

General characteristics

- **Robin** range results of more than 50 years of expertise in the design and the construction of agitators. Specific by their size, their power or their design, they suit severe conditions.
- **Robin** range mixers design is based on process constraints or according to customer specifications.

Capacities

- From 0.001 to 100 000 m³ approximately

Operating conditions

- Temperature up to 500°C
- Pressure with vacuum at 300 gauge bars
- Viscosity up to 1000 Pas

Sealings

- Hydraulic seal
- Packing
- Lip seal
- Single, double even triple mechanical seal lubricated or with gas back pressure, without contact, magnetic drive

Construction materials

- Carbon or stainless steel, titanium...
- Coating : rubber, ebonite, PFE, EP, PVDF.
- Any usable material except glass lined.
(please consult us for any other material)

Electric characteristics

- All types of motors (electric, pneumatic, hydraulic)
- Variable speed drive (electronic or belt)
- Up to 1000 kW

Drive and coupling

- Direct with the engine with an elastic coupling, belts, hydraulic coupling
- All types of reducers: planetary gears, with helicoïdal screw, parallel or perpendicular shafts

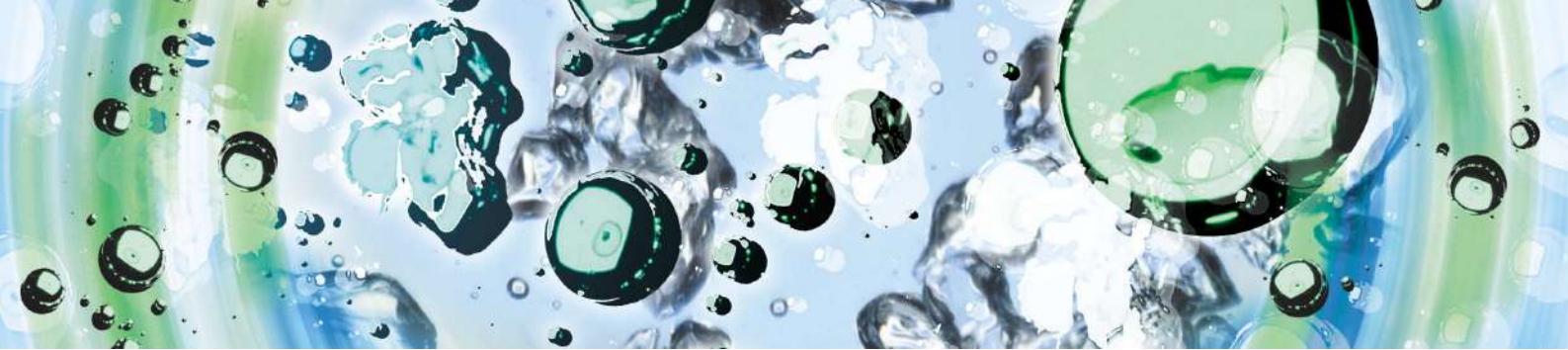
Mounting

- 1, 2, even 3 different agitators by tank
- Entries at the bottom, the top or the side of the tank
- Right or tilted position

Applications

- Phosphoric Acid (fertilizers), Hydrometallurgy (Zn, Au, Co, Al₂O₃, Cu, Mn, Ni...),
- Polymerization (PVC, PP, PS, ABS, PU...)
- Fermentation (sugar derivatives, amino acids, antibiotic, polypeptides...)
- Fine Chemicals (synthesis of active ingredients)
- Reaction of hydrogenation, ozonization, oxidation, sulfonation
- Polymers (synthesis and mixture of phases to complex rheology)






Robin® Range

Agitation calls upon competences in the field of mechanics, hydraulics and chemical engineering. It is the control of these 3 disciplines which allows Milton Roy Mixing to offer a solution of agitation tuned to the customer requirement, according to his priorities :

- Capital cost
- Cost of operation
- Performance

Agitation Impellers...

The  **Robin®** agitators, can receive, in addition to traditional propellers, patented propellers HPM, Sabre®, anchors, ribbon, self-suction turbine and any propeller designed by the customer.

Because agitation can make your process progress ...

The role of agitation in the manufacture of a product can be simple (suspension, homogenisation), it can also be the heart of your process (reaction, thermal transfer...). Whatever is the degree of importance of agitation, no mediocrity, no failure is accepted as well on the level of the effectiveness as on reliability. It is frequent that a solution of well designed agitation can make the productivity progress from 10 to 50% !

This is why,  **Robin®** mixers are designed in close cooperation with the user.

A laboratory at your service...

MILTON ROY MIXING Laboratory has several targets :

- Studies intended to improve propellers efficiency (shape, flowrate...)
- Studies of basic chemical process placed in particular conditions (crystallization, solid suspension ...)
- To confirm a mixing solution for a new project
- To assist the customer in his process improvement

To achieve these goals MILTON ROY MIXING has several transparent vessels (up to 5000L) and hydraulic related softwares.

DOSAPRO MILTON ROY

DOSAPRO MILTON ROY
10, Grande Rue
27360 PONT SAINT PIERRE
FRANCE
Tel : +33 (0) 2.32.68.30.00
Fax : +33 (0) 2.32.68.30.93
www.dosapro.com

UNITED KINGDOM – MILTON ROY UK, LTD
Oaklands Business Centre, Oaklands Park,
Wokingham Berkshire RG 41 2FD
Tel : +44 118 977 1066 Fax : +44 118 977 1198
www.miltonroyumps.co.uk

ESPAÑA - DOSAPRO MILTON ROY IBERICA
C/ Embajadores, 100 – 28012 Madrid
Tel : +34 (91) 517 80 00 Fax : +34 (91) 517 52 38
www.dosapro.es

ITALIA – MILTON ROY ITALIA
Centro Direzionale Colleoni, palazzo andromeda ingresso 1,
via paracelso 16, 20041 Agrate Brianza (MI)
Tel : +39 039 605 68 91 Fax : +39 039 605 69 06
www.miltonroy.it

MILTON ROY Mixing

MILTON ROY MIXING
10, rue du bois Gasseau BP N°94
77212 AVON Cedex
FRANCE
Tel : +33 (0) 1.60.74.95.20
Fax : +33 (0) 1.60.74.95.29
www.miltonroymixing.com