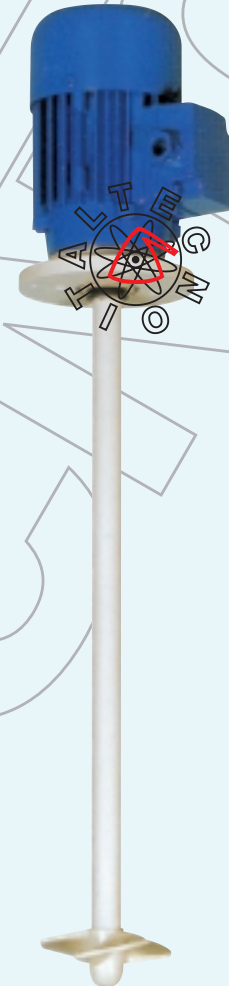



*Chemicals mixing*

# ITAMIX ELECTRIC MIXER



DEM mixer



DMT-DMM mixer

In order to get a good mixing of chemicals it is important to choose the right type of mixer for the required application.

To enable selection and design of a mixer, the following information is required:

- shape and dimensions of tank to which the mixer is to be fitted
- volume of liquid to be stirred
- viscosity and density characteristics of the liquid
- method of agitation to be used (e.g. continuous, intermittent)
- required agitation degree

### SERIES DMT AND DMM

Economical low power stirrers.

They are intended for use with small tanks and

polythene dosing containers up to a maximum capacity of 1000 litres. The shaft and marine propeller is coated in jointless polypropylene as standard. A vapour proof seal is fitted between the shaft and the bearing flange.

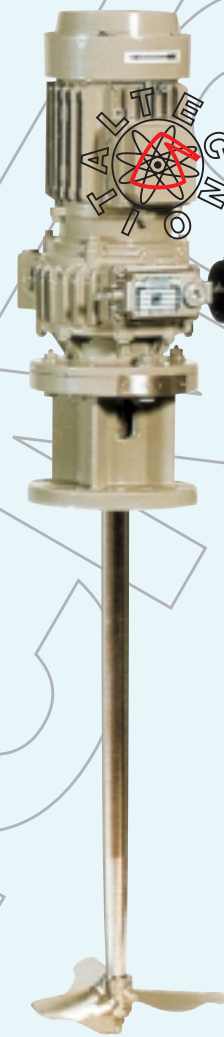
DMT series mixers are supplied with a 3 phase motor whilst DMM are single phase.

### SERIES DEM

High speed mixer, with rigidly coupled shafts and motors fitted as standard with a marine type propeller. An extended support lantern, houses a bearing and packing ring seal. These mixers are normally recommended for use with low viscosity solutions and preparation/dissolution of chemicals in small or medium sized tanks.



DRV mixer



DRC mixer

### SERIES DRV

Slow speed mixers for light duty applications. The motor speed reduction is achieved via worm gear reducer gearbox with integral hollow drive shaft to which the mixer shaft is fitted and keyed. The gearbox flange is utilized to attach the mixer to the tank or mixer bridge support.

They can be supplied with an extra support guide now designated DRV-G. Impellers are usually inclined blade axial flow turbine types.

### SERIES DRC

Slow speed mixers with coaxial gearboxes. The speed reducer is of the crew rack type with cylindrical gears, and is coupled to the shaft via a rigid coupling. A double support is available with extra bearings.

Propellers are usually inclined blade ( $^{\circ}45$ ) axial flow turbine or radial flow turbine types.

DRC mixers can be supplied with mechanical shafts seals for assembly on pressurized tanks.

### ITALTECNO

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