Metenova®
A REPLIGEN® BRAND

Metenova retrofit solution

Upgrade to advanced Zero-G technology
– without changing your vessel

Upgrade your mixer
Secure future uptime production

A Metenova retrofit mixer enables you to upgrade existing installations, such as Steridose or NovAseptic, without modifying your vessel.

As an established long-term partner, Metenova provides reliable support, access to spare parts, aseptic design, and improved mixing efficiency — helping future-proof production.

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.

Matched Performance with Enhanced Features

Robust, low-maintenance performance for aseptic processes.

Safe & Fast Installation

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

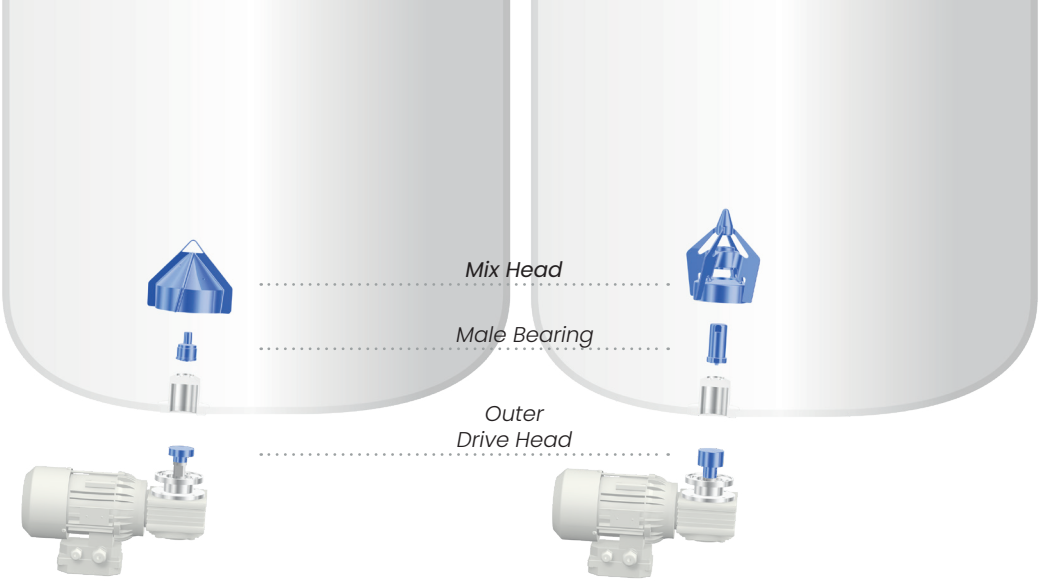

Figure 1. Steridose Mixer. Highlights the original parts that are removed during the retrofit process.

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

Retrofit 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 retrofitting can be completed in just a few hours on-site by your staff while maintaining vessel integrity. In most cases revalidation is not required, but this is up to each user's internal policies.

Matched performance — with added value

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	450	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	78	TU00509-3013103	TU00505-3013089	TU00507-01120
SMA85/100	-	-	-	-	-
SMA85/140	450	140	TU00509-01789	TU00505-3013110	TU00507-00382
SMA120/150	450	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
SMA200 AC	350	200	TU00509-3013088	TU00505-3013111	TU00507-01302

SMA/SMO model	Max speed (rpm)	Impeller Diameter (mm)	Metenova Mix Head	Metenova Outer Drive Unit	Metenova Male Bearing
SMA/SMO120H/260	350	260	TU00509-3013984	TU00505-3013111	TU00507-01302
SMA/SMO210/275	350	275	TU00509-01793	TU00505-3013112	TU00507-01556
SMA/SMO210/350	187	350	TU00509-3013986	TU00505-3013112	TU00507-01556

Find your Sanimixer/Metenova retrofit match

Sanimixer model	Metenova Mix Head
Sanimixer 500	See SMO85/140
Sanimixer 3000	See SMO120/190
Sanimixer 10000	See SMA/SMO120H/260
Sanimixer 30000	See SMA/SMO210/350

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)
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.

Find out more:

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