



## High Shear Mixer/ Mixer for Powder/Mill/Granulator/Roller Press Aeromatic PMA 25/10

### Images

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### Product details

<b>Category:</b>	Sold
<b>Machine:</b>	PMA 25/10
<b>Machine code:</b>	IT505
<b>Manufacturer:</b>	Aeromatic
<b>Year of construction:</b>	1993

### Description

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Gross volume 25 Lt. and the other bowl 10 lt.

Normal working volume 15 Lt for the 25 lt bowl and 6 lt for the 10 lt

Average granulated batch weight max. 10 Kg. for the 25 lt bowl and 3 kg for the 10 lt.

Impeller speed 243/486 RPM 25 lt and 300/ 600 RPM for 10 lt

Impeller motor capacities 4/5.5 kW 25 lt and 1.5/ 2.2 kW for 10 lt

Granulator speeds 1500/3000 RPM

Granulator motor capacity 1.3/1.8 kW

The powder are circulated and fluidized by the mail impeller . Small ingredients and agglomerates are dispersed by high velocity collisions between individual powder particles. The high shearing granulator also assists with dry mixing and the dispersion of the granulating media over the surface of each powder particle followed by a rolling action which "snow-balls" the wet particles into granule without forming lumps .

The intensive mixing action of pharma mixer is mainly achieved by powder particles shearing and colliding with each other and to a lesser extent by the impact of powder particles against the metal surfaces . This intensive action , together with the positive vortex circulation of the powder , breaks down agglomerates and disperses less than 0.5% of an ingredient in 1 - 3 minutes .