

Pulse blow unit

PU Series +

Intermittent pulse blow improves removal efficiency by 35 % compared with continuous blow.



MAIN FEATURES

**CO₂ emissions (air consumption):
50 % reduction**

Possible to adjust operating frequency

External power supply is unnecessary

Low pressure loss is achieved

Possible to use it with its bracket mounted



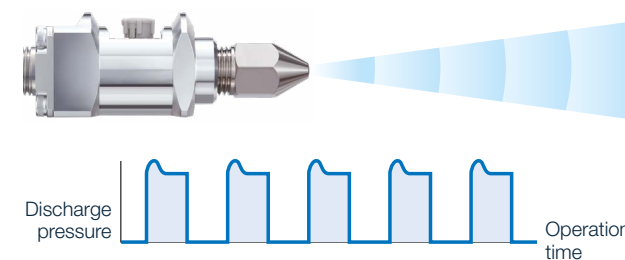
ENERGY EFFICIENCY DIGITAL SHEET



Combined use with a blow gun



Pulse blow



PU case study

A yoghurt production line used a continuously operating flat jet nozzle to stabilize trays of yogurt cups as they travelled around a curved conveyor section. Due to mismatched climb length and curve radius, trays risked tilting, requiring constant airflow and generating compressed air costs of approximately 6,000 € per year. By installing the PU20-R02 Impulse Blow Valve upstream, airflow was pulsed efficiently, reducing air consumption by 50 % while maintaining tray stability. Annual compressed air costs were cut to approximately 3,000 €.

Key customer benefits:

- Simplicity of the product
- No programming required
- Quick and uncomplicated installation.

Investment	150 €
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Annual saving	3,154 €
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ROI	0.6 months
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Annual CO ₂ reduction	9,813 kg
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SELECTED PART NUMBERS

Part number	Operating pressure range [MPa]	Frequency adjustment range [Hz]	Port size	Bracket
PU20-R02	0.3 to 0.7	5 to 10	IN side port: R1/4 (male thread) OUT side port: Rc1/4 (female thread)	—
PU20-R02-B				Yes

APPLICATIONS

- Blow-off after machining (CNC mills, lathes)
- Cleaning moulds in injection moulding
- Cleaning optical sensors and cameras
- Cleaning filters and screens
- Blow-off after parts washing
- Bottle and can drying in beverage lines
- PCB drying after cleaning
- Drying pharmaceutical blister packs
- Cooling moulded plastic parts
- Ejecting parts from moulds
- Part transfer between conveyor sections
- Rejecting defective items on production lines
- Pushing lightweight packaging
- Clearing chutes and hoppers
- Removing crumbs from baked goods
- Removing lint
- Web drying in paper production.



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