

Blow Gun

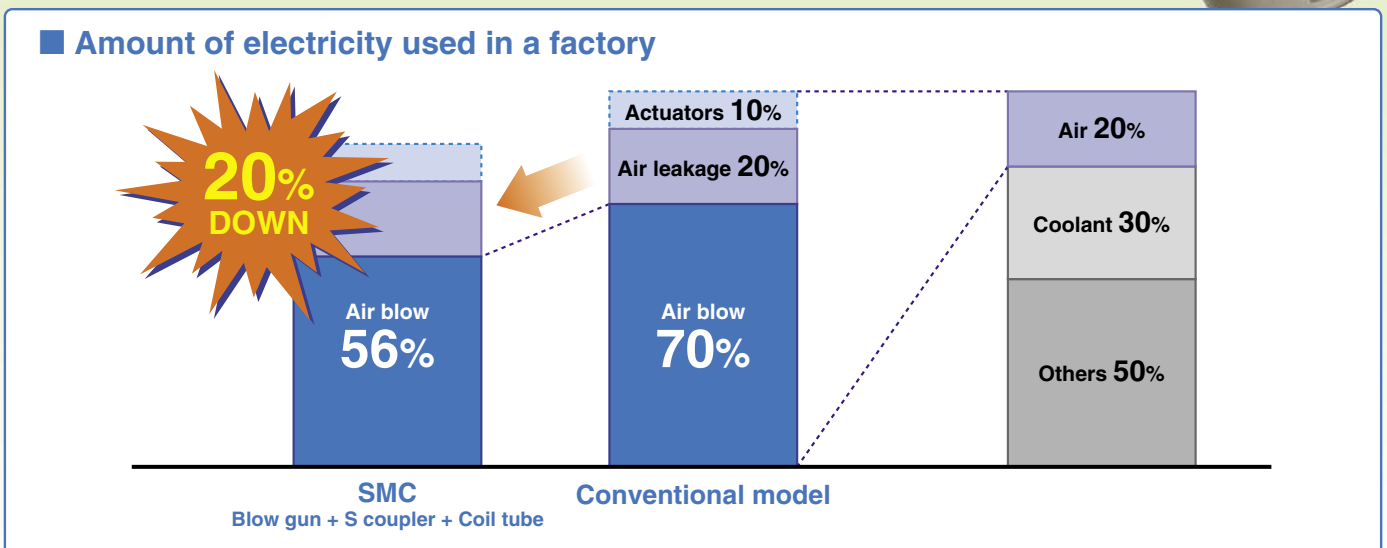
New

20% reduction in power consumption

with the SMC “Blow gun” + “S coupler”
+ “Coil tube”

* 10% reduction with the “Blow gun (VMG)” only

Pressure loss **1% or less**



The electricity used by compressors for air accounts for **approximately 20%** of that consumed by the entire factory. Also, **70%** of the air consumed in the process is used for air blowing. SMC blow guns have minimal pressure loss compared with conventional models, so they can achieve equivalent performance at lower pressures and with less volume of air consumption. As a result, it is possible to achieve a **20% reduction** in power consumption.

Series VMG



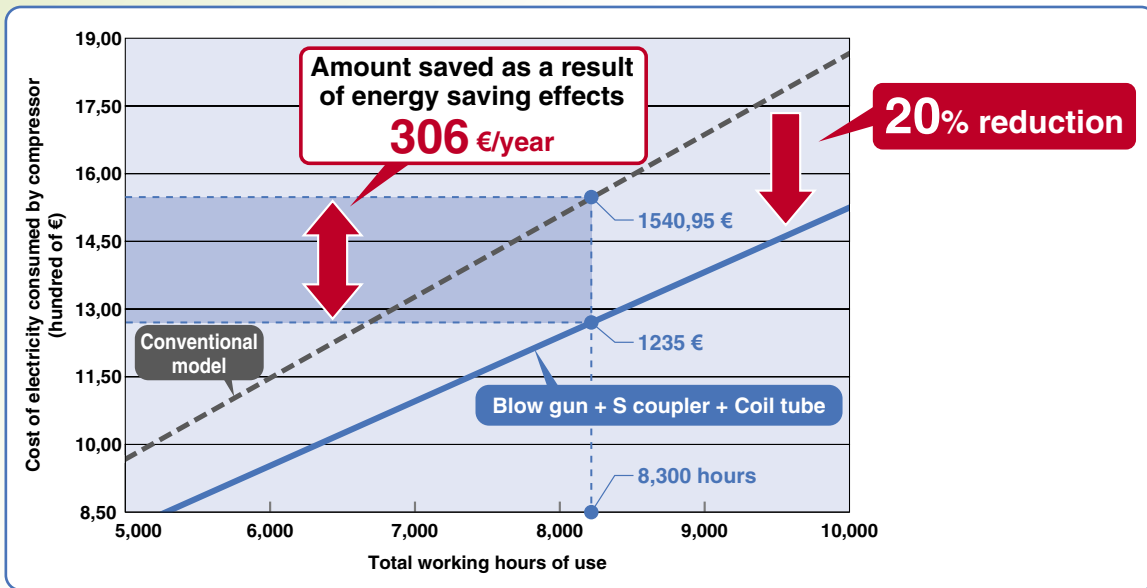
CAT.EUS50-20D-UK

Energy Saving Pneumatic System Proposal

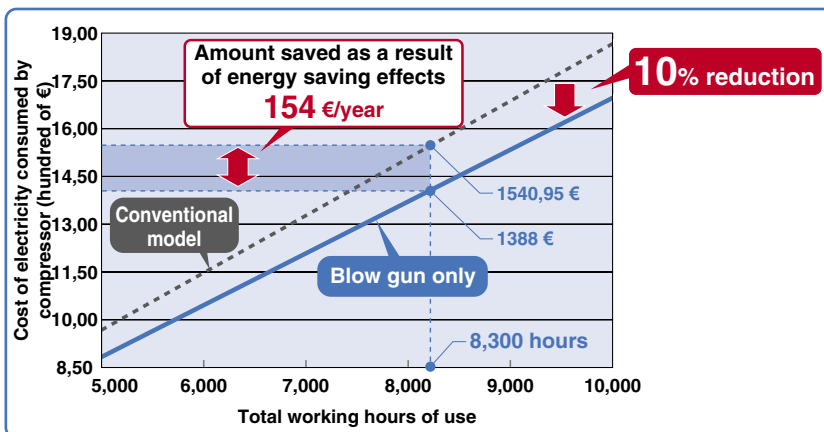
Energy Saving Effects

When the yearly total working hours spent on air blowing amounts to 8,300 hours, the use of conventional models results in power consumption costs totaling 1540,95 €. When using the SMC system (Blow gun + S coupler + Coil tube), however, the yearly cost is reduced to 1235 €, for a **total yearly saving of 306 €, or 20% of the total.**

Energy saving effects with **Blow gun (VMG) + S coupler + Coil tube**



Energy saving effects with **Blow gun (VMG) only**



Calculation conditions

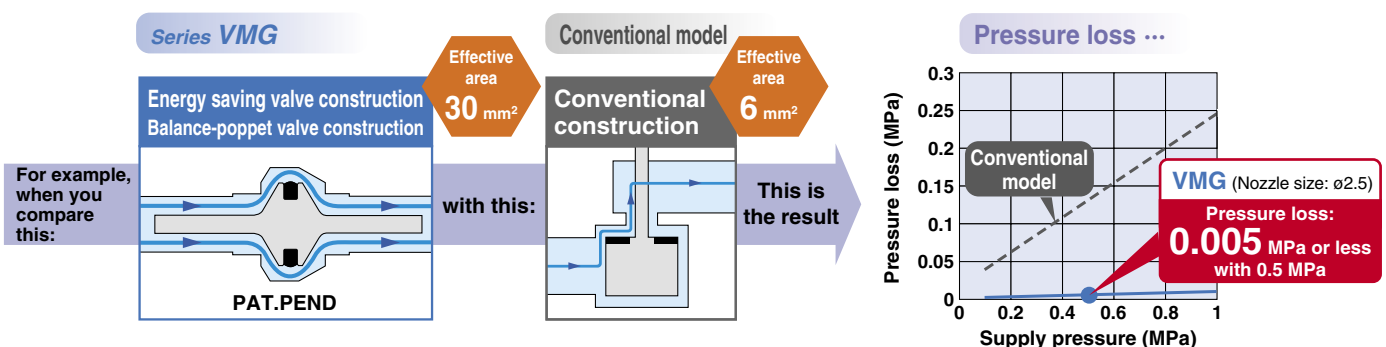
- Blowing distance: 100 mm
- Impact pressure: 0.011 MPa
- Cost of electricity: 0,12 €/kWh

Work model

- Blow time: 10 seconds
- Frequency: 12 times/hour
- Working hours: 10 hours/day
- Working days: 250 days/year
- Units used: 100
- Resulting total working hours: 8,300 hours

Valve Construction and Pressure Loss

Straighter flowing fluid
"improves pressure loss!"

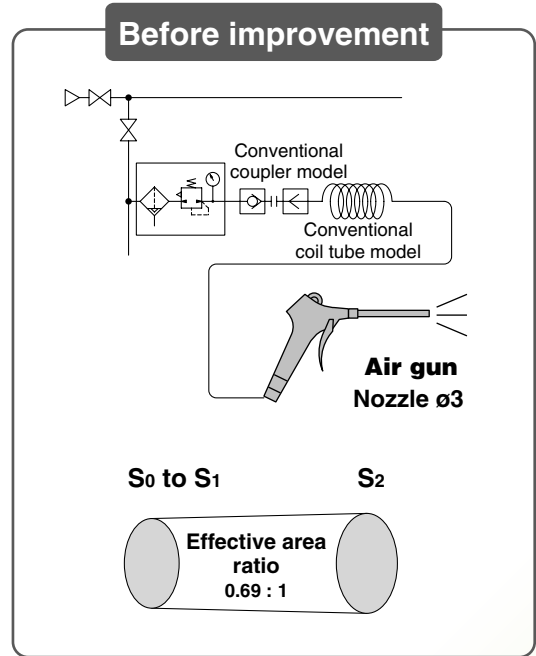
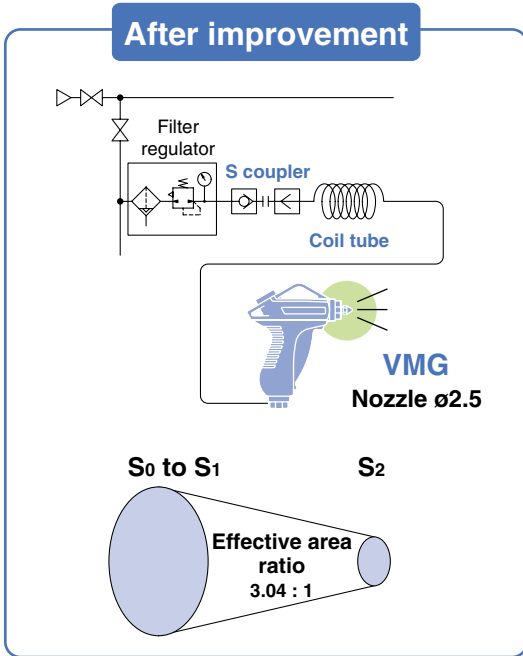


SMC helps you work toward a revolutionized production system with a focus on energy-saving.

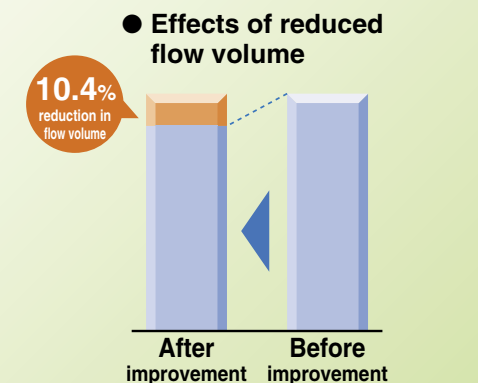
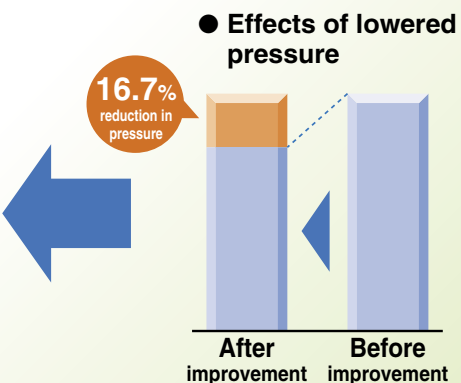
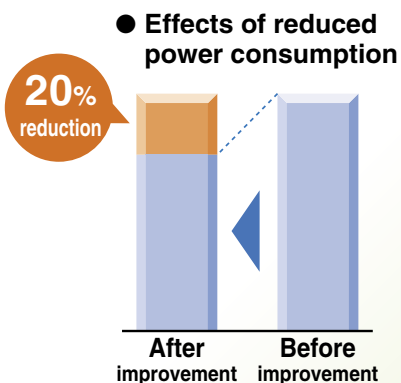


Example of Improvement

Review the air-blow job and change to the SMC blow gun, S coupler and coil tube to create a larger effective area.



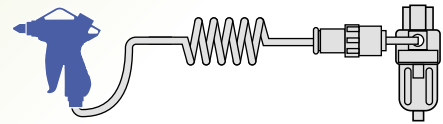
		After improvement	Before improvement
Equipment	Coupler	S coupler	Conventional model
	Piping	TCU1065-1-20-X6	Conventional coil tube model (I.D. ø5, equivalent length 5 m)
	Air gun	VMG (Nozzle size ø2.5)	Conventional model (Nozzle size ø3)
Effective area	Coupler, Piping (S ₀)	13.45 mm ²	6.8 mm ²
	Air gun (S ₁)	30 mm ²	6 mm ²
	Nozzle (S ₂)	4.4 mm ²	6.3 mm ²
Effective area ratio (S ₀ to S ₁ : S ₂)		3.04 : 1	0.69 : 1
Impact pressure		0.011 MPa (at a distance of 100 mm)	0.011 MPa (at a distance of 100 mm)
Regulator pressure		0.4 MPa	0.5 MPa
Pressure inside nozzle		0.385 MPa	0.276 MPa
Compressor pressure		0.5 MPa	0.6 MPa
Air consumption		257 dm³/min (ANR)	287 dm³/min (ANR)
Power consumption by compressor		1.25 kW	1.56 kW



Blow Gun, Coil Tube and S Coupler Selection

Recommended system in accordance with the distance

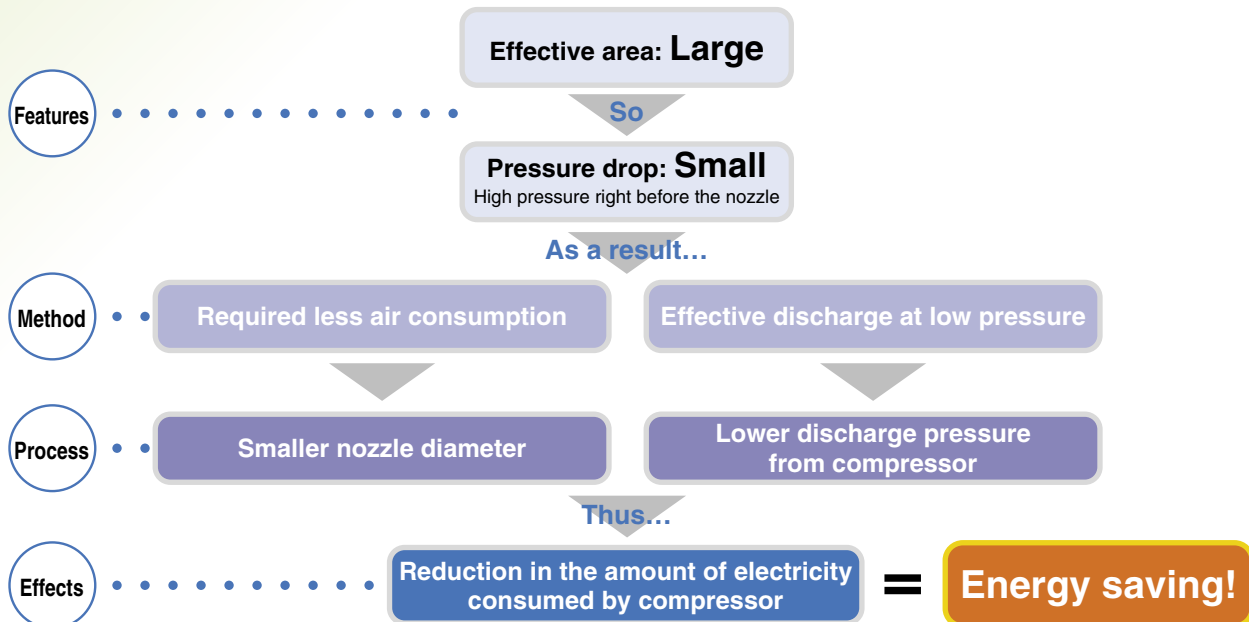
Energy saving effects are enhanced through the appropriate blow gun model selection in accordance with the distance from the target object.



Distance	Recommended system				
	Blow gun	Nozzle size	Fitting	Coil tube	S coupler
Up to 20 mm	VMG1□□-02-01	ø1	KQ2H06-02S	TCU0604-20-1-X6	KK4P-06H
Up to 40 mm	VMG1□□-02-02	ø1.5	KQ2H06-02S	TCU0604-20-1-X6	KK4P-06H
Up to 60 mm	VMG1□□-02-03	ø2	KQ2H08-02S	TCU0805-20-1-X6	KK4P-08H
Over 60 mm	VMG1□□-02-04	ø2.5	KQ2H10-02S	TCU1065-20-1-X6	KK4P-10H

Energy Saving Flow

Air guns with an effective area around 6 mm² are most commonly used. But the SMC blow gun achieves a 30 mm² effective area.



Related Product

For pressure loss improvement **S coupler: Series KK**

Improved fitting's restrictor and leakage

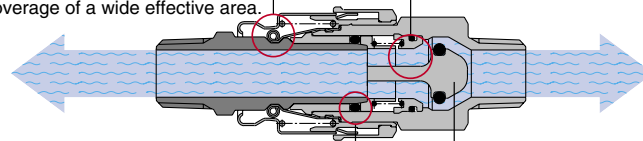


■ Special method of connection and fixation

With a structure that employs no steel balls, the coupler achieves a slim body without narrowing of the channel, allowing coverage of a wide effective area.

■ Smooth channel with minimal unevenness

By not blocking the channel with the valve spring, the loss of effective area can be minimized.



■ Seal structure with minimal leakage

The surface-to-surface design allows super-tight sealing.

■ Conical structure of the check valve tip

This structure achieves smooth flow through the channel.

Variations

Nozzle type

Low noise nozzle

Mono-porous nozzle (ø2) 90 to 100 dB
 ø1 x 4 low noise nozzles 80 dB or less
 Note) Supply pressure: 0.5 MPa
 Measured at a 45 degree angle according to JIS B 8379



* Achieving lower noise by dividing the air blow slit

Male thread nozzle



* Powerful and economical

High efficiency nozzle



* Making use of Bernoulli effect and achieving high efficiency

Copper extension nozzle

Nozzle length: 300 mm, 600 mm



* Secures more power even at a greater distance from a workpiece.



Bottom
<Dark blue>

One-touch fitting type



Top
<White>

S coupler plug type

Connection type

Screw-in type

Port size

Rc, NPT, G 1/4

Rc, NPT, G 3/8

S coupler plug type

Plug part no.

KK4P-02MS

KK130P-02MS

One-touch fitting type

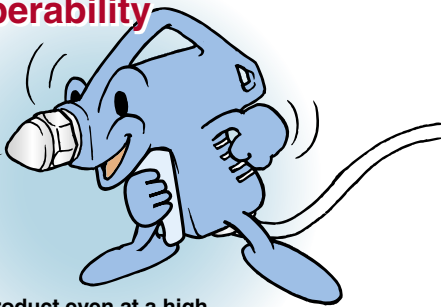
Applicable tube O.D.

Metric size: ø6, ø8, ø10

Inch size: ø1/4", ø5/16", ø3/8"

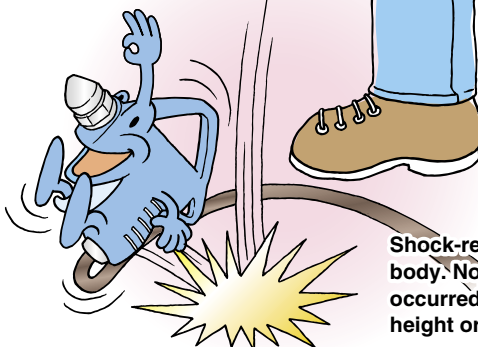
Operability, Safety, Environment

Not affected by supply pressure, assured operability



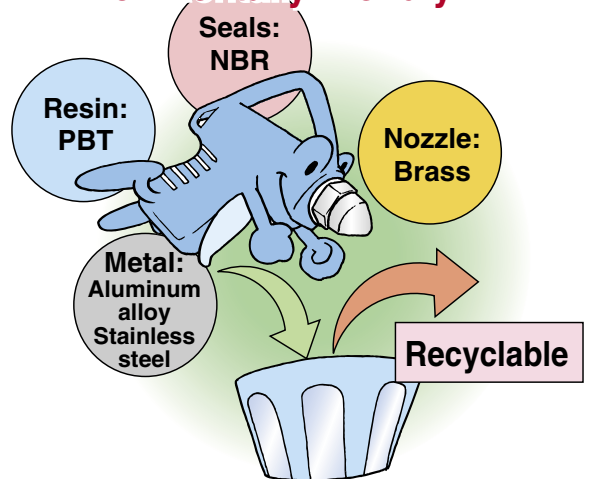
When using this product even at a high pressure, the same gripping force is required as for a lower pressure due to the unique balance-poppet construction.

Use of shock-resistant resin



Shock-resistant resin is used in the main body. No cracks, breaks or other damage occurred in a drop test from a 2-meter height or in a human stomp test.

Components are separable. Environmentally friendly



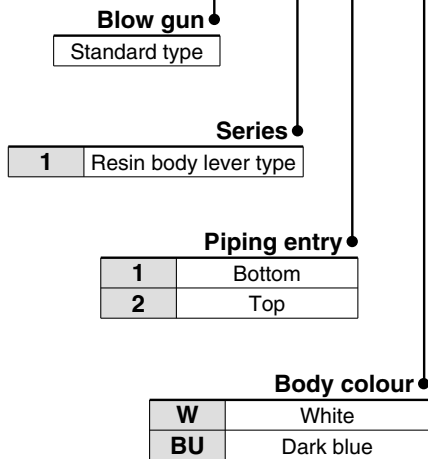
Material name is indicated on resin parts. In addition, all components are separable according to their material composition.

Blow Gun Series VMG



How to Order

VMG 1 1 W - 02 - 01



Nozzle

Symbol	Type	Nozzle model	Nozzle size	
—		Without nozzle		
01	Male thread nozzle	KN-R02-100	ø1	
02		KN-R02-150	ø1.5	
03		KN-R02-200	ø2	
04		KN-R02-250	ø2.5	
11	High efficiency nozzle	KNH-R02-100	ø1	
12		KNH-R02-150	ø1.5	
13		KNH-R02-200	ø2	
21	Low noise nozzle with male thread	KNS-R02-075-4	ø0.75 x 4	
22		KNS-R02-090-8	ø0.9 x 8	
23		KNS-R02-100-4	ø1 x 4	
24		KNS-R02-110-8	ø1.1 x 8	
31	Copper ^{Note)} extension nozzle	Length	KNL3-06-150	ø1.5
32		300 mm	KNL3-06-200	ø2
33		Length	KNL6-06-150	ø1.5
34		600 mm	KNL6-06-200	ø2

Note) When the copper extension nozzle is ordered in a blow gun set, one piece of H06-02 self-align fitting is attached.
When a copper extension nozzle is ordered separately, a self-align fitting will be required for connection. Refer to nozzle models on page 4.

Connection size

Symbol	Piping connection type	Size/Part no.	
02	Screw-in type	Port size	Rc 1/4
03			Rc 3/8
N02			NPT 1/4
N03			NPT 3/8
F02			G 1/4
F03			G 3/8
11	S coupler plug type	Plug part no.	KK4P-02MS
12			KK130P-02MS
H06	Metric size one-touch fitting type	Fitting part no.	KQ2H06-02S (ø6)
H08			KQ2H08-02S (ø8)
H10			KQ2H10-02S (ø10)
H07	Inch size one-touch fitting type	Fitting part no.	KQ2H07-35S (ø1/4")
H09			KQ2H09-35S (ø5/16")
H11			KQ2H11-35S (ø3/8")

Note 1) S couplers and fittings are included.

Note 2) In the case of S coupler plug type, the port size is Rc 1/4.

Note 3) In the case of metric size one-touch fitting type, the port size is Rc 1/4.

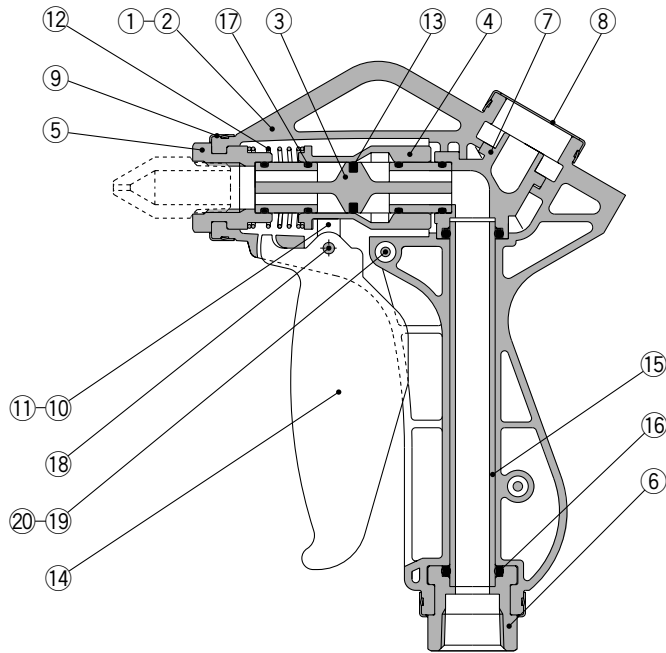
Note 4) In the case of inch size one-touch fitting type, the port size is NPT 1/4.

Note 5) () : Applicable tube O.D.

Specifications

Fluid	Air	
Operating pressure range	0 to 1.0 MPa	
Proof pressure	1.5 MPa	
Ambient and fluid temperature	-5 to 60°C (No freezing)	
Effective area	30 mm ² (without nozzle)	
Port size	Rc, NPT, G 1/4, 3/8	
Piping entry	Bottom	Top
Nozzle port size	Rc 1/4	
Weight	180 g	
Operational force (when the valve is fully open)	7 N	

Construction



Component Parts

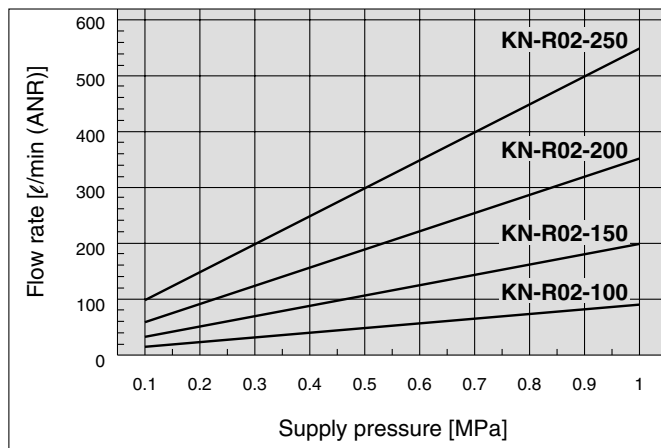
No.	Description	Material	Note
1	Body L	PBT	
2	Body R	PBT	
3	Main valve	PBT	
4	Valve guide	Aluminium alloy	Chromated
5	Nozzle holder	Aluminium alloy	Anodised
6	Port	Aluminium alloy	Anodised
7	Elbow	PBT	Only for VMG12□
8	Cover	Stainless steel	
9	Ring	Stainless steel	
10	Arm L	PBT	
11	Arm R	PBT	
12	Spring	Stainless steel	
13	Main valve seal	HNBR	
14	Lever	PBT	
15	Piping (bottom)	POM	Only for VMG11□ Combined with the elbow in ⑦.
16	O-ring	NBR	
17	O-ring	NBR	
18	Parallel pin	Stainless steel	
19	Cross recessed round head screw	Stainless steel	
20	Hexagon nut	Stainless steel	

Note) Grease is used on rubber and sliding sections.

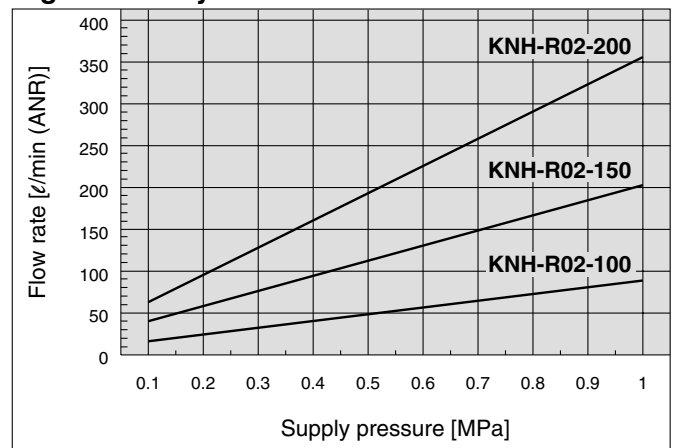
Flow-rate Characteristics

Note) Values when the main valve is fully open

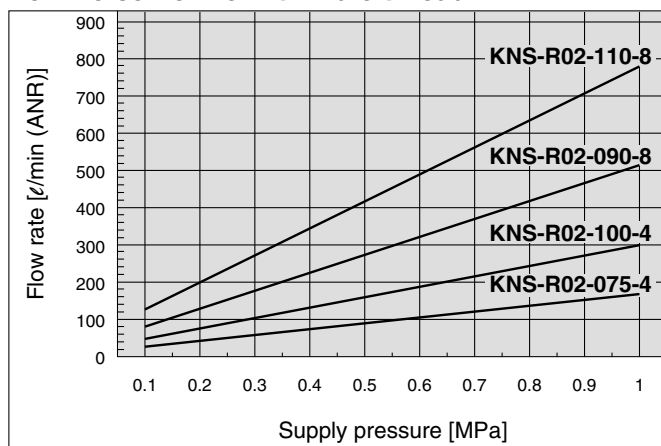
Male thread nozzle



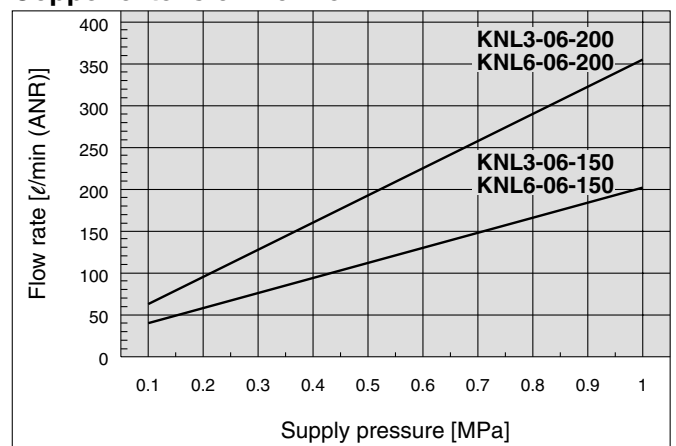
High efficiency nozzle



Low noise nozzle with male thread



Copper extension nozzle

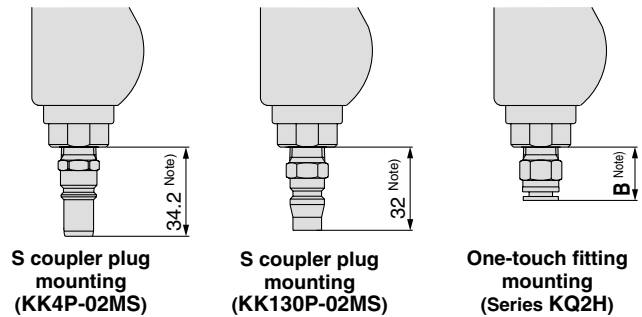
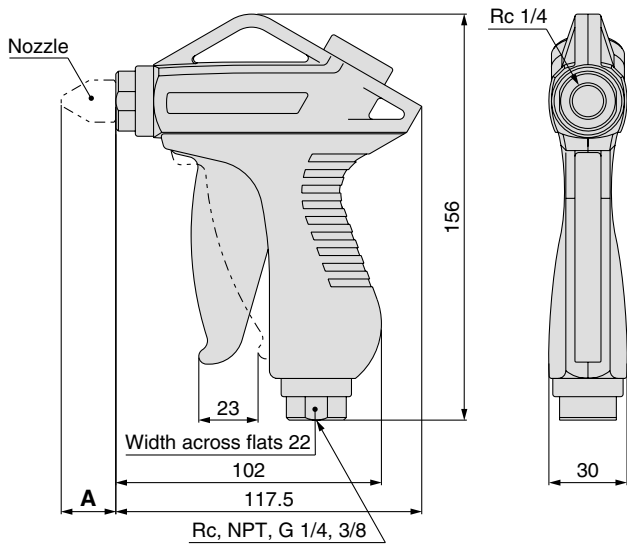


Series VMG

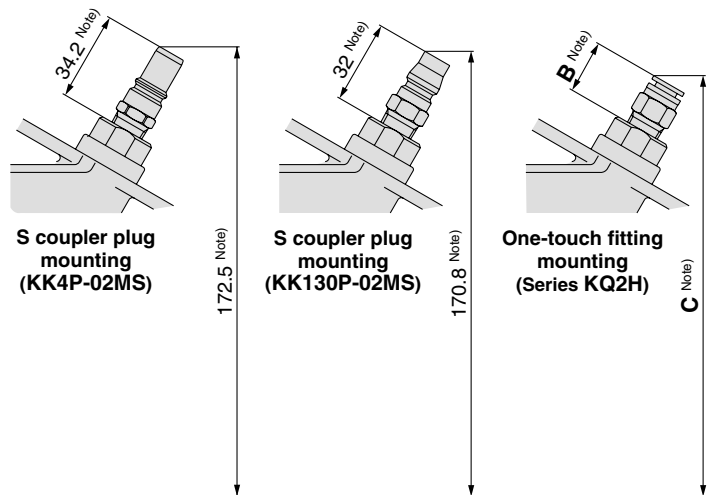
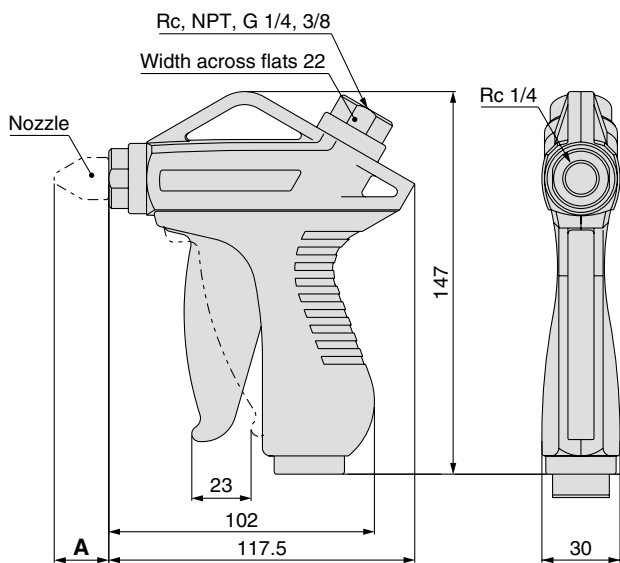
Dimensions

VMG11/Piping entry: Bottom

Note) Reference dimensions after installation



VMG12/Piping entry: Top



Type	Nozzle model	Nozzle size	A (Note)
Male thread nozzle	KN-R02-100	ø1	23.4
	KN-R02-150	ø1.5	23
	KN-R02-200	ø2	22.5
	KN-R02-250	ø2.5	22.1
High efficiency nozzle	KNH-R02-100	ø1	44
	KNH-R02-150	ø1.5	44
	KNH-R02-200	ø2	44
Low noise nozzle with male thread	KNS-R02-075-4	ø0.75 x 4	12
	KNS-R02-090-8	ø0.9 x 8	12
	KNS-R02-100-4	ø1 x 4	12
	KNS-R02-110-8	ø1.1 x 8	12
Copper extension nozzle	KNL3-06-150	ø1.5	305.3
	KNL3-06-200	ø2	305.3
	KNL6-06-150	ø1.5	605.3
	KNL6-06-200	ø2	605.3

Type	One-touch fitting model	B (Note)	C (Note)
Metric size one-touch fitting	KQ2H06-02S	17	158
	KQ2H08-02S	20.5	161.5
	KQ2H10-02S	27.5	168
Inch size one-touch fitting	KQ2H07-35S	17	158
	KQ2H09-35S	20.5	161.5
	KQ2H11-35S	27.5	168

Note) Reference dimensions after installation

Note) Reference dimensions after installation

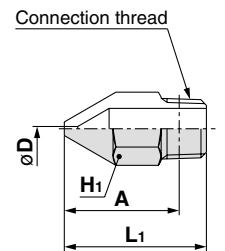
Dimensions: Nozzles/Series KN

Male thread nozzle: KN



Model	Nozzle size D	Connection thread	Width across flats	L₁	A*
			H₁		
KN-R02-100	ø1	R 1/4	14	31.4	25.4
KN-R02-150	ø1.5	R 1/4	14	31	25
KN-R02-200	ø2	R 1/4	14	30.5	24.5
KN-R02-250	ø2.5	R 1/4	14	30.1	24.1

* Reference dimensions after R thread installation

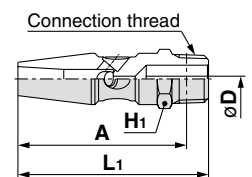


High efficiency nozzle: KNH



Model	Nozzle size D	Connection thread	Width across flats	L₁	A*
			H₁		
KNH-R02-100	ø1	R 1/4	14	52	46
KNH-R02-150	ø1.5	R 1/4	14	52	46
KNH-R02-200	ø2	R 1/4	14	52	46

* Reference dimensions after R thread installation

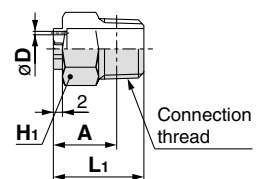


Low noise nozzle with male thread: KNS



Model	Nozzle size D	Connection thread	Width across flats	L₁	A*
			H₁		
KNS-R02-075-4	ø0.75 x 4	R 1/4	14	20	14
KNS-R02-090-8	ø0.9 x 8	R 1/4	14	20	14
KNS-R02-100-4	ø1 x 4	R 1/4	14	20	14
KNS-R02-110-8	ø1.1 x 8	R 1/4	14	20	14

* Reference dimensions after R thread installation



Copper extension nozzle: KNL

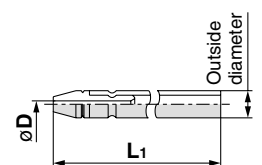
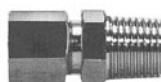


Model	Nozzle size D	Outside diameter	L₁
KNL3-06-150	ø1.5	ø6	300
KNL3-06-200	ø2	ø6	300
KNL6-06-150	ø1.5	ø6	600
KNL6-06-200	ø2	ø6	600

Note) When a copper extension nozzle is ordered separately, a self-align fitting will be required for connection with the blow gun. Order with the below set number.

Self-align fitting (for copper extension nozzle connection)

Male connector
H06-02-X2



Copper Extension Nozzle + Self-align Fitting/Set No.

Set no.	Contents	
	Nozzle	Self-align fitting ^{Note)}
KNL3-06-150A02	KNL3-06-150 (1 pc.)	H06-02-X2 (1 pc.)
KNL3-06-200A02	KNL3-06-200 (1 pc.)	H06-02-X2 (1 pc.)
KNL6-06-150A02	KNL6-06-150 (1 pc.)	H06-02-X2 (1 pc.)
KNL6-06-200A02	KNL6-06-200 (1 pc.)	H06-02-X2 (1 pc.)

Note) The self-align fittings ordered in sets are nickel plated.



Series VMG

Specific Product Precautions 1

Be sure to read this before handling.

Selection

Warning

1. Check the specifications.

The products in this catalogue are designed to be used in compressed air systems only. If the products are used in an environment where pressure or temperature is out of the specified range, damage and/or malfunction may result. Do not use under such conditions.

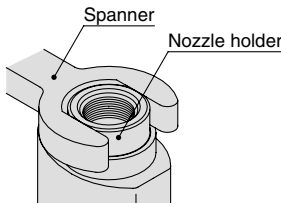
Caution

1. Do not apply the blow gun to flammable, explosive or toxic substances such as gas, fuel gas or refrigerant. Such substances may exude from inside the blow gun.

Mounting

Warning

1. Install a stop valve on the supply pressure side of the blow gun to enable emergency shut off in case of unexpected leakage or damage.
2. When installing a nozzle on the blow gun, wrap pipe tape around the threads of the nozzle.
3. When installing the nozzle, secure the nozzle holder of the blow gun by applying a spanner of 22 mm width across flats to the two chamfered surfaces of the holder without applying force to the body. Then, tighten the nozzle with force within the below torque range. As a guideline, it is equivalent to 2 to 3 additional turns with a tool after manual tightening.



Nozzle tightening torque range	12 to 14 N·m
--------------------------------	--------------

Insufficient tightening may cause loosening of the nozzle.

Piping

Caution

1. Check the model, type and size before installation.

Also, confirm that there is no scratches, gouges or cracks on the product.

2. Before piping

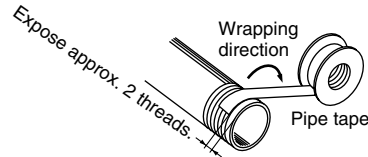
Before piping, it should be thoroughly blown out with air (flushing) or washed to remove chips, cutting oil and other debris from inside the pipe.

Piping

Caution

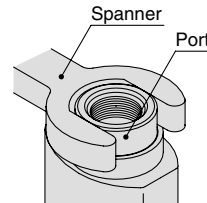
3. Wrapping of pipe tape

When screwing together pipes and fittings, etc., be certain that chips from the pipe threads and sealing material do not get inside the blow gun. Also, when the pipe tape is used, leave 1.5 to 2 thread ridges exposed at the end of the threads.



4. When tightening the threads, secure the nozzle holder of the blow gun by applying a spanner of 22 mm width across flats to the two chamfered surfaces of the holder without applying force to the body. Then, tighten the nozzle with torque specified in the below table. As a guideline, it is equivalent to 2 to 3 additional turns with a tool after manual tightening.

Be careful that tightening with torque beyond the ranges in the below table may cause damage to the body.



Male thread	Tightening torque N·m
R 1/4	12 to 14
R 3/8	22 to 24

5. Allow extra length when connecting a tube to accommodate changes in tube length due to pressure.
6. Confirm that no twisting, turning or tensile force or moment load is applied to the port or tube. This may cause fittings to fracture or tubes to be crushed, burst or come loose.
7. Do not abrade, entangle or scratch the tube. This may cause the tube to be crushed, burst or come loose.

Lubrication

Warning

1. Do not lubricate the product.

It may contaminate or damage the target object.

Air Supply

Warning

1. Use clean air.

Do not use compressed air which includes chemicals, synthetic oils containing organic solvents, salt or corrosive gases, etc., as it can cause damage or malfunction.



Series VMG

Specific Product Precautions 2

Be sure to read this before handling.

Air Supply

⚠ Caution

1. Install air filters.

Install air filters at the upstream side of blow gun. Choose the filtration degree of 5 μm or finer.

2. Install an after-cooler, air dryer or water separator, etc.

Air excessive drainage may cause malfunction of blow gun and contaminate or damage the target object. To prevent this, install an after-cooler, air dryer or water separator, etc.

Operating Environment

⚠ Warning

1. Do not use in an atmosphere of corrosive gases, chemicals, sea water, water or water vapor or in an environment where such substances may adhere.
2. Provide shading in an environment where the product is exposed to the sunlight.
3. Do not use in an environment where a heat source is at a close distance.
4. Do not use in an environment where static electricity is a problem. It may cause malfunction or failure of the system. Contact SMC for use in such an environment.
5. Do not use in an environment where spatters are generated. There is danger of fires caused by spattering. Contact SMC for use in such an environment.
6. Do not use in an environment where the product is exposed to cutting oil, lubricating oil or coolant oil. Contact SMC for use in an environment where the product is exposed to such liquid as cutting oil, lubricating oil or coolant oil.

Maintenance

⚠ Caution

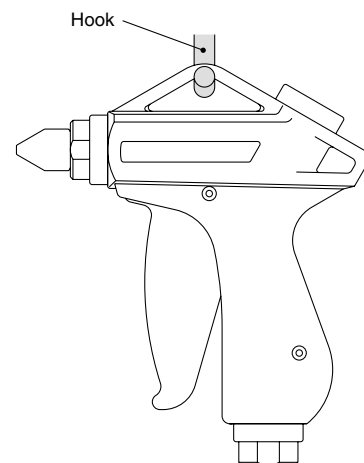
1. In periodical inspections, check the following items and replace the parts if necessary.
 - a) Scratches, gouges, abrasion, corrosion
 - b) Air leakage
 - c) Twisting, crushing and turning of connected tubes
 - d) Hardening, deterioration and softening of connected tubes
 - e) Loosening of nozzles
2. When removing the product, first stop the pressure supply, exhaust compressed air in the piping and confirm the condition of atmospheric release.
3. Do not disassemble or remodel the body of the product.

Handling

⚠ Warning

1. To prevent lurching of the nozzle due to air pressure, confirm that the nozzle is not loosened or rattling by pulling it by hand before operation.
2. Make sure to wear safety goggles to protect yourself from splashed substances.
3. Do not direct the tip of the nozzle at the face or other parts of a human body. It may cause danger to personnel.
4. Do not use the product to clean or remove toxic substances or chemicals.
5. Do not drop, step on or hit the product. It may cause damage to the product.
6. Do not use the product to disturb public order or public hygiene.
7. This product is not a toy.
8. After blowing, make sure to hang the product on a hook, etc.

If leaving the product in a dusty place, particles will enter the product and may result in malfunction.



9. When the blow gun is used or stored, confirm that no twisting, turning or tensile force or moment load is applied to the port or tube. This may cause fittings to fracture or tubes to be crushed, burst or come loose.

Safety Instructions

These safety instructions are intended to prevent hazardous situations and/or equipment damage. These instructions indicate the level of potential hazard with the labels of “**Caution**,” “**Warning**” or “**Danger**.” They are all important notes for safety and must be followed in addition to International Standards (ISO/IEC)*1), and other safety regulations.

Caution:

Caution indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.

Warning:

Warning indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.

Danger :

Danger indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury.

- *1) ISO 4414: Pneumatic fluid power – General rules relating to systems.
ISO 4413: Hydraulic fluid power – General rules relating to systems.
IEC 60204-1: Safety of machinery – Electrical equipment of machines.
(Part 1: General requirements)
ISO 10218-1: Manipulating industrial robots - Safety.
etc.

Warning

1. The compatibility of the product is the responsibility of the person who designs the equipment or decides its specifications.

Since the product specified here is used under various operating conditions, its compatibility with specific equipment must be decided by the person who designs the equipment or decides its specifications based on necessary analysis and test results. The expected performance and safety assurance of the equipment will be the responsibility of the person who has determined its compatibility with the product. This person should also continuously review all specifications of the product referring to its latest catalogue information, with a view to giving due consideration to any possibility of equipment failure when configuring the equipment.

2. Only personnel with appropriate training should operate machinery and equipment.

The product specified here may become unsafe if handled incorrectly. The assembly, operation and maintenance of machines or equipment including our products must be performed by an operator who is appropriately trained and experienced.

3. Do not service or attempt to remove product and machinery/equipment until safety is confirmed.

- The inspection and maintenance of machinery/equipment should only be performed after measures to prevent falling or runaway of the driven objects have been confirmed.
- When the product is to be removed, confirm that the safety measures as mentioned above are implemented and the power from any appropriate source is cut, and read and understand the specific product precautions of all relevant products carefully.
- Before machinery/equipment is restarted, take measures to prevent unexpected operation and malfunction.

4. Contact SMC beforehand and take special consideration of safety measures if the product is to be used in any of the following conditions.

- Conditions and environments outside of the given specifications, or use outdoors or in a place exposed to direct sunlight.
- Installation on equipment in conjunction with atomic energy, railways, air navigation, space, shipping, vehicles, military, medical treatment, combustion and recreation, or equipment in contact with food and beverages, emergency stop circuits, clutch and brake circuits in press applications, safety equipment or other applications unsuitable for the standard specifications described in the product catalogue.
- An application which could have negative effects on people, property, or animals requiring special safety analysis.
- Use in an interlock circuit, which requires the provision of double interlock for possible failure by using a mechanical protective function, and periodical checks to confirm proper operation.

Caution

1. The product is provided for use in manufacturing industries.

The product herein described is basically provided for peaceful use in manufacturing industries.

If considering using the product in other industries, consult SMC beforehand and exchange specifications or a contract if necessary.

If anything is unclear, contact your nearest sales branch.

Limited warranty and Disclaimer/ Compliance Requirements

The product used is subject to the following “Limited warranty and Disclaimer” and “Compliance Requirements”.

Read and accept them before using the product.

Limited warranty and Disclaimer

- The warranty period of the product is 1 year in service or 1.5 years after the product is delivered.*2)
Also, the product may have specified durability, running distance or replacement parts. Please consult your nearest sales branch.
- For any failure or damage reported within the warranty period which is clearly our responsibility, a replacement product or necessary parts will be provided.
This limited warranty applies only to our product independently, and not to any other damage incurred due to the failure of the product.
- Prior to using SMC products, please read and understand the warranty terms and disclaimers noted in the specified catalogue for the particular products.

*2) Vacuum pads are excluded from this 1 year warranty.

A vacuum pad is a consumable part, so it is warranted for a year after it is delivered. Also, even within the warranty period, the wear of a product due to the use of the vacuum pad or failure due to the deterioration of rubber material are not covered by the limited warranty.

Compliance Requirements

- The use of SMC products with production equipment for the manufacture of weapons of mass destruction (WMD) or any other weapon is strictly prohibited.
- The exports of SMC products or technology from one country to another are governed by the relevant security laws and regulations of the countries involved in the transaction. Prior to the shipment of a SMC product to another country, assure that all local rules governing that export are known and followed.

Safety Instructions

Be sure to read “Handling Precautions for SMC Products” (M-E03-3) before using.

SMC Corporation (Europe)

Austria	☎ +43 2262622800	www.smc.at	office@smc.at
Belgium	☎ +32 (0)33551464	www.smc-pneumatics.be	info@smc-pneumatics.be
Bulgaria	☎ +359 29744492	www.smc.bg	office@smc.bg
Croatia	☎ +385 13776674	www.smc.hr	office@smc.hr
Czech Republic	☎ +420 541424611	www.smc.cz	office@smc.cz
Denmark	☎ +45 70252900	www.smc.dk.com	smc@smcdk.com
Estonia	☎ +372 6510370	www.smc-pneumatics.ee	smc@smc-pneumatics.ee
Finland	☎ +358 207513513	www.smc.fi	smc.fi@smc.fi
France	☎ +33 (0)164761000	www.smc-france.fr	contact@smc-france.fr
Germany	☎ +49 (0)61034020	www.smc-pneumatik.de	info@smc-pneumatik.de
Greece	☎ +30 210 2717265	www.smchellas.gr	sales@smchellas.gr
Hungary	☎ +36 23511390	www.smc.hu	office@smc.hu
Ireland	☎ +353 (0)14039000	www.smc-pneumatics.ie	sales@smc-pneumatics.ie
Italy	☎ +39 (0)292711	www.smcitalia.it	mailbox@smcitalia.it
Latvia	☎ +371 67817700	www.smc.lv	info@smclv.lv

Lithuania	☎ +370 5 2308118	www.smclt.lt	info@smclt.lt
Netherlands	☎ +31 (0)205318888	www.smc-pneumatics.nl	info@smc-pneumatics.nl
Norway	☎ +47 67129020	www.smc-norge.no	post@smc-norge.no
Poland	☎ +48 222119600	www.smc.pl	office@smc.pl
Portugal	☎ +351 226166570	www.smc.eu	postpt@smc.smces.es
Romania	☎ +40 213205111	www.smcromania.ro	smcromania@smcromania.ro
Russia	☎ +7 8127185445	www.smc-pneumatik.ru	info@smc-pneumatik.ru
Slovakia	☎ +421 413213212	www.smc.sk	office@smc.sk
Slovenia	☎ +386 73885412	www.smc.si	office@smc.si
Spain	☎ +34 945184100	www.smc.eu	post@smc.smces.es
Sweden	☎ +46 (0)86031200	www.smc.nu	post@smc-pneumatics.se
Switzerland	☎ +41 (0)523963131	www.smc.ch	info@smc.ch
Turkey	☎ +90 (0)2124440762	www.entek.com.tr	smc@entek.com.tr
UK	☎ +44 (0)845 121 5122	www.smc-pneumatics.co.uk	sales@smc-pneumatics.co.uk