

# Efficient Mixing and Agitation

## Top mounted agitators, type ALT

**Applications**

Application	Typical examples
Maintain Media Homogeneous	Milk storage tanks, cream tanks, mixed product tanks, UHT product storage tanks, etc.
Mixing and Solutions (dissolve)	Fluid and fluid mixing, i.e. drinking yoghurt and fruit mix tanks, flavoured milk mix tanks, syrup mix tanks, etc.
Solid Dispersion	Powder protein + oil mix tanks, micro salt + milk product mix tanks, etc.
Suspension	Fluids with particles, i.e. juice tanks, crystallising tanks etc.
Heat transmission	Circulation of media in tanks with dimple jacket (cooling or heating)
Dairy Fermentation (break coagula + mixing)	Yoghurt tanks, cheese culture tanks, crème fraîche, etc.



**TECHNICAL DATA**

**Motor**

Motor size and speed as required for duty.  
As standard with IEC motor IP55, other types on request. As standard painted RAL5010.

**Voltage and frequency**

As standard for 3x380 to 420V, 50Hz - 3x440V to 480V, 60Hz.  
All motor voltages and frequencies are available.

**Gears**

Different gear types available according to configuration.  
As standard filled with normal synthetic or mineral oil, optional: Food approved oil. As standard painted RAL5010.

**ATEX - option**

Agitators can be delivered approved for use in an ATEX environment with declaration of conformity according to directive 94/9/EC.

**Ordering**

The following information is required to ensure correct sizing and configuration for ordering:

- Tank geometry
- Product properties
- Task of agitator
- Enquiry forms are available

**PHYSICAL DATA**

**Materials**

- Available materials
- Steel parts: . . . . . AISI 316L (standard)  
 AISI 304  
 AISI 904L  
 SAF 2205  
 Other materials on request.
- Seal rubber parts  
 (O-rings or bellows): . . . . . EPDM  
 FPM/FEP (only for stationary o-rings)  
 FPM  
 Other materials on request.
- Mechanical seal parts: . . . . . Carbon  
 Carbon (FDA)  
 Silicon carbide

**Material certificate - option**

3.1 Material certificates/FDA conformity statement according to 21 CFR177 on steel/elastomer parts in contact with the media

**Dimensions**

Standard propeller diameter range:  $\varnothing$ 125 mm to 1900 mm.  
Specific dimensions on the drive unit and propeller(s) will depend on the actual configuration selected.