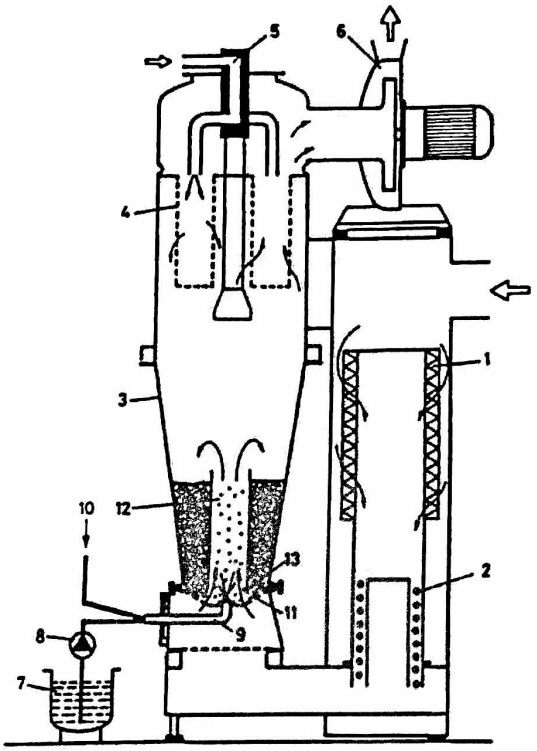
AEROMATIC

FLUID-BED AEROCOATER

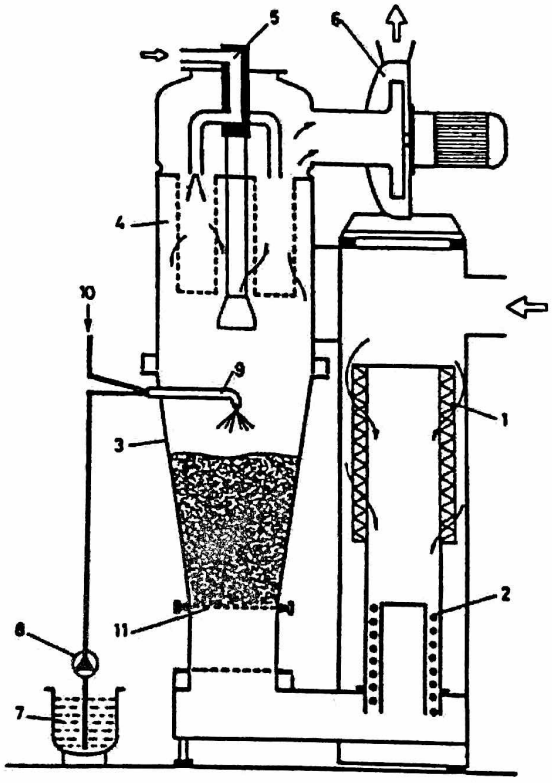


The fluid bed Aerocoater is used to coat fluidizable particles like pellets, granulates, powders and certain tablets. A product container (3) is used for this purpose, equipped with a perforated bottom plate (11), which is available with various hole diameters, and a center pipe (12) and a spray nozzle (9) fitted directly below it. The material that has been filled into the product container is lifted in the center pipe (12) by the upward stream of warm air and simultaneously sprayed from below with the finely atomized granulating liquid. After being coated, the product is allowed to fall downwards on the outside of the center pipe and passes through the pipe again for further spraying treatment. Whilst moving downwards, the granulating liquid, sprayed onto the product particles, is successively dried by the upward stream of warm air.

This process is an easily applicable and economical method of coating the fluidizable particles.

AEROMATIC

FLUID-BED SPRAY GRANULATOR

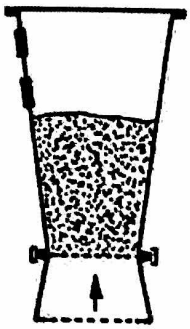


The batchwise Production of Agglomerates of Low Densitiy

The warm air streams upwards through the material in the product container (3) and transforms it into a fluidized state. After the individual dry substances have been mixed, the granulating liquid is sprayed by a pump (8) through a nozzle (9) onto the particles until agglomerates of the desired size have formed. Owing to the extensive heat exchange area the warm air absorbs the moisture of the product in the shortest possible time.

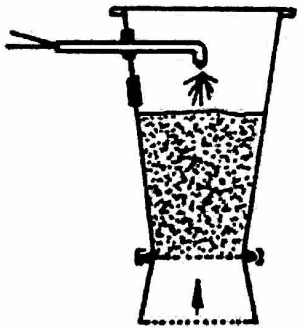
This process guarantees an optimal product quality due to short residence times and minimum thermal strain.

CHOICE OF PRODUCT CONTAINER



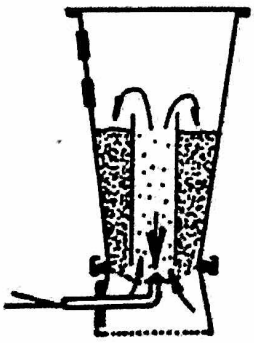
Drying

Container for the drying of fluidizable materials such as powder, granules, crystals etc..



Spray-granulation

Container with injection nozzle for the production of low density agglomerates.



Coating

Container with additional equipment for coating fluidized particles such as pellets, granules, powder and certain types of small tablets.

Attention

Inlet air temperature with plexiglas container max. 80°C.