

# Blow Gun

## Series VMG



### How to Order

**VMG 1 1 W** — **03** — **01**

#### Blow gun

Standard type

#### Series

1 Resin body lever type

#### Piping entry

1	Bottom
2	Top

#### Body color

W	Urban white
BU	Dark blue

#### Piping connection type

Nil	Rc
N	NPT
F	G

#### Nozzle

	Type	Nozzle model	Nozzle size	
Nil		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 extension nozzle	Length 300mm	KNL3-06-150	ø1.5
32			KNL3-06-200	ø2
33		Length 600mm	KNL6-06-150	ø1.5
34			KNL6-06-200	ø2

Note 1) One piece of H06-02 self-align fitting is attached.

When a copper extension nozzle is ordered separately, a self-align fitting will also be required for connection. Order one with the above part number in addition to the nozzle.

#### Connection size

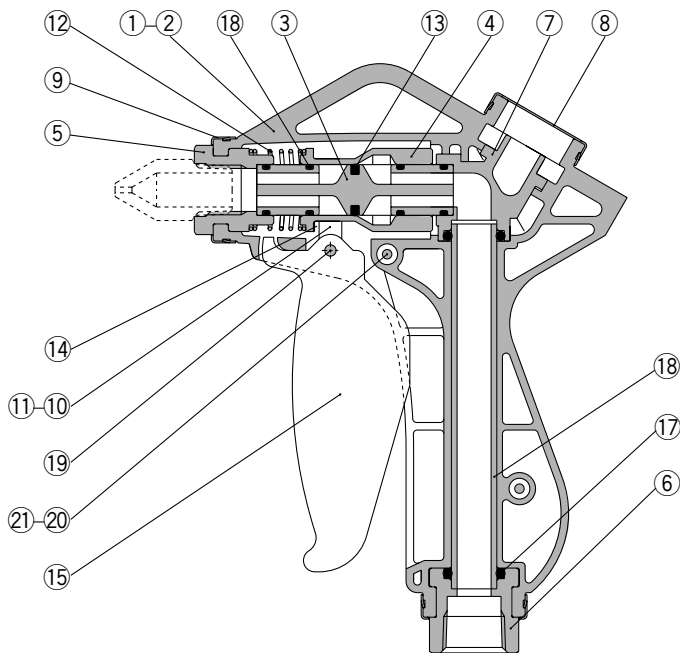
	Piping connection system	Size and part no.	
02	Screw-in type	Port size	1/4
03			3/8
11	With S coupler plug <sup>Note1)</sup>	Plug part no.	KK4P-02MS

Note 1) In case of a type with an S coupler plug, specify no symbol (Rc) for the piping connection type. The size is Rc 1/4.

### Specifications

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

## Construction



## Component Parts

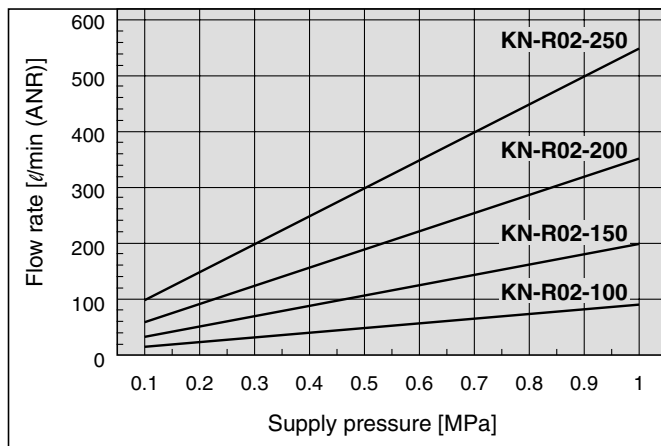
No.	Description	Material	Note
①	Body L	PBT	
②	Body R	PBT	
③	Main valve	PBT	
④	Valve guide	Aluminium alloy	Chromate
⑤	Nozzle holder	Aluminium alloy	Anodized
⑥	Port	Aluminium alloy	Anodized
⑦	Elbow	PBT	
⑧	Cover	Stainless steel	
⑨	Ring	Stainless steel	
⑩	Arm L	Stainless steel	
⑪	Arm R	Stainless steel	
⑫	Spring	Stainless steel	
⑬	Main valve seal	HNBR	
⑭	Guide cover	Stainless steel	
⑮	Lever	PBT	
⑯	Tube	PBT	*Only for VMG11
⑰	O-ring	NBR	
⑱	O-ring	NBR	
⑲	Parallel pin	Stainless steel	
⑳	Round head Phillips screw	Stainless steel	
㉑	Hexagon nut	Stainless steel	

- K
- M
- H
- D
- MS
- T
- VMG

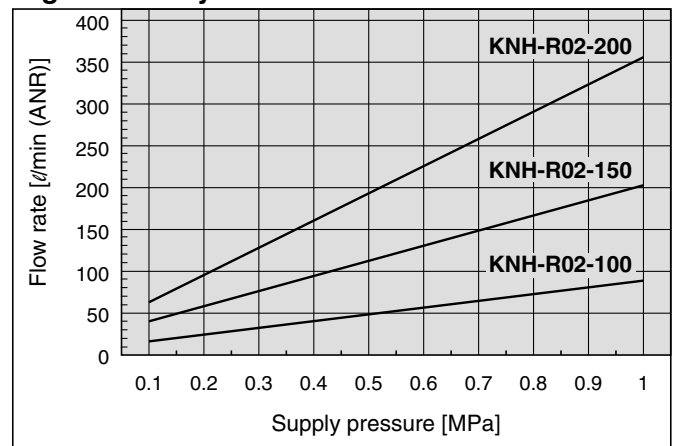
## Flow Characteristics

Note) Values when the main valve is fully open.

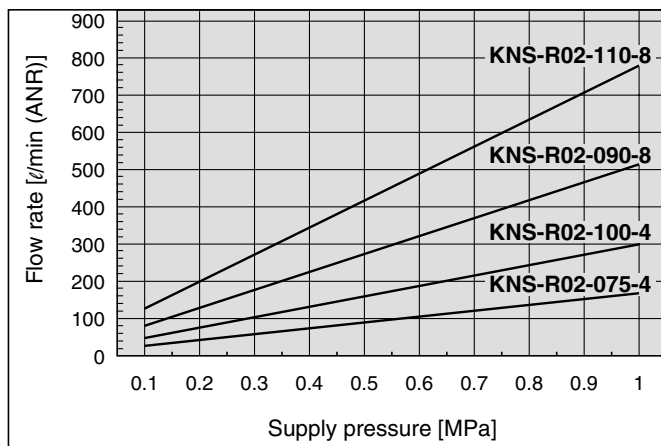
### Male thread nozzle



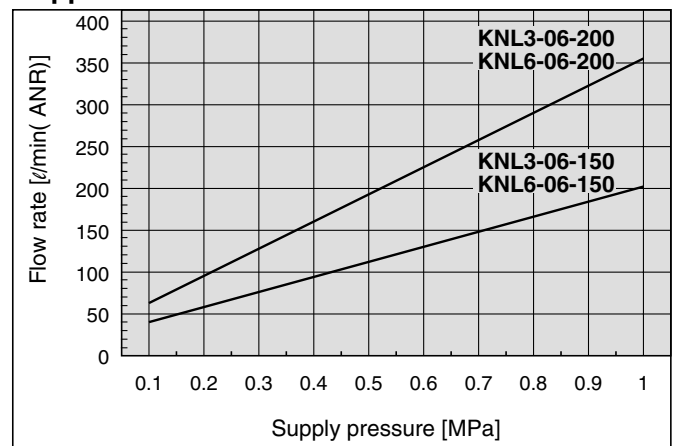
### High efficiency nozzle



### Low noise nozzle with male thread



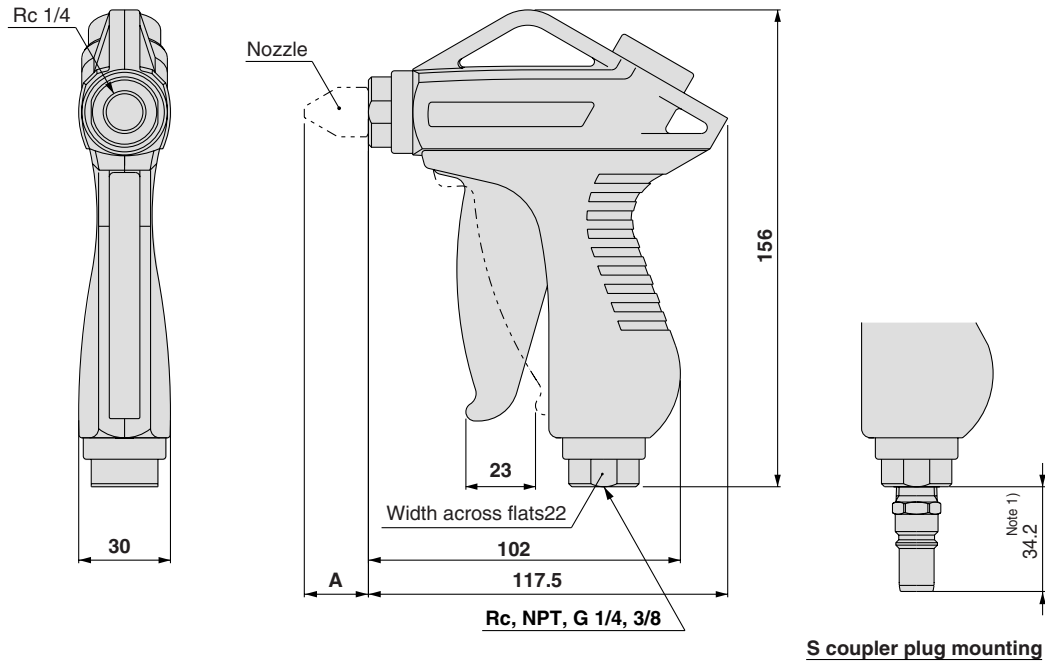
### Copper extension nozzle



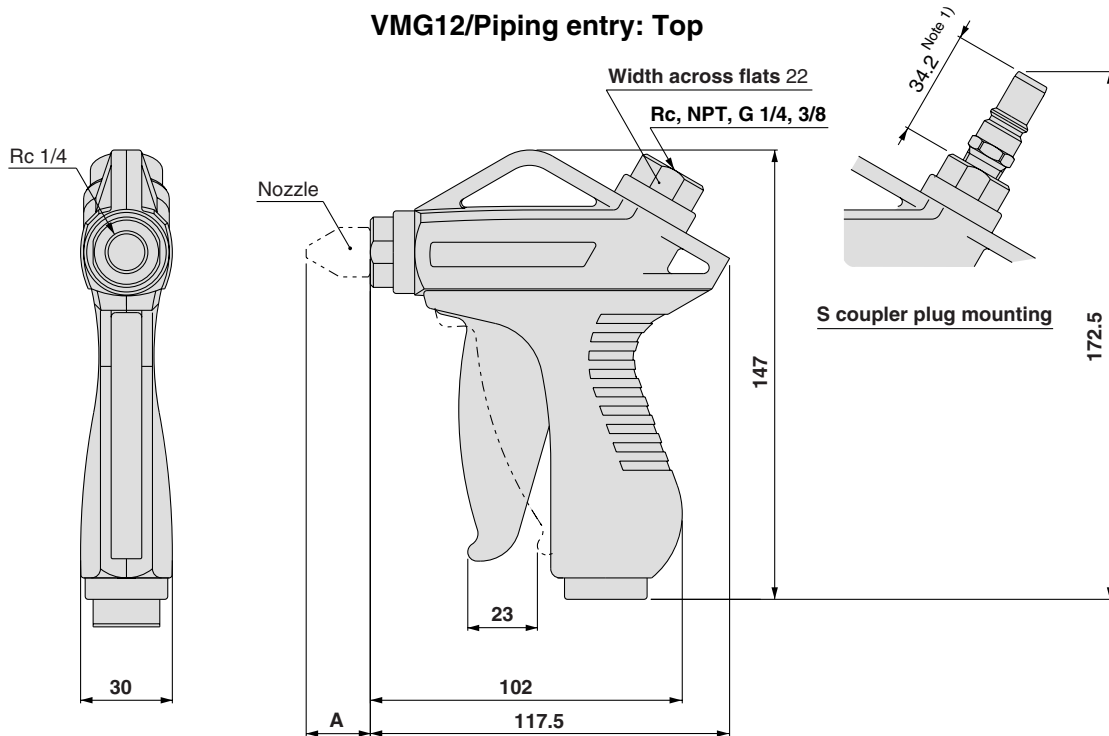
# Series VMG

## Dimensions

### VMG11/Piping entry: Bottom



### VMG12/Piping entry: Top



mm			
Type	Nozzle model	Nozzle size	A <sup>Note 1)</sup>
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

mm			
Type	Nozzle model	Nozzle size	A <sup>Note 1)</sup>
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 (with self align fitting H06-02)	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

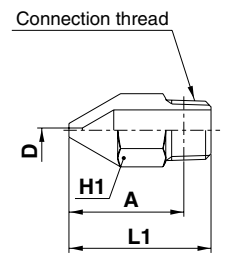
Note 1) Reference dimensions after installation

## Dimensions: Nozzle/Series KN

### Male thread nozzle: KN



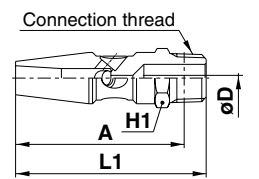
Model	Nozzle size <b>D</b>	Connection thread	Width across flats	<b>L<sub>1</sub></b>	<b>A</b>
			<b>H<sub>1</sub></b>		
<b>KN-R02-100</b>	ø1	R 1/4	14	31.4	25.4
<b>KN-R02-150</b>	ø1.5	R 1/4	14	31	25
<b>KN-R02-200</b>	ø2	R 1/4	14	30.5	24.5
<b>KN-R02-250</b>	ø2.5	R 1/4	14	30.1	24.1



### High efficiency nozzle: KNH



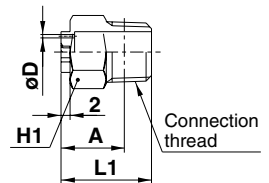
Model	Nozzle size <b>D</b>	Connection thread	Width across flats	<b>L<sub>1</sub></b>	<b>A</b>
			<b>H<sub>1</sub></b>		
<b>KNH-R02-100</b>	ø1	R 1/4	14	52	46
<b>KNH-R02-150</b>	ø1.5	R 1/4	14	52	46
<b>KNH-R02-200</b>	ø2	R 1/4	14	52	46



### Low noise nozzle with male thread: KNS



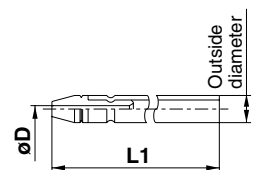
Model	Nozzle size <b>D</b>	Connection thread	Width across flats	<b>L<sub>1</sub></b>	<b>A</b>
			<b>H<sub>1</sub></b>		
<b>KNS-R02-075-4</b>	ø0.75 x 4	R 1/4	14	20	14
<b>KNS-R02-090-8</b>	ø0.9 x 8	R 1/4	14	20	14
<b>KNS-R02-100-4</b>	ø1 x 4	R 1/4	14	20	14
<b>KNS-R02-110-8</b>	ø1.1 x 8	R 1/4	14	20	14



### Copper extension nozzle: KNL



Model	Nozzle size	Outside diameter	<b>L<sub>1</sub></b>
	<b>D</b>		
<b>KNL3-06-150</b>	ø1.5	ø6	300
<b>KNL3-06-200</b>	ø2	ø6	300
<b>KNL6-06-150</b>	ø1.5	ø6	600
<b>KNL6-06-200</b>	ø2	ø6	600



Note) When a copper extension nozzle is ordered separately, a self-align fitting will also be required for connection with the blow gun. Order one with the following part number in addition to the nozzle.

#### Self-align fittings (For copper extension nozzle connection)

Half union  
**H06-02**

