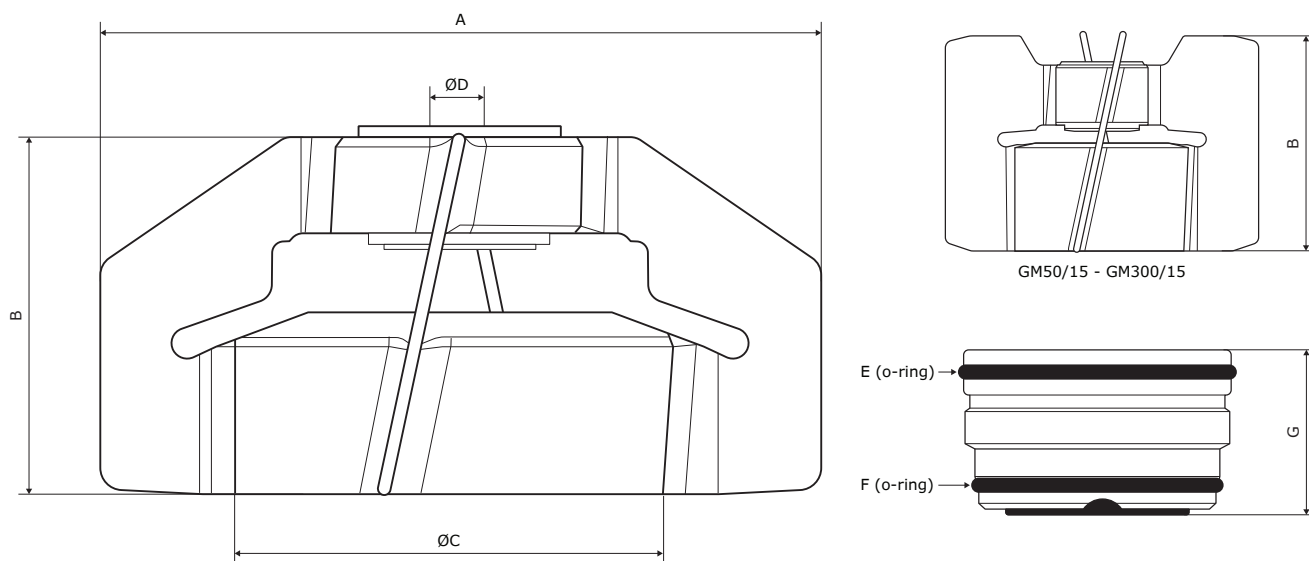


Specification Sheet

NovAseptic® Mixer, Mixing Head, with Exchangeable Bearing, GMP

Product Description

The NovAseptic® mixers offer a complete solution for mixing throughout the process line and are designed for a wide variety of mixing applications in the pharmaceutical and biotechnology industries.



Catalogue Number Structure

| | | | | | | | |
|-----------|------------|---|----------------------|---|--|--|--|
| GM | # | / | 15 | - | # | # | # |
| Mixer | Size Range | | Exchangeable Bearing | | Material code 3: EN 1.4435 (316L) | Material code 2: Grinded and Electro-Polishing to Ra 0.38µm | Material code 2: Silicone Carbide (SIC) 6: Silicone Carbide (SIC) w/ Diamond Coating UNDC |

Nominal Dimensions in mm (in.)

| Catalogue No. | A | B | C | D | E | F | G | Compatible Mixer |
|---------------|---------|--------|--------|--------|-----------------|-----------------|--------|------------------|
| GM05/15-322 | 96 | 52 | 34 | 12 | 26.70 x 1.78 | 23.52 x 1.78 | 17.8 | GMP50 |
| GM05/15-326 | (3.78) | (2.05) | (1.34) | (0.47) | (1.051 x 0.070) | (0.925 x 0.070) | (0.7) | |
| GM1/15-322 | 120 | 53 | 56 | 12 | 26.70 x 1.78 | 23.52 x 1.78 | 17.8 | GMP100 |
| GM1/15-326 | (4.72) | (2.09) | (2.2) | (0.47) | (1.051 x 0.070) | (0.925 x 0.070) | (0.7) | |
| GM5/15-322 | 142 | 71 | 56 | 20 | 37.82 x 1.78 | 33.05 x 1.78 | 23.9 | GMP500 |
| GM5/15-326 | (5.59) | (2.8) | (2.2) | (0.79) | (1.488 x 0.070) | (1.301 x 0.070) | (0.94) | |
| GM10/15-322 | 160 | 71 | 64 | 20 | 37.82 x 1.78 | 33.05 x 1.78 | 23.9 | GMP1000 |
| GM10/15-326 | (6.3) | (2.8) | (2.52) | (0.79) | (1.488 x 0.070) | (1.301 x 0.070) | (0.94) | |
| GM20/15-322 | 184 | 73 | 87 | 20 | 37.82 x 1.78 | 33.05 x 1.78 | 23.9 | GMP2000 |
| GM20/15-326 | (7.24) | (2.87) | (3.43) | (0.79) | (1.488 x 0.070) | (1.301 x 0.070) | (0.94) | |
| GM50/15-322 | 192 | 115 | 106 | 30 | 53.64 x 2.62 | 47.29 x 2.62 | 47.1 | GMP5000 |
| GM50/15-326 | (7.56) | (4.53) | (4.17) | (1.18) | (2.111 x 0.103) | (1.861 x 0.103) | (1.85) | |
| GM100/15-322 | 220 | 150 | 87 | 30 | 53.64 x 2.62 | 47.29 x 2.62 | 47.1 | GMP10000 |
| GM100/15-326 | (8.86) | (5.91) | (3.43) | (1.18) | (2.111 x 0.103) | (1.861 x 0.103) | (1.85) | |
| GM200/15-322 | 273 | 130 | 170 | 30 | 53.64 x 2.62 | 47.29 x 2.62 | 47.1 | GMP20000 |
| GM200/15-326 | (10.75) | (5.12) | (6.69) | (1.18) | (2.111 x 0.103) | (1.861 x 0.103) | (1.85) | |
| GM300/15-322 | 365 | 155 | 169 | 30 | 53.64 x 2.62 | 47.29 x 2.62 | 47.1 | GMP30000 |
| GM300/15-326 | (14.37) | (6.1) | (6.65) | (1.18) | (2.111 x 0.103) | (1.861 x 0.103) | (1.85) | |

Specifications

| Net Weight (approximate) | | | | | | | | | |
|--------------------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| Mixing Head | GM05/15 | GM1/15 | GM5/15 | GM10/15 | GM20/15 | GM50/15 | GM100/15 | GM200/15 | GM300/15 |
| Weight kg (lb) | 0.5 (1.1) | 0.9 (2.0) | 1.3 (2.87) | 1.7 (3.75) | 1.8 (3.97) | 3.4 (7.50) | 5.1 (11.2) | 6.7 (14.8) | 9.7 (21.4) |

| Material | | | | | | |
|---------------|------------------------------------|-----------|------------------------------------|-----------|---|--------|
| Material Code | Bar | | Plate | | Female Bearing | O-ring |
| | Stainless steel in compliance with | | Stainless steel in compliance with | | | |
| | 316L | EN 1.4435 | 316L | EN 1.4435 | 2: Ceramic SiC (SsiC) or 6: Ceramic SiC (SsiC) w/Diamond UNCD® Coated | EPDM |

| Specifications | |
|------------------------|---|
| Surface Roughness | Surface Ra ≤ 0.38 µm (15 µin) |
| Surface Treatment* | Electro polished. No polishing compounds of animal origin used. |
| Operating Temperature* | 5 to 135 °C (41 to 275 °F) |
| pH Range | 1-14 |
| Labeling | Each mixing head is individually labeled for full traceability according to Our QA procedures. |
| Packaging | The mixing head is packaged in a closed box. |
| Quality Control | Our Quality Assurance system ensures the quality and traceability at all stages of the process. |
| Options | For non-standard NovAseptic® mixer options, please contact your local representative for further information. |

* Note: The assembled NovAseptic® Mixer may have different design temperature and/or pressure limits. The weakest part in the assembled product determines the maximum design temperature and pressure limits.

Technical Assistance

For more information, please visit [SigmaAldrich.com](https://www.SigmaAldrich.com) for up-to-date worldwide contact information

