

Novel solution for drying of pharmaceutical active substances

AVA-Huep, Herrsching, Germany, reports that it has just delivered a vertical multi-purpose drier which has been successfully put into operation for different APIs (active pharmaceutical ingredients). The processing of highly active products requires containment measures by the customer in order to provide adequate protection for the operating staff. The drier was designed with specific features to support these measures.

The product is directly charged into the drier and then heated under vacuum. After a certain product temperature is exceeded, contained solvent begins to evaporate.

The drier operates on the principle of contact heat transfer, i.e. the energy input or output indirectly takes place via the double-walled vessel shell. The agitator, also heated, was designed with short distance to the vessel wall, ensuring a close contact between the product and the heated surfaces and thereby enhancing the heat transfer. As a result of permanent product circulation, AVA-Huep was able to maintain homogeneous product properties (moisture, temperature) in the vessel area.

The mixer meets the highest requirements for safety at work, since emissions can be



avoided by means of the special feature of a fully automatic shutter system for the drier vessel as well as the sophisticated docking system for the product charging and discharging.

This is just one of the many innovative AVA-Huep machines that are currently in the delivery or start-up stage.

www.ava-huep.de

Specially adapted drier from AVA-Huep