

# POLYMIX agitators

The economical solution for homogeneous holding of low viscosity products



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# POLYMIX agitators, the economical solution for homogeneous holding of low viscosity products

**Simplicity and reliability** are the two main characteristics of the **POLYMIX** mixer. The agitator is fitted with **2 up to 8 stages of twin-blades impellers**, depending on vessel geometry and volume.

The **POLYMIX** mixer is suitable for **homogeneous holding of low viscosity products and thermal transfer operations**.

## Main Benefits

- \_ suitable for fragile products due to minimum shear constraint
- \_ optimum circulation rate / power consumption ratios
- \_ design and sizing avoiding air incorporation
- \_ easy mounting on existing tank using bottom shaft guides that thus avoids reinforcing or changing the cover

## Technical Features

Standard propellers ranging from Ø 400 up to Ø 600

- \_ welded twin-blades impellers
- \_ all product contact parts made from in stainless steel EN 1.4404 (316L) or 1.4307 (304L)
- \_ finishes: welds are ground, polished to  $Ra \leq 0.8 \mu m$
- \_ sealing by leak preventing cup
- \_ IP 55 Geared motor
- \_ voltage: 400 or 230/400 V, three-phased, 50 Hz
- \_ vertical assembly with bottom shaft guide (in most cases)

## Applications

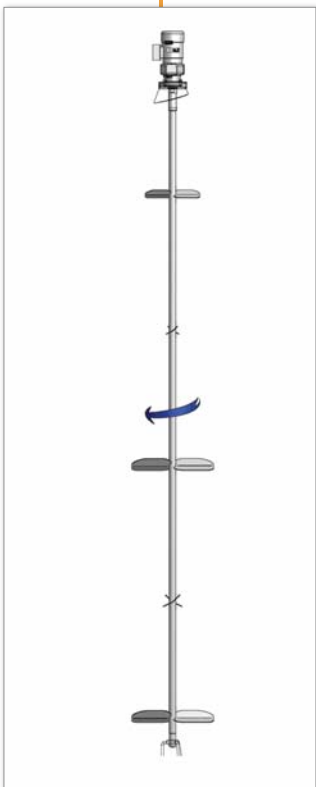
- \_ homogeneous holding of low viscosity ( $< 50$  cps) products (liquids and liquids / solids)
- \_ suitable for thermal transfer operations

### Examples of process applications:

Storage of milk, cream, oil, eggs...

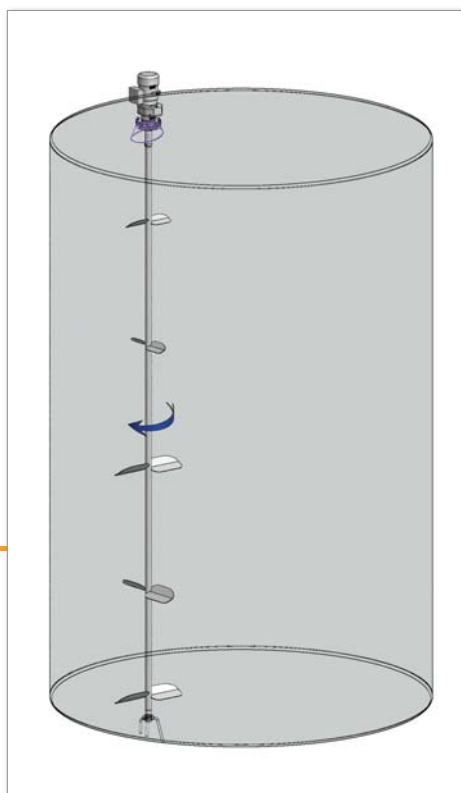
## Options

- \_ sealing by double ring or other
- \_ variable Frequency Drive



## Liner Height - Quantity of twin-blades impeller - Motor Power - Speed

Liner Height	Quantity of twin-blades impeller	Motor Power	Speed
1500	2 impellers Ø 600	0.37 kW	70 t/mn
2000	2 impellers Ø 600		
3000	2 impellers Ø 600 + 1 impellers Ø 400		
4000	2 impellers Ø 600 + 2 impellers Ø 400	0.75 kW	
5000	2 impellers Ø 600 + 3 impellers Ø 400		
6000	2 impellers Ø 600 + 4 impellers Ø 400		
7000	2 impellers Ø 600 + 5 impellers Ø 400	0.75 kW	
8000	2 impellers Ø 600 + 6 impellers Ø 400		



**PIERRE GUERIN SAS (FRANCE)**

179 Grand'Rue - BP 12  
79210 MAUZE-SUR-LE MIGNON  
tel: +33 (0)5 49 04 78 00  
fax: +33 (0)5 49 26 07 75  
email: [contact@pierreguerin.fr](mailto:contact@pierreguerin.fr)

**PIERRE GUERIN IBERICA (SPAIN)**

Poligono Industrial Villalonqu jar, 4 - Apdo 203  
09001 BURGOS  
tel: +34 (0)947.259.100  
fax: +34 (0)947.259.150  
e-mail: [pgi@pierreguerin.net](mailto:pgi@pierreguerin.net)

**PIERRE GUERIN Ltd (UK)**

3B Swallowfield Courtyard,  
Wolverhampton Road, Oldbury  
West Midlands, B69 2JG  
tel: +44 (0) 1684 298 574  
email: [info@pierreguerin.co.uk](mailto:info@pierreguerin.co.uk)

**DCI-BIOLAFITTE (US)**

600 North, 54th Avenue  
ST CLOUD, MN 56303  
tel: +1 (800) 671-7151  
fax: +1 (320) 252-0866  
email: [info@dc-bio.com](mailto:info@dc-bio.com)



[www.pierreguerin.com](http://www.pierreguerin.com)