

General
Mixing
Applications



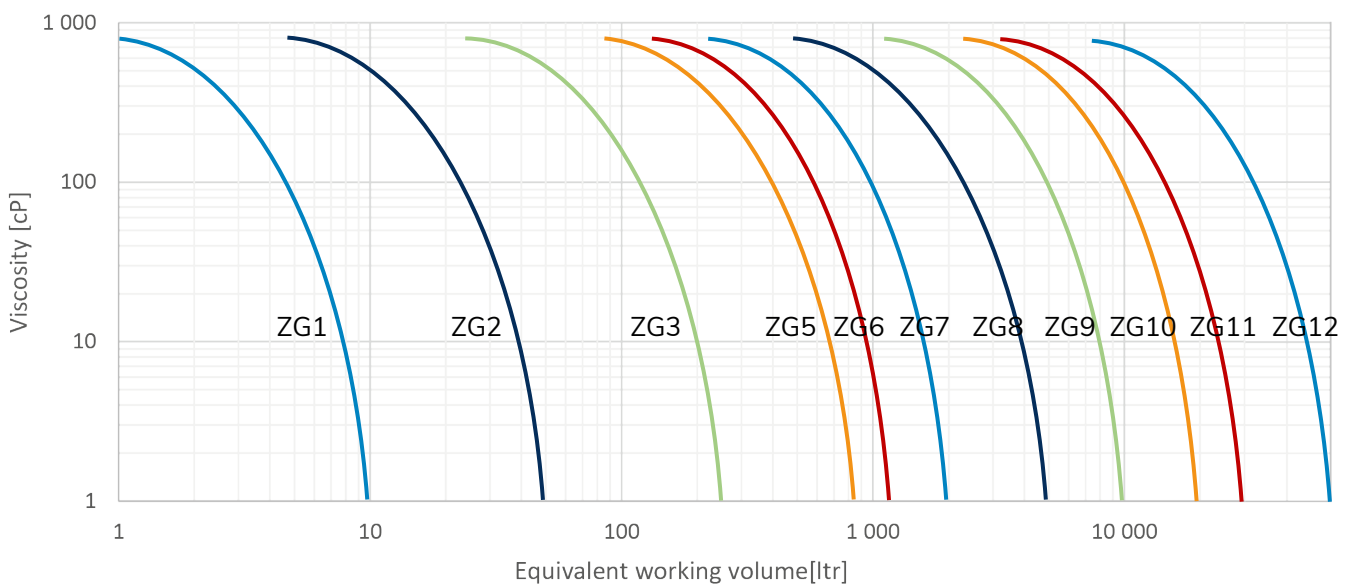
Zero-g

Magnetic Mixer

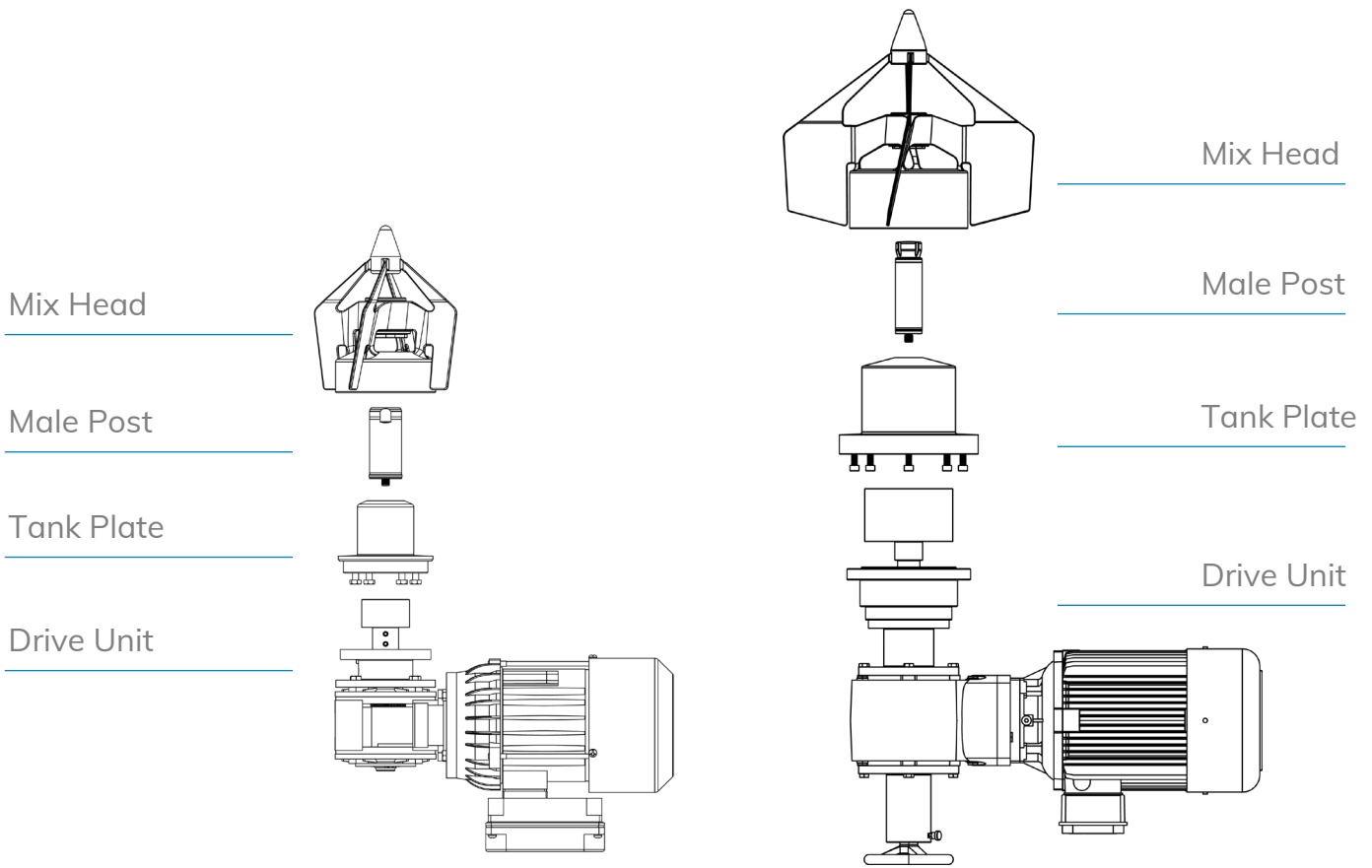
ZG Mixers are very versatile and are the base line of our mixer program. The high efficiency Mix Head design allows for both effective and gentle mixing at the same time. The ZG Mixer covers a vast range of applications all through the process chain. The excellent aseptic design, FDA compliance, combined with the benefits of the new and innovative bearing design makes it perfect for use in the pharmaceutical and biotechnology industries.

Basic Selection

	ZG1	ZG2	ZG3	ZG5	ZG6	ZG7	ZG8	ZG9	ZG10	ZG11	ZG12
Max Volume at 1 cP [ltr]	10	50	250	850	1200	2000	5000	10000	20000	30000	50000
Max Speed [rpm]	490	490	490	490	490	490	343	245	245	210*	190*



The information in this publication is subject to change without prior notice. The information in this document is believed to be complete and accurate at the time of publication. Repligen assumes no responsibility for any errors that may appear in this document. Customer is responsible for determining Repligen's product will perform suitable in the intended application.



General guide for components detail specification datasheet

(More variation options available for each subcomponent)

Mix Head	Male Post	Tank Plate	Drive Unit
DS-047 ZG Mix Head	DS-045 ZG Male Post	DS-048 ZG Tank Plate	DS-049 ZG Drive Unit AC

Net Weight (approximate)

Mixer Model	ZG1	ZG2	ZG3	ZG5	ZG6	ZG7	ZG8	ZG9	ZG10	ZG11	ZG12
Weight kg (lb)	7 (15)	7 (15)	10 (22)	15 (33)	17 (37)	21 (46)	39 (86)	48 (106)	67 (148)	91 (201)	154 (340)

Additional Information

Operating Temperature	5°C - 150°C (41°F - 302°F)
Environment Temperature	0°C - 40°C (32°F - 104°F)
Operating Pressure	-1 – 7 barg (-14.5 – 101.5 psig)
Surface Roughness	Ra ≤ 0.38 µm (15 µin)
Surface Treatment	Electro polished (Mix Head). Manually polished (other contact parts) Non animal origin polishing compounds are used.
Product Contact Material	As standard, Stainless Steel ASME TP 316L acc. to SA-479 & EN 1.4404 acc. to EN 10272 bearing material SSiC and elastomers EPDM (USP VI , FDA compliant). (Other materials are available upon request)

* Applicable to ZG11 & ZG12: If temperature > 80°C, reduce speed to 50% of max.

Metenova[®]
A REPLIGEN[®] BRAND

Repligen Sweden AB
Norra Ågatan 32
SE-43135 Mölndal, Sweden
Phone +46(0)31 335 95 00
www.metenova.com
info.metenova@repligen.com

The information in this publication is subject to change without prior notice. The information in this document is believed to be complete and accurate at the time of publication. Repligen assumes no responsibility for any errors that may appear in this document. Customer is responsible for determining Repligen's product will perform suitable in the intended application.