The Prentex VDO 9900 degasses through the use of an integrated self-contained vacuum oven and vacuum supply controlled by a digital microprocessor with the vacuum pressure indicated directly in kPa absolute, as specified in the Standard Practice, providing the operator with simplicity of operation and reducing the chance of error in performing the degassing process.

The measurement method differs from most vacuum ovens in that conventional vacuum ovens measure temperature of the “vacuum”, which by definition is a very poor conductor of heat. Instead, our device measures where degassed asphalt temperature has shown to stabilize; namely, at the aluminum support for the sample tins which is machined from 1/4” [6.4mm] thick aluminum.

Samples being degassed may be monitored visually through the glass viewing window located on the units cover.

Compliant with ASTM, AASHTO, and EN-14769 Standards.

General Specifications
Opt. 1: 115-125 Volts, 60 Hz AC, 10 Amps max.  

Dimensions
14.25” wide by 17.75” deep by 14.5” high; 
(360mm X 450mm X 370mm)

Weight
60lbs (27 kg)  
Shipping weight: 70lbs

Temperature Display: Degrees Celsius
Preset Preheat: 170°C

Pressure Display
Direct-reading Relative Pressure Gauge mounted to align with external kPa Absolute Scale reads 0 to -30 Hg and 0 to -115 kPa

Digital Controller
Integral Temperature with 2-stage timing and relay control of vacuum system. Alerts operator to load sample.

Vacuum
Adjustment is provided through a 10-turn metering valve located on the removable lid.

Process
10 minute reheat time followed by 30 minutes of heat with vacuum

Sample Tins
Four 8 ounce / 250 ml sample tins are furnished with the Model 9900. These tins are often referred to as “ointment tins” and are approximately 3” / 75 mm diameter x 2” / 50 mm deep. Smaller tins may be required to meet the minimum sample depth of 15 mm. (See Prentex’ parts and accessory catalog)