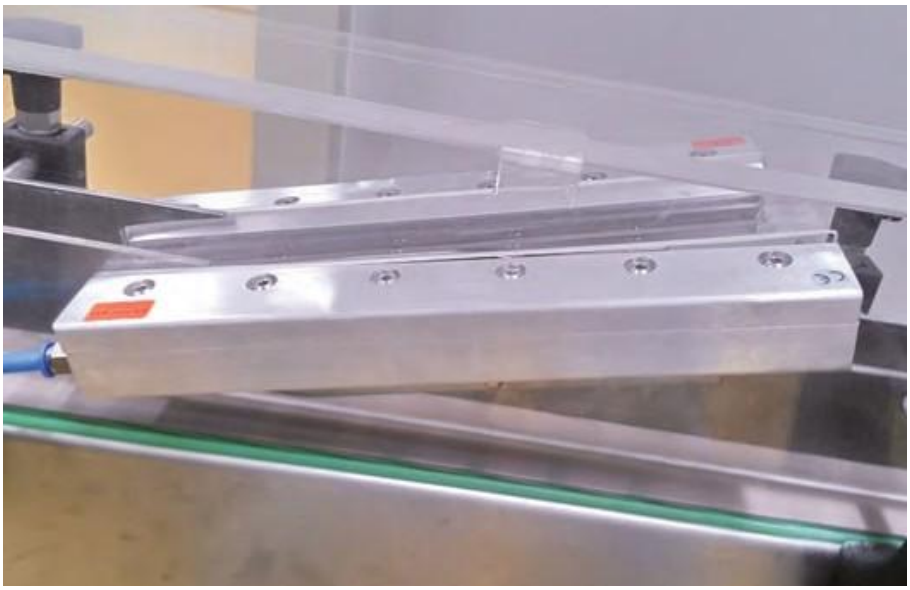


JIEMING SUPER AIR KNIVES

The greatest advantage of JIEMING Coanda Effect air knives lie in their low energy consumption with greater blowing off and drying perfor- mance.

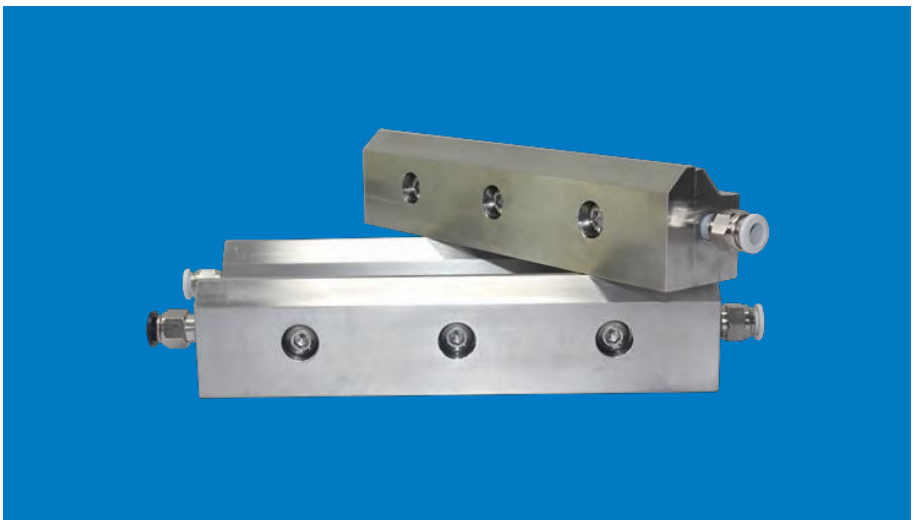
A high compression ratio is desirable because it allows an engine to extract more mechanical energy. According to this principle, JIEMING Super Air knives can supply greater pressure with low air flow speed loss. Manufactured by German workship and machines, JIEMING Coanda Effect air knives is widely used for depaJMment cleaning and drying, air rinsing after bottle filling, panel and board drying, conveyor cleaning, spare paJMs cooling, dehydration and drying prior to fruits and vegetables processing, textile cleaning and drying, air rinsing prior to electroplating and coating, blowing off and drying on the coating machine for textile and paper industry, drying for package machine, Smoke extraction processing for engine testing and other applications.

- ■Low noise, JIEMING Super Air knives' noise is 11 times lower than that of normal gas proof cuJMain.
- ■Saving compressed air, its air consumption saves 36% than that of normal gas proof cuJMain.
- ■Balanced air flow with air compression ratio up to 40:1
- ■No moving paJMs, made of aluminum or stainless steel.
- ■Small volume,easy to operate and maintenance-free
- ■Available in different width of gas proof cuJMain(from 100-1220mm), adjust- able pressure with pressure regulator
- ■Can be used with air compressors







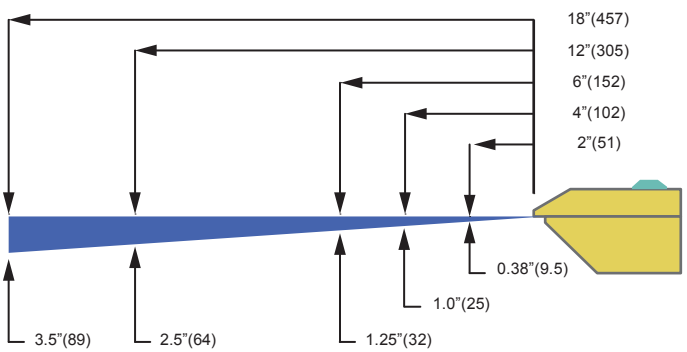


TECHNICAL SPECIFICATION

The air flow generated from air compressor and Spiral Lobe Compressor goes through high-pressure chamber via inlets of JIEMING Super Air knives. And then the air flow enters into a narrow and thin nozzle and changes into a balanced , interrupted and continuous air sheet. Thanks to high air compression ratio 40:1, JIEMING Super Air knives are featured by an air flow with less speed loss and higher pressure. It therefore produces a very

powerful air thrust with less shear force.

DIFFUSANCE OF AIR CUJMAIN BY JIEMING SUPER AIR KNIVES



MODEL CODING

JMSAL(US) - A - B - C - R/S

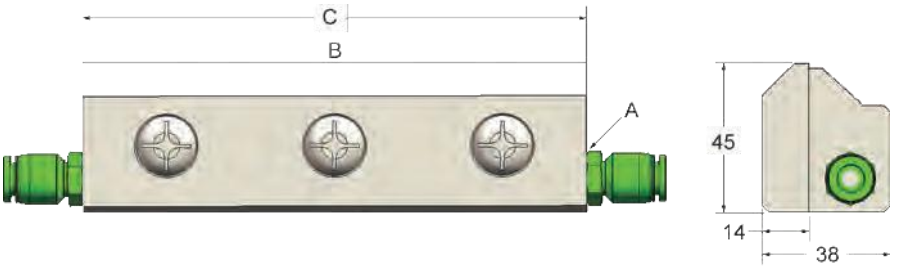
R/S represents inlet numbers and inlet types.

C means air knives' valid length(exclude the end cover thickness) B means width of air knives front-opening

A means air knives size

JMSAL means JIEMING SUPER air knives, AL means aluminum alloy, US means Stainless steel.

INSTALLATION SIZE



Model	Airflow Length in (mm)	Flow Amplification	SCFM(m3/min)		
			4.1bar	5.5bar	6.9bar
JMSAL-A-B-C	3”(76mm)	40	0.20	0.25	0.30
JMSAL-A-B-C	6”(152mm)	40	0.40	0.50	0.60
JMSAL-A-B-C	9”(229mm)	40	0.60	0.75	0.90
JMSAL-A-B-C	12”(305mm)	40	0.80	1.00	1.20
JMSAL-A-B-C	18”(457mm)	40	1.20	1.50	1.80
JMSAL-A-B-C	20”(508mm)	40	1.33	1.67	2.00
JMSAL-A-B-C	24”(610mm)	40	1.60	2.00	2.40
JMSAL-A-B-C	30”(762mm)	40	2.00	2.50	3.00
JMSAL-A-B-C	36”(914mm)	40	2.40	3.00	3.60

INSTRUCTION

1, Model coding of JIEMING super air knives, for example, JMSAL(US)-A-B-C-R/S, presume air knives size is 300mm, air knives lateral width is 12mm, front-opening size is 0.08mm, and one inlet. It works out to model number: JMSA-A300-B12-C0.08-S1.

2, Air knives can assembled to a longer air knives, whose length can be designed by customers but limited to 2000mm.

3, Super knives are made of AL6061 and SUS304, if customers require other material, please contact JIEMING engineers.

4, 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.