

Valid for one propeller range (two propellers range : please consult us)

SELECTION FOR MAIN APPLICATIONS IN OPEN OR CLOSED TANKS

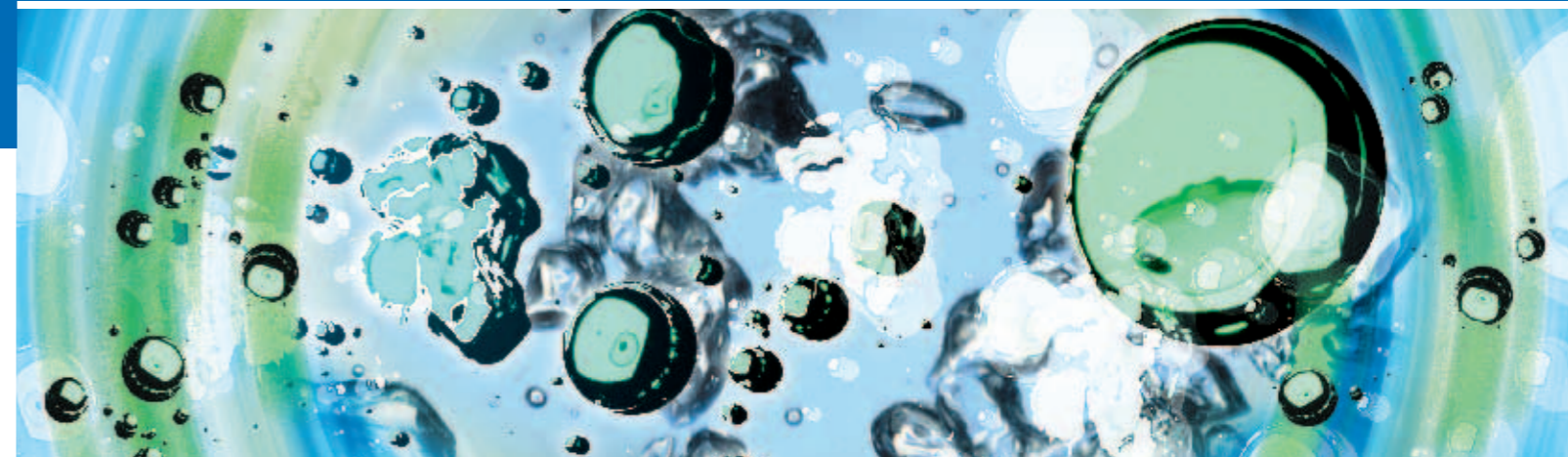
Application Approx. capacity m ³		Storage Preparation Neutralization	Homogenization Lime milk Polyelectrolyte	Solid suspension Easy dissolving Flash mixing	Heat transfer Hard dissolving Reaction	Flocculation
		Weak agitation	Medium agitation	High agitation	High agitation	Weak agitation
< 0,5	Open tanks	VDA 2200 VRP 0020	VDA 2200, VDA 4630 VRP 0030	VDA 2200, VRG 0020 VLA 5600	VDA 4600, VLA 5600 VRG 2030	FRF 0041
	Closed tanks	VT 1000	VT 1000	VT 1000	VT 1000	
0,5 to 1	Open tanks	VDA 2500 VRP 0030	VDA 5630 VRP 1051	VLA 5600, VRP 1050 VRG 2030	VRG 1040 VRG 3060	FRF 0051
	Closed tanks	VT 1000	VT 1000	VT 1000	VT 1000	
1 to 3	Open tanks	VDA 4300, VRP 1050 VRG 1040	VDA 4300 VRG 1040	VLA 5600, VRG 1040 VRG 3060	VRG 3060 VRT 1081	FRF 0061
	Closed tanks	VT 1000	VT 1000	VT 2000	VT 2000	
3 to 10	Open tanks	VRP 0050 VRP 1050	VRG 3060, VRT 1080 VRP 2060	VRG 3060 VRT 1080	VRT 1080 VRT 3140	FRF 0081 to FRF 0101
	Closed tanks	VT 2000	VT 2000	VT 3000	VT 3000	
10 to 40	Open tanks	VRT 1080 to VRT 2160	VRT 2100 to VRT 2160	VRT 4120 to VRT 5180	VRT 5160 to VRT 7200	FRF 0121 to FRF 0161
	Closed tanks	VT 3000	VT 4000	VT 4000	VT 4000	
40 to 70	Open tanks	VRT 2160	VRT 2160 to VRT 5160	VRT 5200 to VRT 7200	VRG 9160 to VRG 9180	FRF 0201 to FRF 0202
	Closed tanks	VT 5000	VT 5000	PLEASE CONSULT		
70 to 130	Open tanks	VRT 2160 to VRT 5180	VRT 5180 to VRT 5200	VRG 9180	VRG 9180 CONSULT OVER 100 m ³	FRF 0202 to FRF 0203
	Closed tanks	VT 5000	VT 5000	PLEASE CONSULT		
130 to 200	Open tanks	VRT 5200 to VRT 7200	VRT 7200 CONSULT OVER 100 m ³	PLEASE CONSULT		FRF 1251
	Closed tanks	VT 5000	PLEASE CONSULT			

*For information only : a strict selection depends on numerous parameters (viscosity, tank height, tank shape...) please consult MRM for any choice.
Other operations can be proceeded with HELISEM® mixers, consult us for checking.
The selection suggests a mixer family, please ask the specific data sheet of the model.
Tank height/tank dia. from 0.8 to 1.2 approx., liquid viscosity < 100 mPas.*



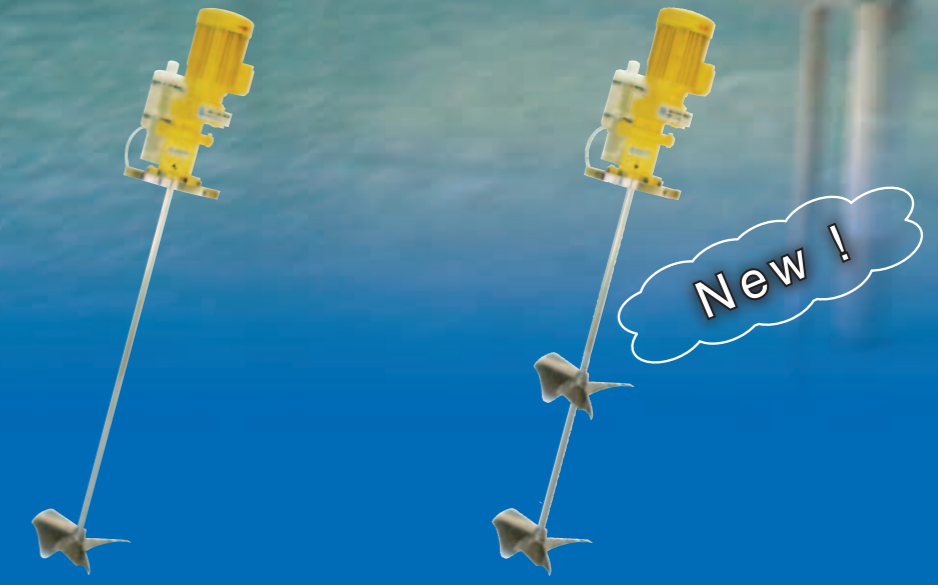
Milton Roy Mixing is located in all continents, please see our website for your nearest sale office.

Réf : MRM 8201101 - Rev. 04 - 04/11 - All rights reserved for any modification without prior notice.



HELISEM® range

At the heart of mixing



New!



HELISEM[®]

A range of mixers to cover all your needs

STANDARD CONSTRUCTION

OPTIONS*

OPEN TANKS

CLOSED TANKS

Temperature below 90°C
Atmospheric pressure - Specific gravity < 1.1 - Viscosity < 100 mPas

Temperature from 20 to 150°C
Pressure from -1 to 7 bars
(Depending on mixer type)
Specific gravity < 1.1Kg/dm³
Viscosity < 100 mPas

APPROX. OPERATING VOLUME

0,15 to 3 m³

0,2 to 10 m³

0,5 to 100 m³

3 to 200 m³

0,5 to 700 m³

0,03 to 170 m³

CONSTRUCTION

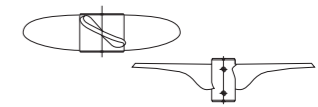
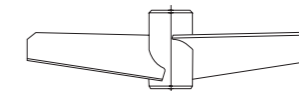
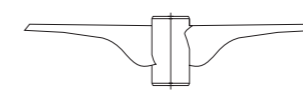
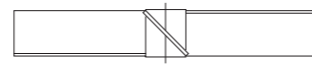
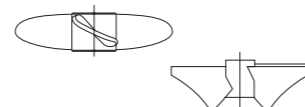
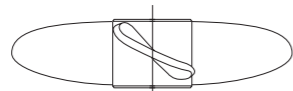
Direct drive, simple and reliable construction

Direct drive, lantern with bearing, for a better guidance of the shaft

Motor with high capacity gear box, solid or tubular shaft, impellers for all processes

Motor with hollow shaft gear box, lantern with oversized bearing, seal device by mechanical seal (6 different models), solid or tubular shaft

IMPELLER TYPE (adjustable position on shaft)



Marine propeller

Marine propeller or sabre[®]

4 Pitched blades turbine

Sabre[®] propeller with broad blades

Sabre[®] propeller with thin blades

2 blades propeller

Marine propeller High efficiency propeller

IMPELLERS DIAMETER (mm)

80 to 200

128 à 200

200 to 800

200 to 1800

850 to 2000

300 to 3600

140 to 2500

ROTATION SPEED (rpm)

750 / 1500

1000 / 1500

73 to 140

40 to 290

40 to 173

8 to 70

29 to 140

RATED POWER (kW)

0,25 to 1,5

0,37 to 1,5

0,25 to 3

0,37 to 7,5

0,55 to 4

0,37 to 1,1

0,37 to 7,5

SHAFT LENGTH (m)

1 to 1,5

1,5

1,3 to 2,5

1,5 to 6,3

1,7 to 7,7

1 to 7,2

1 to 5,4

CONSTRUCTION STANDARD

3- phase IP55 motor/TEFC

400 V / 440 V / 460 V

50 Hz / 60 Hz

SS 316L SHAFT & PROPELLER

DRIVE SYSTEM

ALU MOTOR

CAST IRON MOTOR

EexdIIBT4

NEMA NORM

ATEX

TANK FIXATION

SQUARE PLATE FOR MIXER MOUNTING

Mixer fixation with ISO flange

CONSTRUCTION MATERIAL

CTFE Coating

CARBON STEEL SHAFT & PROPELLER

VARIABLE SPEED CONTROLLER

ELECTRONIC SPEED CONTROLLER POSITIONED INTO THE MOTOR TERMINAL BOX OR IN CABINET

*Other option, please consult

*NEW RANGE WITH TWO PROPELLERS.

