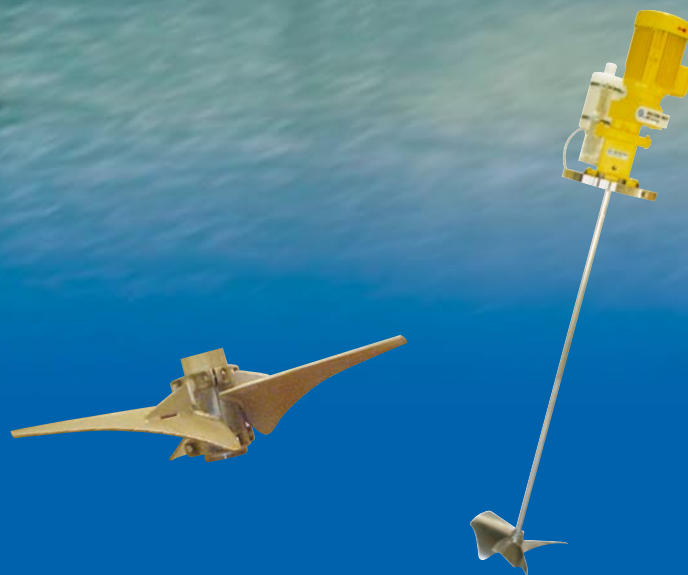


HELISEM[®] range

At the heart of mixing

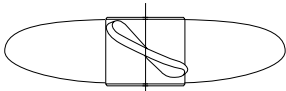
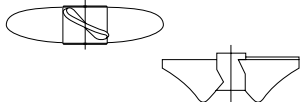
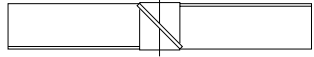


MILTON ROY
Mixing

HELISEM®

STANDARD CONSTRUCTION

OPTIONS*

| APPROX. OPERATING VOLUME | 0,15 to 3 m ³ | | 0,2 to 10 m ³ |
|--|---|--|---|
| | CONSTRUCTION | Direct drive, simple and reliable construction | Direct drive, lantern with bearing, for a better guidance of the shaft |
| IMPELLER TYPE (adjustable position on shaft) |  |  |  |
| | <i>Marine propeller</i> | <i>Marine propeller or sabre®</i> | <i>4 Pitched blades turbine</i> |
| IMPELLERS DIAMETER (mm) | 80 to 200 | 128 à 200 | 200 to 800 |
| ROTATION SPEED (rpm) | 750 / 1500 | 1000 / 1500 | 73 to 140 |
| RATED POWER (kW) | 0,25 to 1,5 | 0,37 to 1,5 | 0,25 to 3 |
| SHAFT LENGTH (m) | 1 to 1,5 | 1,5 | 1,3 to 2,5 |
| CONSTRUCTION STANDARD | 3- phase IP55 motor/TEFC | - | 400 V / 440 V / 480 V |
| DRIVE SYSTEM | ALU MOTOR | - | CAST IRON MOTOR |
| TANK FIXATION | | | SQUARE PLATE FOOT |
| CONSTRUCTION MATERIAL | CTFE Coating | | |
| VARIABLE SPEED CONTROLLER | | | ELECTRONIC |

*Other option, please consult



A range of mixers to cover all your needs

TANKS

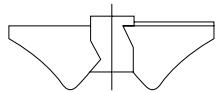
Temperature below 90°C
Specific gravity < 1.1 - Viscosity < 100 mPas

0,5 to 100 m³

3 to 200 m³

0,5 to 700 m³

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



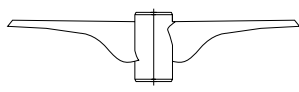
Sabre® propeller with broad blades

200 to 1800

40 to 290

0,37 to 7,5

1,5 to 6,3



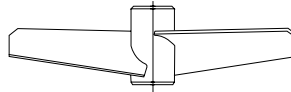
Sabre® propeller with thin blades

850 to 2000

40 to 173

0,55 to 4

1,7 to 7,7



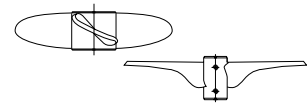
2 blades propeller

300 to 3600

8 to 70

0,37 to 1,1

1 to 7,2



Marine propeller
High efficiency propeller

140 to 2000

29 to 140

0,37 to 7,5

1 to 5,4

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

0 V

-

50 Hz / 60 Hz

-

SS 316L SHAFT & PROPELLER

FOR EexdIIBT4

-

NEMA NORM

-

ATEX

VERTICAL MIXER MOUNTING

Mixer fixation with ISO flange

CARBON STEEL SHAFT & PROPELLER

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



VRG



VRT



FRF



VT

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 |
| | 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.*

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Mixing
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please see our website for your nearest sale office.