

# AIR KNIFE MOUNTING



## For Conveyor Side Drying

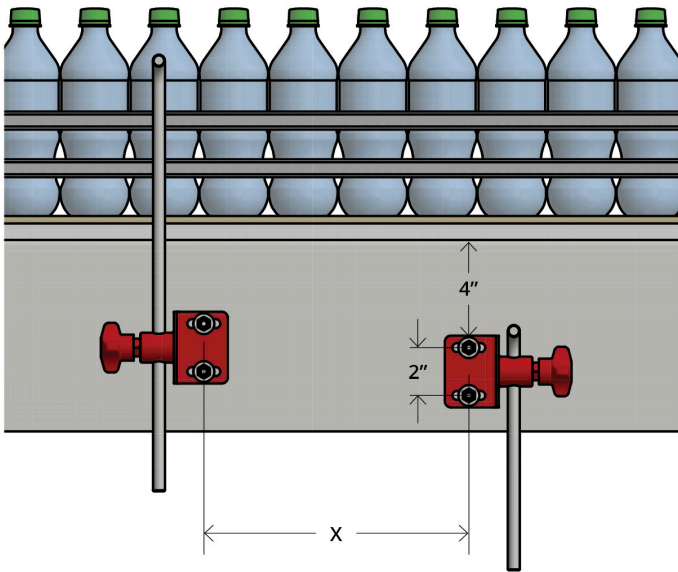
### Each air knife comes with:

1. Mounting plate kit, part # 8001789-KIT-R & -L (installed on knife)
2. Mounting rod kit, part # 8006632

There will be a right-hand and a left-hand air knife (based on positioning of brackets and knobs).

## INSTRUCTIONS

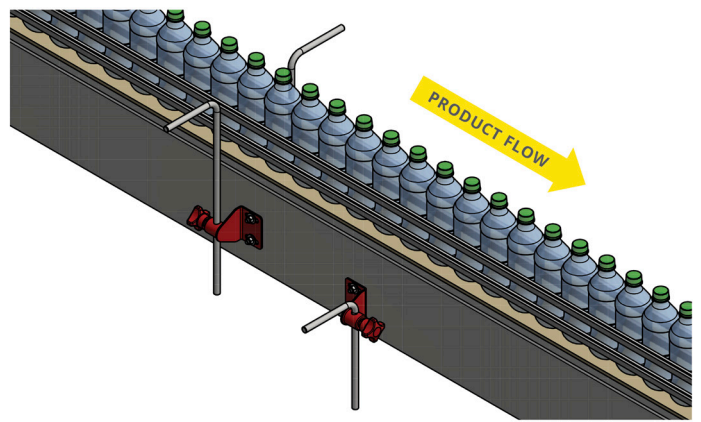
- 1 Mount rod brackets to conveyor: Drill four 11/32" holes on conveyor sides to mount rod brackets. Alternatively, the brackets can be stud welded to the conveyor using 5/16" bolts. Install brackets such that the knob points to the outside on each bracket (left bracket has knob on left, right bracket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



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

Product Height, Inches	Air Knife Length, Inches	Center to center distance between rod mounting brackets, inches	Product Height, Inches	Air Knife 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.

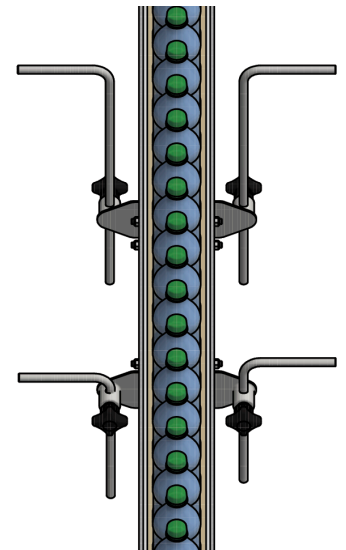


- 3 Using the knob, adjust the height of the upstream rod so that the top of the rod is at about the height of the product on the conveyor.

4

Repeat on opposite side of conveyor, such that the air knives 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:

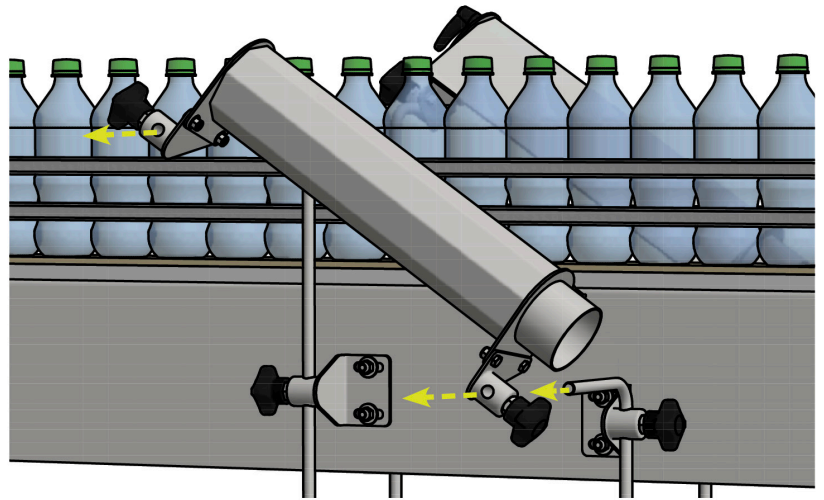
$$\text{Distance X (in inches)} = \text{SQRT (A/K Length} \times \text{A/K Length} - \text{Product Height} \times \text{Product Height)} - 2.26$$

5

Install air knives by sliding the two rods through the two knobs on the air knife brackets on either end of the air knife.

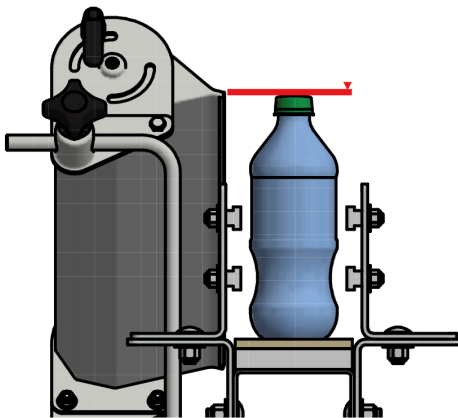
The air inlet is usually pointed down, but can be pointed up, if needed, based on the positioning of the blower, by switching the right hand and left hand knives from side to side.

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



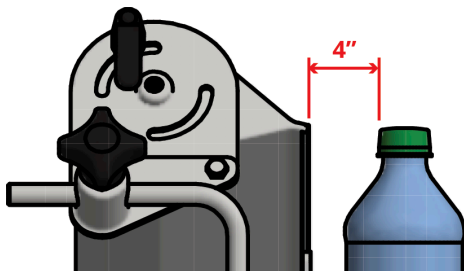
6

Adjust the height of the air knives, by loosening the knob on the rod and sliding the rods up or down, so that the top of the air knife 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.



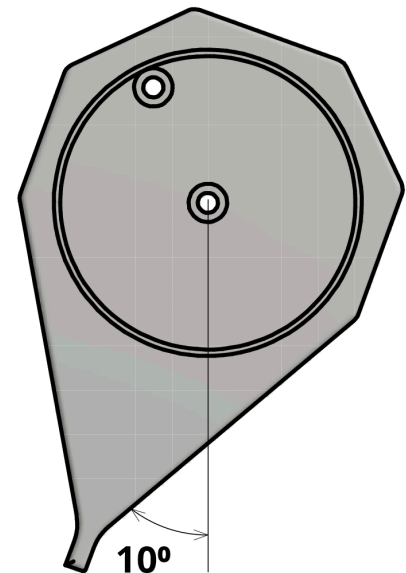
7

Using the knobs on the air knives, adjust the knives to be within 4" of the product being dried, preferably as close as possible.



8

The pitch of the air knives can be adjusted using the knob on the end of the air knife. The air knife should be tilted about 10° down, to blow the water off and down the product.



9

Install hose from blower to air knife inlets, using hose clamps.

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