



High efficiency nozzle

KNH Series +

RoHS

Increases the blow flow to about double the supply air quantity.



MAIN FEATURES

Improve the air blow thrust by 10 %

Thanks to the Bernoulli effect.

Maximise air blow efficiency

More focused blowing impact.

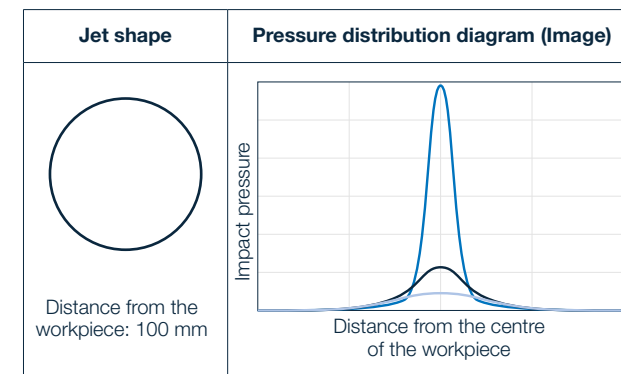
Reduce noise level

Small-diameter multi-hole structure option to reduce noise.

Compliant with OSHA standards

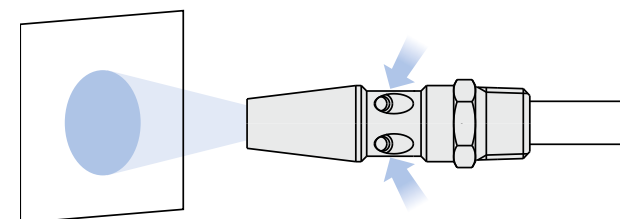
Prevents any pressure buildup when the outlet is blocked for safety.

ENERGY EFFICIENCY DIGITAL SHEET



Distance from the workpiece

— Far
— Close



KHN case study

A beer can drying process originally consumed 2,460 l/min of compressed air at 6 bar, resulting in 664,200 m³ annual consumption and €11,623.50 in yearly energy costs (based on 4,500 operating hours). After replacing the existing blowing components with SMC high-efficiency KNH nozzles and operating at 5.7 bar, air consumption dropped to 1,476 l/min, reducing annual usage to 398,520 m³. This achieved annual savings of 265,680 m³, equivalent to approximately 4,650 €, without compromising process performance.

Key customer benefits:

- Reducing air consumption with performance
- No demands for process change.

Investment	300 €
Annual saving	11,654 €
ROI	0.3 months
Annual CO ₂ reduction	65,092 kg

SELECTED PART NUMBERS

Part number	Nozzle Ø [mm]	Piping thread
KNH-R02-100	1	R1/4
KNH-R02-150	1.5	
KNH-R02-200	2	

APPLICATIONS

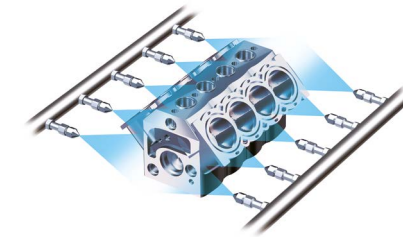
Bottle cleaning



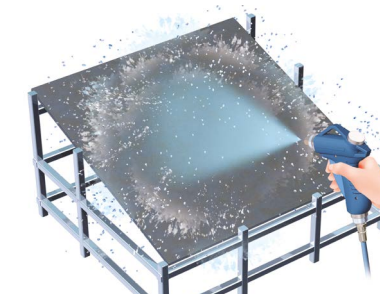
Removal of foreign matter



Machining chip removal



Blowing water droplets



Discover more

