



High Shear Mixers/Powder Mixers/Mills/Granulators/Roller Compactors Aeromatic-Fielder PMA 25 L

Images



Product details

Category:	High Shear Mixers/Powder Mixers/Mills/Granulators/Roller Compactors
Machine:	PMA 25 L
Machine code:	23-926
Manufacturer:	Aeromatic-Fielder
Year of construction:	n/a



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Description

Producer Aeromatic – Fielder

Model PMA 25

Gross volume 25 Lt.

Normal working volume 15 Lt

Average granulated batch weight max. 10 Kg.

Impeller speed 243/486 RPM

Impeller motor capacities 4/5.5 kW

Granulator speeds 1500/3000 RPM

Granulator motor capacity 1.3/1.8 kW

The powder are circulated and fluidized by the 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 .