

# Dry Towers



## PRODUCT DESCRIPTION

The Drying Tower is a modular addition to the Reel-to-Reel Web Handling Module. It allows previously dispensed webs of material to be continuously dried. Three drying stages are assembled into a dry tower. Each drying stage provides a two foot (61 cm) drying zone which is temperature controlled in both flow directions; thus a 3-stage drying tower module provides 6 feet (182 cm) of drying zone. Multiple 3-stage drying tower modules may be employed in series, saving work space.

The BioDot drying tower modules provides forced heated air convection supplemented with far infrared radiation. The independent controls for each drying tower module incorporate a close loop set point temperature control, sensing air at a site adjacent to the membrane path. The drying tower modules are connected to the emergency-stop interlock of the reel-to-reel web handling system.

## FEATURES AND BENEFITS

### CONTROL

Each drying zone has independent controls for temperature.

### FLEXIBLE

Each drying module will accommodate membranes or absorbent material in widths up to 4" (10 cm)

### HIGH PRODUCTIVITY

Multiple tower additions offer increased throughput capacity.

### DRYER SPEED

Typical speed range is from 0.20"/ sec to 1.96"/ sec. (5 mm/sec to 50 mm/sec) Dependent upon drying temperature, air velocity, number of drying towers, and liquid content to be removed.

## **SPECIFICATIONS**

### **DIMENSIONS (L x W x H)**

Three Stage (RR3130)

Width: 17" (43 cm)

Height: 53" (135 cm)

Depth: 14" (36 cm)

### **WEIGHT**

Three Stage: 111 lbs. (50 kg)

### **TEMPERATURE**

Ambient to 158° F (70° C ) at maximum air flow

### **AIR FLOW RANGE**

Up to 90 SCFM (2550 L/M) with the operation  
of 3 drying tower modules

### **EXHAUST PROVISIONS**

4" (10 cm) diameter outlet duct exhausting vertically

### **POWER REQUIREMENTS**

120/ 208 VAC, 3 phase. 60 Hz, 20 A

