



Magnetic mixer reactor

general features

Magnetic mixer reactors are equipment designed for mixing homogeneous and/or heterogeneous substances, in the same or different states of aggregation.



This equipment is designed for the dispersion of low viscosity products, up to a maximum of 1,000 cP in tanks with a capacity range from 50 to 3,000 L.

The turbine of these reactors are of the rotor/stator type. They are installed at the bottom of the tank, in an eccentric position, favouring discharge and enabling the current generated by the agitator to be broken. In this way, the product to be mixed flows from the turbine to the top of the tank, generating a vortex to be released in a laminar flow along the walls.

The turbine is attached to each other by magnets, making it a totally aseptic, easy to clean and quick to install agitation system.

The tank is made of AISI-316 stainless steel, has encapsulated seals and a finish with a roughness of up to 0.2 µm, so it is particularly suitable for the pharmaceutical industry.



Details of the magnetic turbine.



Details of the lid of a reactor with magnetic stirrer.



Reactor RML-75, 50 L of capacity, with flat lid for working under pressure.



Turbine exploded view

Technical data

Model	Tank volume range (Acc/viscosity and intensity of agitation) L	Power kW	Ø turbine mm	Stirrer assembly dimensions (mm)		
				Height	Length	Width
RML-75	35 - 50*	0.075	78	133	225	76
RML-100	70 - 100*	0.18	114	154	275	130
RML-140	80 - 500*	0.18	145	154	275	130
RML-150	180 - 1,000*	0.75	163	200	357	189
RML-190	500 - 3,000*	1.10	201	219	410	224

*Viscosity lower than 10 cP