Impact blow valve

IBV Series +

RoHS CE UKCA

High initial impact force allows for dramatically reduced air blow operation time.

MAIN FEATURES

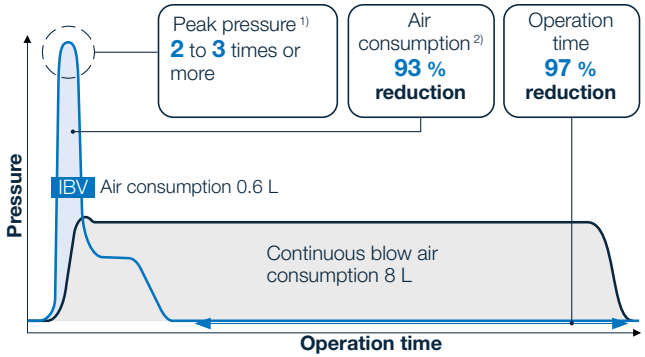
Increased impact force due to higher peak pressure

Reduces CO_2, air consumption, and operation time

Compact design with no tank as it uses piping instead

Action: electric type, air type
Adapt the blowing force to your application
Based on the bore size and length of the supply pipe.

ENERGY EFFICIENCY
DIGITAL SHEET



1) Compared with the existing model (According to blow conditions).
2) Pressure: 0.5 MPa (Based on SMC's specific testing conditions).

IBV air consumption
Continuous blow air consumption

IBV case study

Conventional valves with 6 mm tube outlets were used to remove defective parts from a conveyor, resulting in high air consumption and system inertia. Due to limited precision, incorrectly positioned parts often passed through quality control, generating losses. By replacing the existing solution with IBV valve combined with an SMC nozzle, the customer achieved precise, targeted blow-off of selected elements, significantly improving sorting accuracy and overall process reliability.

Key customer benefits:

- Improving the efficiency of dumping defectively arranged parts
- Reduced compressed air consumption
- Simple control.

Investment	**3,574** €
Annual saving	**5,193** €
ROI	**8.3** months
Annual CO_2 reduction	**9,236** kg

SELECTED PART NUMBERS

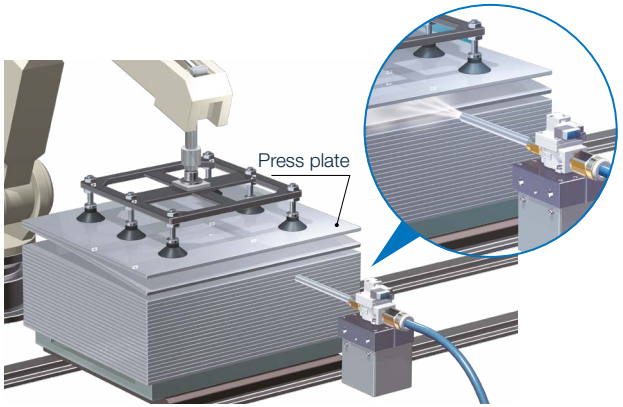
Part number	Type	Rated voltage	Electrical entry
IBV11F	Air operated	—	—
IBV10F-5L	Solenoid valve	24 VDC	L plug connector, with lead wire (Length 300 mm)
IBV10F-5LO			L plug connector, without connector
IBV10F-5WA			M8 connector, with connector cable (Length 300 mm)
IBV10F-5WAO			M8 connector, without connector

APPLICATIONS

For applications such as:

- Bottle cleaning
- Blowing water droplets
- Removal of foreign matter
- Dust removal
- Machining chip removal.

For the separation of workpieces stuck together with oil, etc.



Air operated type for use with coolant