid for Mix Head and Male Post)
O-rings		EPDM; FDA CFR21 §177.2600 & USP class VI (Other materials are available upon request)
Surface Roughness		Ra ≤ 0.38 µm (15 µin)
Surface Treatment		Electro polished Mix Head. Non animal origin polishing compounds are used.
Operating Temperature		0°C - 150°C (41°F - 302°F)
pH Range		1 – 14 (SSiC)
Packing and Marking		Items are individually packed and for traceability purposes marked with item & id no.
Quality Assurance		Metenova Quality Assurance system ensures the quality and traceability at all stages of the process.

Contact us:

For more information, contact your local partner RECOWA at info@recowa-group.com