

AIR DELIVERY DEVICE MOUNTING



For Conveyor Side Drying

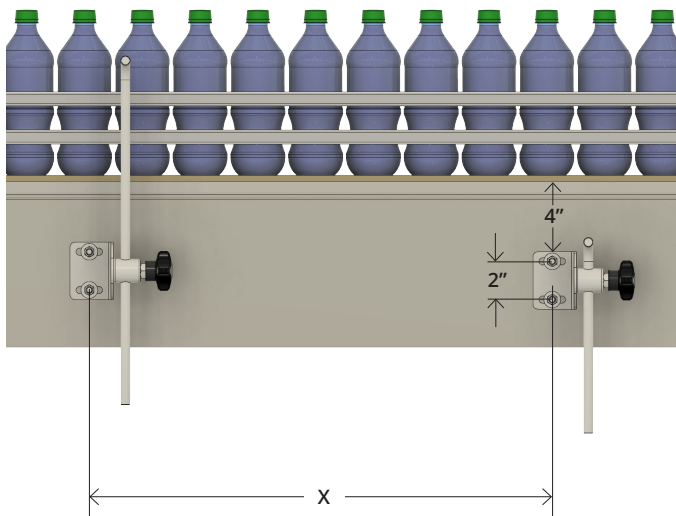
Instructions below are for mounting one of the following Air Delivery Devices: Air Knife, Nozzle Manifold, and Inline Manifold. For multiple devices, repeat instructions and position devices 1–4 feet apart, and preferably not less than 12" apart.

Each Air Delivery Device comes with:

1. Mounting Plate Kit (installed on device)
 - Air Knives = part #8402201-KIT-SIDE
 - Nozzle Manifolds = part #8402201-KIT-SIDE
2. Mounting Rod Kit
 - Air Knives = part #8006632
 - Nozzle Manifolds = part #8006632-NOZ

INSTRUCTIONS

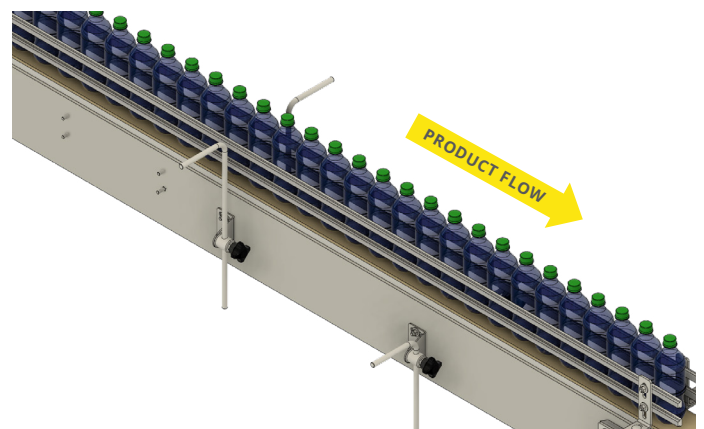
1 Mount rod brackets to conveyor: Drill four 11/32" holes on conveyor sides to mount rod brackets. Alternatively, the brackets can be stud welded to the conveyor using 5/16" bolts. Install brackets such that the knob points to the outside on each bracket (left bracket has knob on left, right bracket has knob on right).



Where X = distance between rod mounting brackets, as shown in the table

Product Height, (inches)	Air Delivery Device Length, (inches)	Center to center distance between rod mounting brackets, (inches)	Product Height, (inches)	Air Delivery Device Length, (inches)	Center to center distance between rod mounting brackets, (inches)
6	12	8 1/8	10	24	19 1/2
8	12	6 5/8	12	24	18 1/2
6	18	14 3/4	8	30	26 5/8
8	18	13 7/8	10	30	26
10	18	12 3/4	12	30	25 1/4
6	24	20 7/8	8	36	32 7/8
8	24	20 3/8	12	36	31 5/8

2 Install rods on the brackets such that the short end of the L rod extends away from the conveyor.



3 Using the knob, adjust the height of the upstream rod so that the top of the rod is at about the height of the product on the conveyor.

4 Repeat on opposite side of conveyor, such that the Air Delivery Devices will be positioned on both sides of the product. The rods should be directly across from each other.



The distance between the mounting rod brackets can be calculated using the following equation:

$$\text{Distance X (inches)} = \text{SQRT} (\text{Air Delivery Device Length} * \text{Air Delivery Device Length} - \text{Product Height} * \text{Product Height}) - 2.26$$

5

Install Air Delivery Device by sliding the two rods through the two knobs on the device brackets, on either end of the Air Delivery Device.

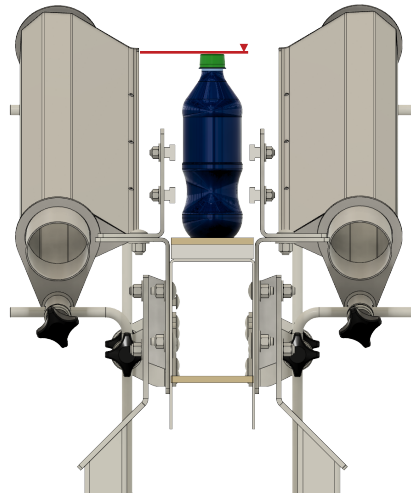
The air inlet is usually pointed down, but can be pointed up, if needed, based on the positioning of the blower, by switching the right hand and left hand devices from side to side.

Remove tape that was holding the brackets in place during shipment.



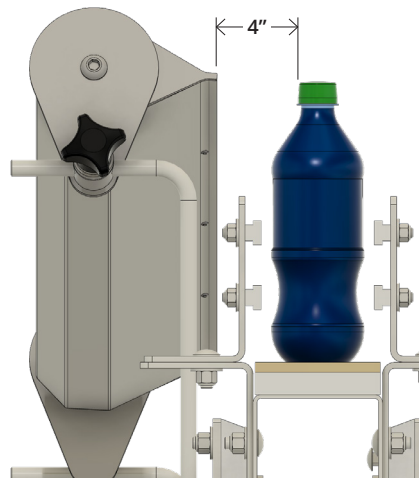
6

Adjust the height of the Air Delivery Device, by loosening the knob on the rod and sliding the rods up or down, so that the top of the Air Delivery Device is just above the top of the product, and the bottom is just below the bottom of the product on the conveyor, to ensure full drying coverage.



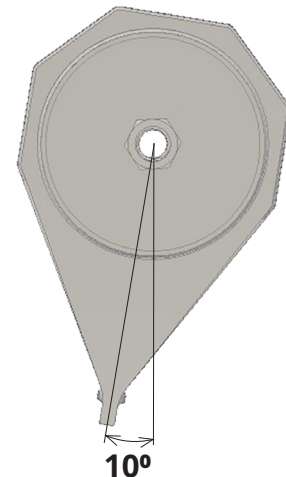
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Using the knobs on the Air Delivery Device, adjust the device to be within 4" of the product being dried, preferably as close as possible.



8

The pitch of the Air Delivery Device can be adjusted using the knob on the end of the device. The Air Delivery Device should be tilted about 10° down, to blow the water off and down the product.



9

Install hose from blower to device inlets, using hose clamps.