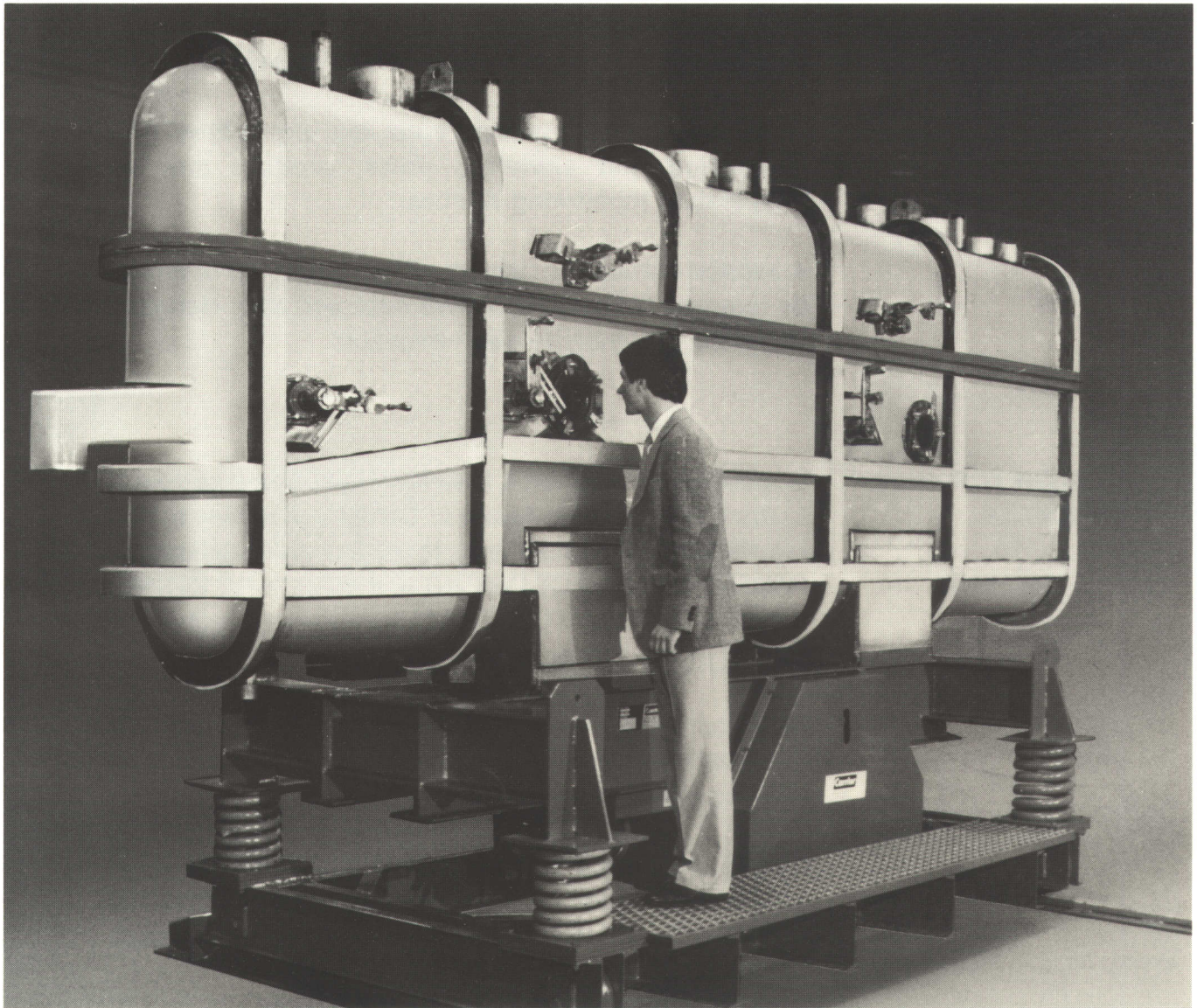


# **VIBRATING FLUID—BED PRESSURE VESSEL**



## VIBRATING FLUID-BED PRESSURE VESSEL

**APPLICATION:** Drying of herbicide

**SYSTEM:** Unit is designed to withstand an internal pressure of 7 psig.

Constructed of 304 stainless steel, this unit is fitted with inspection and sampling ports, product and air temperature monitoring devices.

A support carriage on casters allows lower half of unit to be removed for access to drive deck and easy cleaning. The hood assembly is also removable.

**REASON FOR  
PURCHASE:**

The customer required a fluid-bed dryer pressure vessel to dry a new product. Aware of Carrier's expertise in drying, they asked our engineers to work on this application. Requirement: DIRECT DRYING and PRESSURE VESSEL DESIGN CAPABLE TO WITHSTAND 7 psig without deformation of the vessel or seal leakage.

Several suppliers were contacted; CARRIER was the only manufacturer with the capabilities to supply this special dryer to their specifications.

Hydrostatic stress testing was conducted on the completed dryer in our Lab. Witnessed by engineers from the customer's plant, this testing proved the product design before shipment.

**THIS PROJECT IS TYPICAL OF CARRIER'S INVOLVEMENT IN  
HELPING ENGINEERS TO PROCESS NEW PRODUCTS**

**We're the Problem Solvers**

**Carrier** Vibrating Equipment, Inc.