

**GFLE**

# Vertical agitators



The GFLE model allows different sealing systems to be installed in accordance with the application.

- Low pressure sealing systems with lip seal or stuffing box
- High pressure or vacuum sealing systems with mechanical seal: single, dry turn or dual cartridge

Their characteristics mean contrarotator agitator systems can be installed to satisfy the most complex agitating and mixing requirements, making it possible to work with highly viscous products or products which tend to stick to the walls of the tank.

These agitators are characterised by their wide range of applications and their high agitating capacity. This is achieved through the multiple configurations of the impellers, which also means GFLE agitators can adapt to the requirements of each system. As a result, they are essential in the food, cosmetics, pharmaceutical and chemical industries.

They can work with products such as distilled drinks, juices, gazpacho, dairy products, syrups, creams, gels, colognes, etc. Some of the operations which this equipment can carry out are dissolutions, homogenisation and agitating of mixes, heat exchanges, chemical reactions, etc.



### CHARACTERISTICS

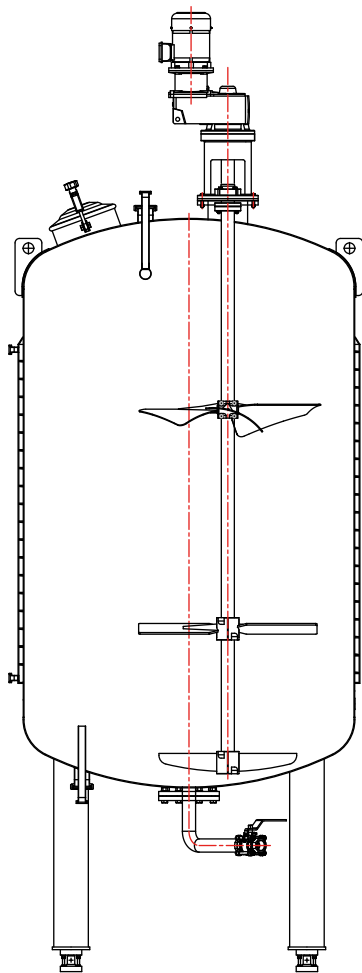
- Specific sealing system in accordance with the application: single mechanical seal, dry turn or dual cartridge
- Level of finish: Industrial / Foodstuff / Sanitary
- Anchor flange: Square / DIN 2576 / IEC type
- Parallel geared motor
- Interchangeability of agitator components

### MATERIALS

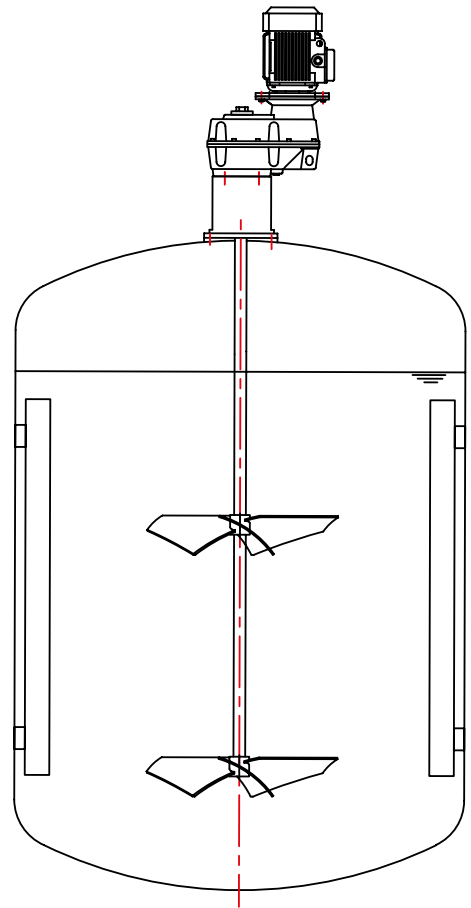
- Parts in contact with the product in stainless steel AISI 316L
- Parts not in contact with the product in stainless steel AISI 304L, carbon steel or others

### OPTIONS

- Other materials: AISI 304L, AISI 904L, Hastelloy, etc.
- Thermosiphon pressurised/cooled mechanical seal
- Contrarotator reassembly
- Other anchor flanges
- Guide tripod
- Control panel
- Frequency or mechanical speed variator
- Stainless steel casing



Assembly of a misaligned GFLE agitator for improved reagent mixing. AXIAL propellers impose a mostly descendant flow, and the deep scraper prevents precipitates. In contrast, GAMMA propellers installed in the top section provide high circulation speed, optimising agitating conditions.



Assembly of a GFLE agitator with 2 levels of GAMMA ty propeller blades. GAMMA type propellers mostly crea an axial flow and the deflectors facilitate mixing in tangential direction.



### CARTRIDGE SEAL

Rinsing without pressure. Dimensions in accordance with DIN 24960 C. The ingenious modular system allows the seal to adapt to a wide range of applications which improve the performance of the agitator.



### DUAL SEAL

Dual seals in accordance with DIN 24960. The DIN standard specifies single seals arranged back-to-back, making it easier to replace the seal faces.



### SINGLE SEAL

Balanced, with conical spring an unidirectional turning. Dimension in accordance with DIN 24960.