



EM

Vertical mixer



EM --- vertical mixers provide high shear rates in emulsions and dispersions due to their head and turbine design. The vertical mixer produces a completely homogenized product, without lumps, in medium (5000 litres) and small volume applications. Furthermore, because of the careful treatment they provide, these mixers are very useful for keeping the compound properties of products which are already homogenised.

Moreover, with the EM design, the maintenance tasks are eased and the highest hygiene conditions ensured. The head configuration changes in accordance with the kind of product and its requirements, with sieved, slotted and perforated configurations available. These features mean EM mixers can reduce particle size, destroy coagulations and quickly dissolve solids in liquids. Some vertical mixer applications are:

- Emulsion of products in the food, cosmetic and pharmaceuticals industries (mayonnaise, creams, sauces, etc.)
- Dissolution of sugars, salts, resins, gases, etc.
- Suspensions, dispersions and dilutions
- Mixing of solids (powder or crystals) in liquids
- Homogenizations

MODELS

EM 1.5-150
EM 4-500
EM 7.5-1500
EM 11-2500
EM 18.5-5000

CHARACTERISTICS

Anchor flange DIN 2576
Adjustable head and propeller configuration
High degree of hygiene
Interchangeable heads

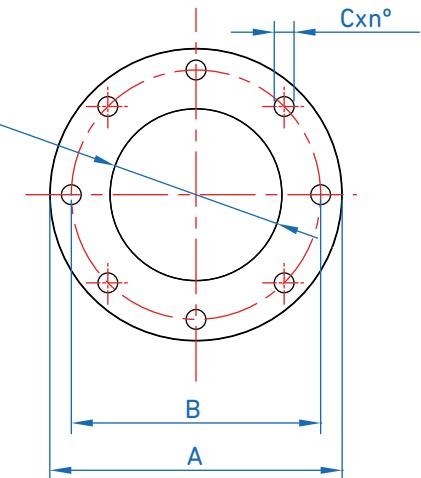
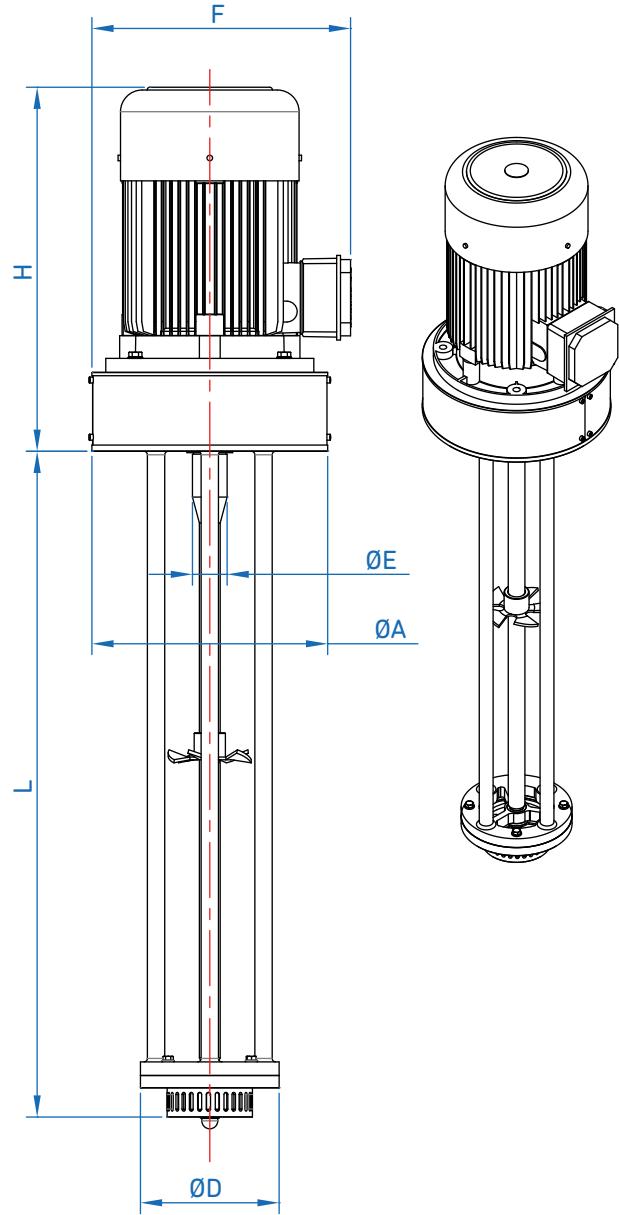
MATERIALS

The parts in contact with the product are made from stainless steel AISI 316
Level of finish: Foodstuff / Sanitary

OPTIONS

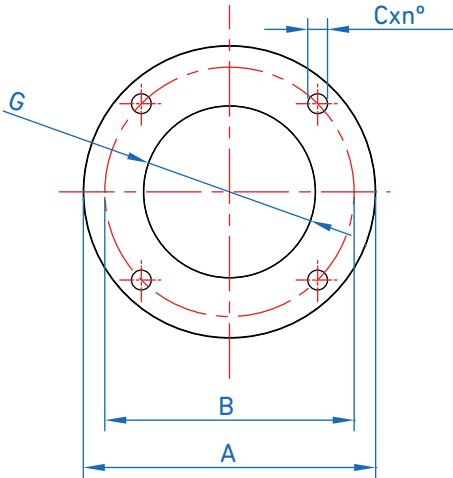
Other anchor flanges
Mechanical seal
Control panel
Manual/automatic elevation system
Central agitator
Turbines and diffusers in other materials

MIXER BASE DIN 2576 FLANGE



| OVERALL DIMENSIONS | | | | | | |
|---------------------|-------|------|-----|----|--------|-----|
| MODEL | A | B | C | n° | G | |
| EM 4-500 | DN125 | Ø250 | 210 | 18 | 8x45° | 170 |
| EM 7.5-1500 | DN200 | Ø340 | 295 | 22 | 8x45° | 221 |
| EM 11-2500 | DN250 | Ø395 | 350 | 22 | 12x30° | 276 |
| EM 18.5-5000 | DN300 | Ø445 | 400 | 22 | 12x30° | 290 |

MIXER BASE IEC FLANGE



| OVERALL DIMENSIONS | | | | | | | |
|---------------------|----------|-----|-----|-----|-----|-------------------|------|
| MODEL | Pot (kW) | H | F | ØE | ØD | L | (kg) |
| EM 1.5-150 | 1.5 | 260 | 254 | 84 | 113 | 800-650 500 | 26 |
| EM 4-500 | 4 | 333 | 262 | 84 | 165 | 1000-800- 600 | 59 |
| EM 7.5-1500 | 7.5 | 470 | 380 | 120 | 200 | 1250-1000- 750 | 111 |
| EM 11-2500 | 11 | 474 | 408 | 160 | 220 | 1500-1200 | 144 |
| EM 18.5-5000 | 18.5 | 474 | 433 | 200 | 285 | 1700-1400 | 275 |

| OVERALL DIMENSIONS | | | | | | |
|--------------------|---------|-----|-----|----|-------|-----|
| MODEL | A | B | C | n° | G | |
| EM 1.5-150 | IEC 200 | 200 | 165 | 11 | 4x90° | 130 |
| EM 4-500 | IEC 250 | 250 | 215 | 14 | 4x90° | 180 |
| EM 7.5-1500 | IEC 300 | 300 | 265 | 14 | 4x90° | 230 |
| EM 11-2500 | IEC 300 | 300 | 265 | 14 | 4x90° | 230 |