



Blow gun

VMG Series +

SMC's VMG presents a minimal pressure loss compared to conventional models.



MAIN FEATURES

20 % reduction in power consumption

With the SMC blow gun + S coupler + coil tube combination.

Allows for a reduced supply pressure

Whilst maintaining performance.

Ergonomic design

Shock-resistant resin is used in the main body

Pressure loss 1 % or less

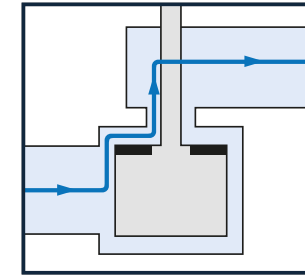
ENERGY EFFICIENCY DIGITAL SHEET



Conventional model

Conventional construction.

Effective area **6** mm².

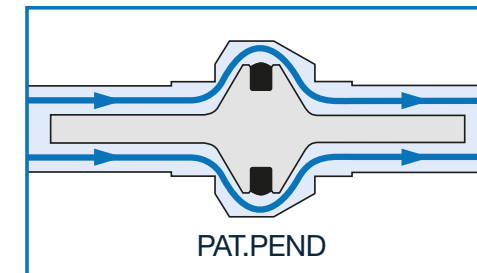


Series VMG

Energy saving valve construction.

Balance-poppet valve construction.

Effective area **30** mm².



Straighter flowing fluid “improves pressure loss!”.

VMG case study

Originally a non-optimised setup using 2 conventional blow guns, both with simple Ø 4 mm pipe outlets were used on a customer's machines. Air blow is used to remove particles during furniture production. Conventional guns were measured as consuming up to 944 l/min at 0.6 MPa. By upgrading to the VMG blow gun combined with the high-performance KNH nozzle, compressed air consumption was dramatically reduced to just 170 l/min. Utilising the Venturi effect, the KNH nozzle with the VMG gun delivers approximately 30 % energy savings while maintaining effective blow-off performance, significantly lowering operating costs and improving overall efficiency.

Key customer benefits:

- Reduction of compressed air consumption
- Reduction of energy costs
- Reduction of CO₂.

Investment

80,45 €

Annual saving

604 €

ROI

1.7 months

Annual CO₂ reduction

306 kg

SELECTED PART NUMBERS

Part number	Connection size	Body colour	Nozzle
VMG11BU-F02	G1/4	Dark blue	None
VMG11BU-F02-01			Ø 1 male thread
VMG11BU-F02-02			Ø 1.5 male thread
VMG11BU-F02-03			Ø 2 male thread
VMG11BU-F02-04			Ø 2.5 male thread
VMG11BU-F03	G3/8		None
VMG11BU-F03-02			Ø 1.5 male thread
VMG11BU-F03-03			Ø 2 male thread
VMG11BU-F03-04			Ø 2.5 male thread
VMG11W-F02	G1/4	White	None
VMG11W-F02-01			Ø 1 male thread
VMG11W-F02-02			Ø 1.5 male thread
VMG11W-F02-03			Ø 2 male thread
VMG11W-F03	G3/8		None

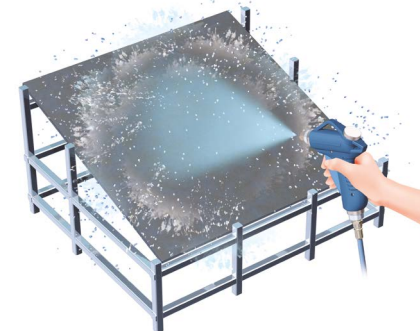
APPLICATIONS

- 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.

Removal of foreign matter



Blowing water droplets



Discover more

