



HUMBOLDT

H-2740 & H-2741 VaporPlus Curing Room Systems



H-2740

VaporPlus Curing Room System

ASTM C511

Humboldt's VaporPlus Curing Room Systems provide ideal solutions for maintaining concrete curing rooms within ASTM C511 specifications. The VaporPlus systems utilize air atomization technology to produce a fine vapor fog to create the optimal environment for storing and curing concrete testing samples, such as cylinders — maintaining the high humidity levels (up to 100%) required for curing rooms.

The VaporPlus system is designed to provide consistent humidity results for standard-sized rooms, such as a 12' x 12' x 8', or 1728 cubic feet. However, this single-nozzle system has successfully met ASTM C511 humidity requirements in rooms as large as 5600 cubic ft. Humidity readings can be affected by high ceilings, L-shaped or other room configurations. For these rooms or as rooms get larger, additional nozzles can be added to maintain consistent humidity levels throughout the room. Other factors, which affect humidity levels include nozzle location, as well as the air turnover

within the room including times when doors or windows are opened.

VaporPlus Curing Room Systems are now available in several, easy-to-install models allowing you to choose the one that fits your room, budget and needs. Each system comes with a water filtration unit, which includes sediment removal and 100% KDF, anti-bacterial filter and a compressor unit. The systems also include a stainless steel, air atomizing nozzle, which produces a fine vapor fog. This nozzle will not rust and is resistant to clogging. Tubing is included, which is easily assembled using quick-connect connections.

VaporPlus systems come with either a simple timer control or an advanced, touch-screen, data-logger controller, which records humidity and temperature with the use of the included heated humidity sensor. Models are also available with or without the TriOBreeze Sanitizing System.

The TriOBreeze is an effortless way to clean your curing room, without use of harsh chemicals or manual labor. The system's generation of activated oxygen (O₃) is a rela-

H-2740 and H-2741 VaporPlus Curing Room System



H-2740



H-2740T



H-2741



H-2741T

tively simple process using ordinary air. Oxygen (O₂) and nitrogen (N₂) are the raw materials. As the air is drawn through the reaction chamber, energy is supplied, which splits some oxygen molecules into oxygen atoms. Some of these atoms then quickly react with oxygen molecules to form activated oxygen.

- O₃ has a greater disinfection effectiveness against bacteria and viruses compared to chlorination
- O₃ kills pathogens on contact, converts to regular oxygen, and leaves no toxic residuals
- O₃ is effective against Listeria, Salmonella, Coli, Norovirus, Campylobacter and other pathogens

VaporPlus Curing Room Humidity System with Touch-Screen Control

ASTM C511

This system includes an advanced, touch-screen controller, a water filtration unit, which includes sediment removal and 100% KDF, anti-bacterial filter and a compressor unit, which features an adjustable water regulator for added humidity control.

This system is also available with the TriOBreeze Sanitizer System. The TriOBreeze is an effortless way to clean your curing room, without use the of harsh chemicals or manual labor. The system's generation of activated oxygen (O(O₃)) is a relatively simple process using ordinary air. Oxygen (O₂) and nitrogen (N(O₂)) are the raw materials. As the air is drawn through the reaction chamber, energy is supplied, which splits some oxygen molecules into oxygen atoms. Some of these atoms then quickly react with oxygen molecules to form activated oxygen.

VaporPlus System with Touch-Screen Control

115V, 60Hz	H-2740
220V, 60Hz	H-2740.2F
220V, 50Hz	H-2740.5F

Ship wt. 47lbs. (21.3kg)

Vapor Plus System with Touch-Screen Control plus TriOBreeze Sanitizer

115V, 60Hz	H-2740T
220V, 60Hz	H-2740T.2F
220V, 50Hz	H-2740T.5F

Ship wt. 77lbs. (35kg)

VaporPlus Curing Room Humidity System with Timer

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The system is comprised of a simple timer, stainless steel, air atomizing nozzles, which produce a fine vapor fog, won't rust and are resistant against clogging. A water filtration unit, which includes sediment removal and 100% KDF, anti-bacterial filter and a compressor unit, which includes an adjustable water regulator for added humidity control.

This system is also available with the TriOBreeze Sanitizer System. The TriOBreeze is an effortless way to clean your curing room, without use the of harsh chemicals or manual labor. The system's generation of activated oxygen (O(O₃)) is a relatively simple process using ordinary air. Oxygen (O₂) and nitrogen (N(O₂)) are the raw materials. As the air is drawn through the reaction chamber, energy is supplied, which splits some oxygen molecules into oxygen atoms. Some of these atoms then quickly react with oxygen molecules to form activated oxygen.

VaporPlus System with Timer

115V, 60Hz	H-2741
220V, 60Hz	H-2741.2F
220V, 50Hz	H-2741.5F

Ship wt. 47lbs. (21.3kg)

Vapor Plus with Timer plus TriOBreeze Sanitizer

115V, 60Hz	H-2741T
220V, 60Hz	H-2741T.2F
220V, 50Hz	H-2741T.5F

Ship wt. 77lbs. (35kg)



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