



CHEMICAL & PHARMACEUTICAL INDUSTRY



PROCESS:

Keeping homogeneous, mixing in small quantities of additives/solids

TYPE OF PRODUCT:

Alcohols/mineral and synthetic oils/monomers/pesticides/herbicides/organic solvents/glycols/bio-ethanol

APPLICATION:

The magitator can be used in processes involving low to medium viscosity liquids and low solid contents

We offer **maximum reliability, high durability** and **stirring efficiency**

Process description

Jongia's latest development, a magnetic coupled mixer, the Magitator, is especially developed for the chemical- and pharmaceutical industry, where companies have to deal with product contaminations, exothermic reactions and work with extremely aggressive products. Prevention of seal leakage and product contamination has top priority. The Magitator's main feature is its hermetically closed and sealless shaft design. The mixer can be operated in almost any chemical environment, including in processes where hydrosulfic acid, hydrofluoric acid, amines, isocyanides and NaOH are used.



References

Major players in the industry such as ExxonMobil, BASF, Hexion, Croda and Abbott to name a few, use JONGIA equipment in their production facilities. Installations are up and running world-wide from as far back as the early sixties.

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Watch the animation on YouTube



Product information

Requirements for the mixing equipment to be used depend on specific characteristics such as viscosity and density which vary considerably.

To keep the product homogeneous our Magitator, a magnet driven mixer, is the right choice. Certain additives and solids can be mixed in when injected into the zone of the mixing head.

Opting for the Magitator ensures that the tank can remain hermetically closed under highly sanitary conditions. The open design of the mixing head ensures an optimum flow for easy cleaning and efficient mixing. The cleanability of the magitator

is compliant with the most stringent CIP and SIP requirements. Zero-emission is ensured and in addition the absence of a mechanical seal considerably cuts down on maintenance costs.

The Magitator can be mounted as a side or bottom entry mixer. Depending on the process and product requirements a motor will be selected from a power range of 0,5 – 11 kW.

All brands of Motor/gearbox drives can be supplied as well as explosion-proof motors up to ATEX Zone 1. In principle the magitator is of standard design, however the mixer can be custom-made and adapted to your process.



Process consultancy & testing

In synergy with you, our client, we envision the most efficient solution for your mixing application. Mixing techniques are put to the test in our in-house laboratory by our processing experts or on site with our rental test units.

Engineering, manufacturing & quality

Our engineering team is dedicated to designing robust and reliable, leading edge mixing equipment. The equipment is manufactured by skilled craftsmen on state of the art machinery. Every step is controlled by international quality standards.

Installation & global service

Installation, supervision and commissioning are performed by experienced field engineers. Rely on Jongia's 24/7 global service to assist you.

Jongia N.V.

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