

Apollo HygroPOD™

Unitary Foods/Materials Moisture Removal System



Introduction

The preservation of raw food goods and some process materials can be critical for companies that produce and/or use them as their core product. Apollo Power Solutions' "HygroPOD™" addresses the need to improve product uniformity in texture, consistency and defined moisture content while delivering increased production through-put via decreased process time to the producer.

"HygroPOD™" is a self-contained system into which the raw product is placed. As an 'air based' system that uniformly disperses dry, heated air in, around and through the product, "HygroPOD™" creates a benign yet effective means to control the de-moisturizing process and expedite the delivery of product out and into the distribution channel.

Concept

Utilizing a variety of heat means based on site availability, "HygroPOD™" can apply gas generated heat, steam generated heat, electric radiant generated heat or mechanically generated heat (heat pump) that coupled with monitored laminar and diverted flow air uniformly envelopes the contained product ensuring consistent contact and de-moisturizing.

Not intended as a full dehydration unit, but rather a mid-range semi-passive system, "HygroPOD™" is perfect for removing partial-weight volume water content.



Process

Contained or mixed product is loaded into "HygroPOD™" and scales sample weight-select loads. Along with air content, ambient and contained, this weight data is factored in via a microprocessor which through proprietary algorithms monitors and operates the complete process start to finish.

The result is near-uniformly de-moisturized product in dramatically shortened time frames... with outputs often at near double per shift.

Giving complete control of the last pre-distribution step BACK to the processor... "HygroPOD™" delivers processed product under YOUR control all while helping to increase your bottom line.

Finally... An easy to use moisture removal system that fits a wide variety of applications.

HygroPOD™... It Delivers the Goods!

[See Apollo Power Solutions' other Unitary Products as well for additional applications:

"HortiPOD™" & "EnerPOD™"]

"HygroPOD™", "HortiPOD™" & "EnerPOD™" are Trademark Proprietary Properties of Apollo Power Solutions, Inc.

