

## PORTABLE MIXERS

GREC has standardized a range of lightweight portable mixers for 200 liters drums and 1000 liters IBCs.

According to EC regulations, these mixers can be held by one person, with possible help of lifting devices, can be fixed to the border of the container, and are equipped with local switch for full safety (electric version).

They are designed to minimize weight and to maximize efficiency.

Mixers are driven by compressed air (with pneumatic motor) or electric power (with single/three phases electric motors).

Pneumatic versions gives additional feature of variable speed and ATEX conformance.

Electric version include a standard panel with ON/OFF button, 16A industrial plug which avoid local wiring, thermal motor protection switch with undervoltage trip, and emergency stop button. For portable mixer this safety device is mandatory.

Range is function of following parameters:

- Vessel type (200 or 1000 liters)
- Motor (electric or pneumatic)
- Application: blending standard, soft or viscous, dispersion

Optionals:

- Non standard Cover for open tanks
- Motor Integrated Inverter IP54 with display
- ATEX certification (not for folding turbine)
- Other under request



*Version for 1000 liters standard IBC, 150 mm opening:*

- ✓ Steel support with fixing clamps to IBC structure
- ✓ Electric motor with local switch and 16A plug
- ✓ Helical Gearbox
- ✓ Folding Axial Turbine



*Version for 200 liters open drum:*

- ✓ Two positions clamp
- ✓ Pneumatic motor with silencer
- ✓ Marine propeller
- ✓ ATEX certified

## 200 Liters Drum

Standard metallic chemicals drum, diameter 57cm, height 85cm.

Mixer is fixed to drum edge or external support with a clamp, or directly flanged on the cover.

Model	Service	Impeller Type	Impeller dia [mm]	Flow [m <sup>3</sup> /h]	Motor	Speed [rpm]	Shaft d x L [mm]	Max visc. [cps]	Height [mm]	Total weight [Kg]
AVM0-0,12/8-M	Standard	Marine	160	61	0,12 kW 8p	690	20 x 700	1.400	215	9
AVM0-0,12p-M					Pneumatic				215	10
AVSM0-0,12/190-M	Soft	Marine	220	61	0,12 kW 4p	190	25 x 650	150	330	10
AVSM0-0,75/280-C	Viscous	Sabre	300	380	0,75 kW 4p	280	25 x 600	10.000	435	24
AVSM0-0,75/280p-C					Pneumatic				360	20
AV0-1,1-S	Dispersion	Cowles	150	86	1,1 kw 4p	1420	35 x 650	2.500	280	22

*Model with electric motor, may be equipped with speed variator, adding 110mm & 5Kg to mixer – as alternative, integrated inverter motor is only 2kg additional weight*

## 1000 liters IBC

Standard white plastic container with zinc plated external structure, base 1,2 x 1m, height 1m.

Mixer is provided with steel support, able to be fixed to the external structure.

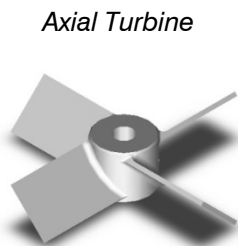
Folding axial turbine, dia 350mm is able to enter in the standard 150mm opening.

Model	Service	Impeller Type	Impeller dia [mm]	Flow [m <sup>3</sup> /h]	Motor	Speed [rpm]	Shaft d x L [mm]	Max visc. [cps]	Height [mm]	Total weight [Kg]
AV0-0,75-M	Standard	Marine	160	170	0,75 kW 4p	1400	20 x 850	800	240	16
AV0-0,75p-M					Pneumatic				250	12
AVS0-0,25/110-P	Soft	Folding Axial Turbine	350	220	0,25 kW 8p	110	30 x 700	600	440	25
AVS0-0,25/110p-P					Pneumatic				400	24
AVS0-0,75/220-P	Viscous	Folding Axial Turbine	350	440	0,75 kW 4p	220	30 x 700	5.000	440	25
AVS0-0,75/220p-P					Pneumatic				400	24
AVS1-1,5/300-P	Very Viscous	Folding Axial Turbine	350	500	1,5 kW 4p	300	30 x 700	10.000	500	32
AVS1-1,5/300p-P					Pneumatic				370	26

*Model with electric motor, may be equipped with speed variator, adding 140mm & 7Kg to mixer – as alternative, integrated inverter motor is only 2kg additional weight*



Sabre Impeller



Axial Turbine



Folding Axial Turbine



Cowles



Marine Propeller