JMET



JIEMING COANDA EFFECT AIR KNIVES

The greatest advantage of JIEMING Coanda Effect air knives lie in their highest air flow speed, which is continuous and uninterrupted.

Based on Coanda effect and pneumatic clamping theory and manufactured by Germany workmanship and machines, JIEMING Coanda Effect air knives are featured by continuous, uninterrupted and big amount of air flow, which are widely used in all kinds of air rinsing systems and drying systems, ultrasonic cleaning, glass cleaning, shearing off water and other liquid from circuit board, electroplate, film, coating, nonferrous metal board / wire / sheet and other related materials, removing diJM, sawdust, solvents, blowing off diJM from paper and drying paper, food & medical processing , defrosting and disinfect- ing.

■Specially extruded air knives outlet, giving continuous and controllable air stream towards targets.

■Improved drip-shaped pneumatic clamping design, providing high speed and continuous air steam.

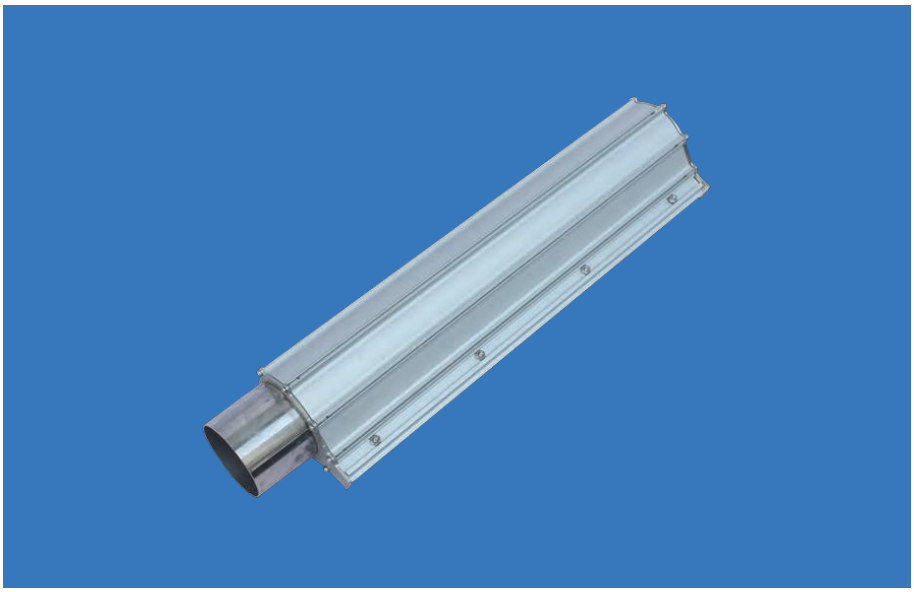
■Anti- corrosion and anti-leakage end cover design.

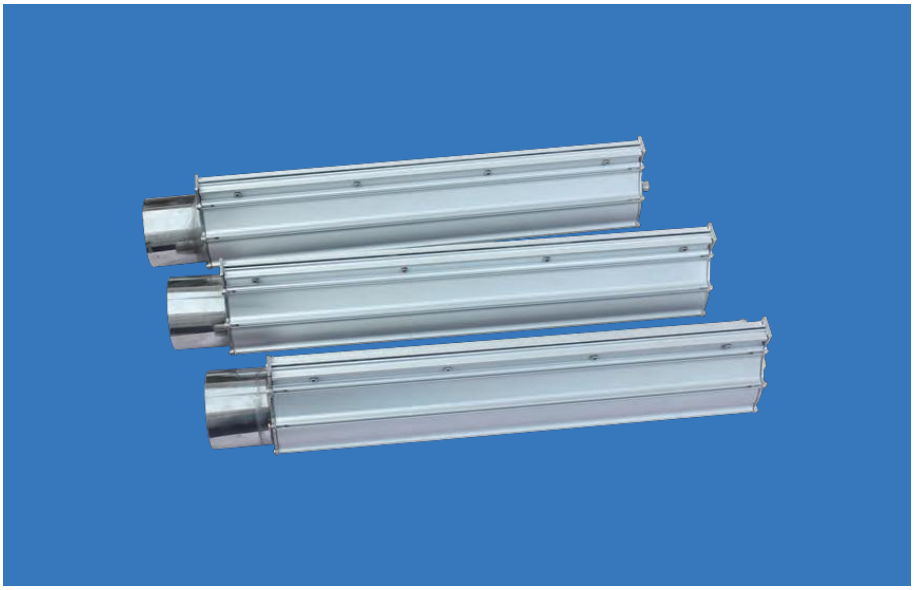
Customized air knives length up to 6 meters.

■Optional inlet specification and positions to fit different kinds of bolt or tube connections, which makes the installation much easier.

■Max. sustainable air flow is 400m/s, max. sustainable temperature is 250℃, and max. sustainable pressure is 5kgf/cm2.

■Can be used with JIEMING high speed centrifugal blowers, JIEMING high pressure blowers.









TECHNICAL SPECIFICATION

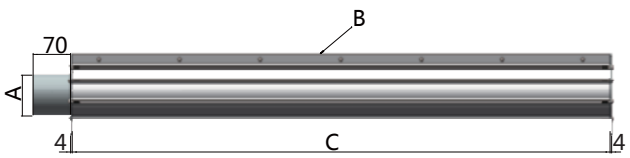
The greatest advantages of JIEMING Coanda Effect air knives lie in their specially designed knife edge, which has more 3.3 mm extended length than ever. Thus the air flow can blow off as a straight line, which is more stable and controllable. This specially extruded air knives edge improve the pneumatic clamping throughout the wall of air knives. Based on Coanda effect(According to Wikipedia, the Coandă effect is the tendency of a fluid jet to stay attached to a convex surface.) and pneumatic clamping theory, JIEMING Coanda Effect air knives are featured by a stable, continuous and large air flow, which contributed to excellent, reliable and continuous blowing off and drying technology.

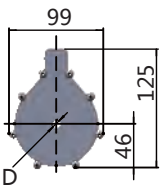
MODEL CODING

JMKED - C - A - B - S1 - E1/E2

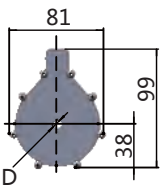
- JMKED means JIEMING Coanda Effect air knives
- C means air knives' valid length(exclude the end cover thickness)
- A means Inlet size
- B means edge width of air knives outlet
- S means the position of inlet (S1: inlet at lateral, S2: inlet at both sides)
- E1/E2 means types of air knives

INSTALLATION SIZE





E1



E2

Model	A	B	C	D	Type
JMKED-C-51-B	51	0.5-3	100-3000	M8	E1/E2
JMKED-C-63-B	63	0.5-3	100-3000	M8	E1/E2
JMKED-C-76-B	76	0.5-3	100-3000	M8	E1

INSTRUCTION

1, Model coding of JIEMING Coanda Effect air knives, for example, JMKED-C-A-B-S1/S2-E1/E2, presume air knives size is 500mm, edge width is 1.5mm, lateral inlet size is 76mm(Please kindly note that JIEMING Coanda Effect air knives can only blow air flow through both sides). It works out to model number: JMKED-500-76-1.5-S1-E1.

2, Inlet has 2 options as S1 and S2. S1 represents only one inlet on the lateral, S2 means two inlets on both sides.

3, C means valid air knives length, excluding the thickness of end covers at both sides. Referring above case, the 500mm air knives length is excluding end covers at one end. Actually the installation length is 508mm.

4, With their specially designed “one side high and one side low”edges, JIEMING Coanda Effect air knives have speed up the drying rate excellently. When installation please distinguish the higher end and the lower end. For the lower end, it should be installed the place where confront the air flow.

5, If size is beyond those sizes in the chaJM, please call 86 13790229580. Notices:

※ Please be careful that keep away from the air knives. Do not use hard or rough thing to rub the knives, or they are broke or blocking the air flow.

※ Air knives are custom-engineered by customers’ needs and requirement. If you want to change the width of the knives, please inquire JIEMING engineers, otherwise their performance will be weaken by unwanted operations.