

# COG SYSTEM

Dedicated Spray Guns Used in the Adhesion Process

## **COG System**

**Manual Spray guns: COG 1 & COG2**

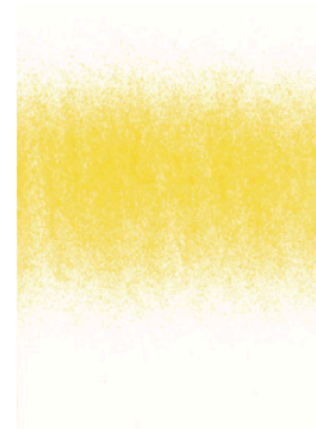
**Automatic Spray guns: COG A200 & COG R200**

Dedicated spray guns used in the adhesion process to automobile interior parts, woodwork, rubber products, etc.

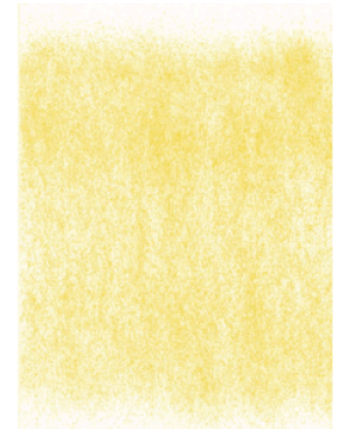
The viscosity range up to 10,000 cps.

Even with highly viscous adhesives, it achieves highly atomized particles and a wide pattern, allowing stable application even with large spray volumes.

Pattern Comparison



Painting Spray Gun  
Pattern



Serie COG Gun  
Pattern

## COG System

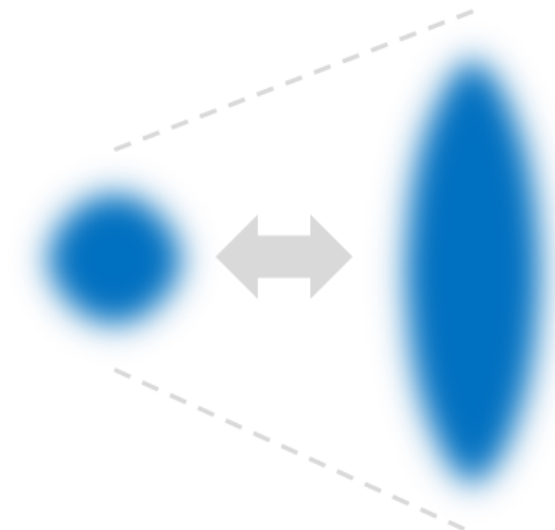
**Manual Spray guns: COG 1 & COG2**

**Automatic Spray guns: COG A200 & COG R200**

### Features

- Special cap finely atomizes adhesive
- Pattern width is wide even when the distance between the workpiece and the gun is close
- High Coating efficiency
- Uneven coating and stringiness are reduced

### Pattern Variation



## COG System

**Manual Spray guns: COG 1 & COG2**

**Automatic Spray guns: COG A200 & COG R200**

### Features

- Dirt adhesion to the air cap and nozzle tip is also reduced
- Mechanically improves the cause of poor adhesion, improving quality and reducing costs
- Simple maintenance
- Pattern adjustment device that responds linearly



## Manual Spray guns: COG 1 & COG2

### Main unit features

- Ergonomic design with emphasis on functionality
- Simple maintenance
- Pattern adjustment device that responds linearly
- Equipped with a new air valve seat set (structure that minimizes individual differences between spray guns)



# COG1, Small spray gun for adhesives

## Specifications

Model	Paint/liquid supply method	Nozzle diameter [mm]	Blow air pressure [MPa / psi]	Glue/liquid spray amount [cc/min]	(1) Pattern opening/ spraying distance [mm]	Air usage [L/ min / CFM]	spray gun type	nozzle shape	air cap model	Mass [g]
COG1-H08	Pressure feeding type	0.8	0.29 / 42	70	150/200	380 / 13.4	Glue Adhesive	straight nozzle	COG1	310
COG1-H12	Pressure feeding type	1.2	0.29 / 42	90	170/200	380 / 13.4	Glue Adhesive	straight nozzle	COG1	310
COG1-H18	Pressure feeding type	1.8	0.29 / 42	110	190/200	380 / 13.4	Glue Adhesive	straight nozzle	COG1	310
Model	Atomization state	spray pattern	Wetted parts material	Required compressor [kW / CFM]	Connection port size Air	Connection diameter Paint	Noise value [dB]	Operating ambient temp. [°C]	Working fluid temp [°C]	Maximum operating air press [MPa / psi]
COG1-H08	Highly fine particles	Round to flat blowing	stainless	5.5 to 7.5 / 25 to 40	G1/4B male	G3/8 male	79	5 to 40	5 to 43	0.7 / 100
COG1-H12	Highly fine particles	Round to flat blowing	stainless	5.5 to 7.5 / 25 to 40	G1/4B male	G3/8 male	79	5 to 40	5 to 43	0.7 / 100
COG1-H18	Highly fine particles	Round to flat blowing	stainless	5.5 to 7.5 / 25 to 40	G1/4B male	G3/8 male	79	5 to 40	5 to 43	0.7 / 100

## COG2, Large spray gun for adhesives

### Specifications

Model	Paint/liquid supply method	Nozzle diameter [mm]	Blow air pressure [MPa]	Paint/liquid spray amount [mL/min]	(1) Pattern opening/ spraying distance [mm]	Air usage [L/min]	spray gun type	nozzle shape	air cap format
COG2-H18	Pressure feeding type	1.8	0.29	250	390/200	440	Glue Adhesive	straight nozzle	COG2
COG2-H18S	Suction type	1.8	0.29	110	270/200	410	Glue Adhesive	straight nozzle	COG2S
COG2-H12	Pressure feeding type	1.2	0.29	150	265/200	440	Glue Adhesive	straight nozzle	COG2
Model	Mass [g]	spray pattern	Required compressor [kW / CFM]	Connection port size Air	Connection diameter Paint	Noise value [dB]	Operating ambient temp. [°C]	Working fluid temp [°C]	Maximum operating air press [MPa / psi]
COG2-H18	375	Round to flat blowing	5.5 to 7.5 / 25 to 40	G1/4B male	G3/8B male	80	5 to 40	5 to 43	0.7 / 100
COG2-H18S	375	Round to flat blowing	5.5 to 7.5 / 25 to 40	G1/4B male	G3/8B male	80	5 to 40	5 to 43	0.7 / 100
COG2-H12	375	Round to flat blowing	5.5 to 7.5 / 25 to 40	G1/4B male	G3/8B male	80	5 to 40	5 to 43	0.7 / 100

## Automatic spray gun for adhesives, COG2-A

### Features

- Pattern adjustment device that responds linearly





# Automatic spray gun for adhesives, COG2-A

## Specifications

format	Paint/liquid supply method	Nozzle diameter [mm]	Blow air pressure Atomizing air [MPa]	Paint/liquid spray amount [mL/min]	Air usage [L/min]	(1) Pattern opening/ spraying distance [mm]	Port size Liquid	Connection port size Atomizing air	Connection port size Working air	Mass [g]
COG2-A12	Pressure feeding type	1.2	0.29	150	440	--	--	--	--	440
COG2-A18	Pressure feeding type	1.8	0.29	250	440	--	--	--	--	420

## Automatic Guns COG-R200 Series, Remote Control

### Features

- Remote control for Atomizing, Pattern, & Operating Air



# Automatic Guns COG-R200 Series, Remote Control

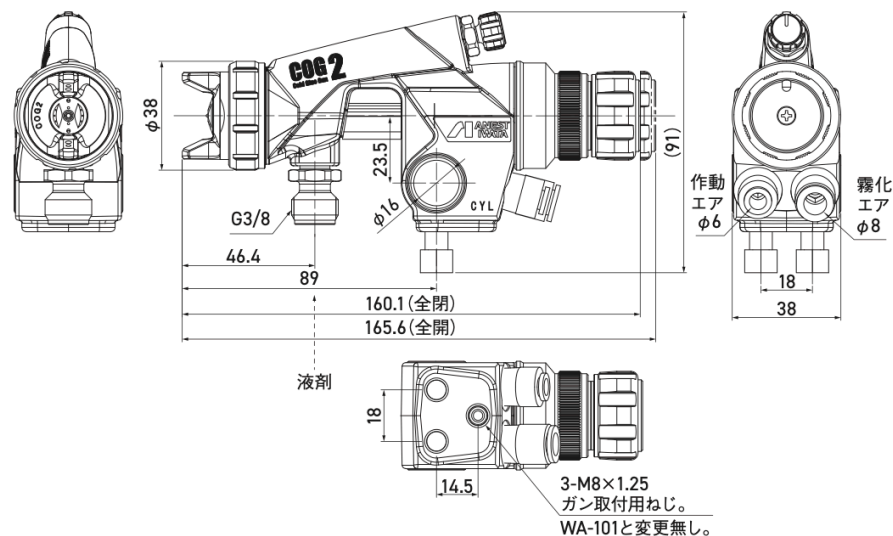


Model	Paint/liquid supply method	Nozzle diameter [mm]	Blow air pressure Atomizing air [MPa] / psi	Paint/liquid spray amount [cc/min]	(1) Pattern opening/spraying distance [mm]	Air usage [L/min] / CFM	spray gun type	nozzle shape	air cap format	Mass [g]	Blow air pressure Pattern air [MPa]	Atomization state	spray pattern
COG-R200-12	Pressure feeding type	1.2	0.1 to 0.2 / 14.5 to 29.0	150	265	275 / 9.7	General purpose	straight nozzle	COG-200	310	Catalog 0.15 Instruction manual 0.05~0.24 0.05~0.20	Highly fine particles	Round to flat blowing
COG-R200-18	Pressure feeding type	1.8	0.1 to 0.2 / 14.5 to 29.0	250	390	275 / 9.7	General purpose	straight nozzle	COG-200	310	Catalog 0.15 Instruction manual 0.05~0.24 0.05~0.20	Highly fine particles	Round to flat blowing
Model	Wetted parts material	Body material	Required compressor [kW / CFM]	Connection port size Atomizing air	Connection size pattern air	Connection port size Operating air	Port size Paint/liquid	Purpose	Noise value [dB]	Operating ambient temperature [°C]	Working fluid temperature [°C]	Maximum operating air pressure [MPa] / psi	
COG-R200-12	aluminum, stainless steel	Aluminum	5.5 to 7.5 / 25 to 40	Rc1/8 male	Rc1/8 male	Rc1/8 male	Rc1/8 male	For adhesive application	76.9	5~40	5~43	0.68 / 98.6	
COG-R200-18	aluminum, stainless steel	Aluminum	5.5 to 7.5 / 25 to 40	Rc1/8	Rc1/8	Rc1/8 male	Rc1/8	For adhesive application	76.9	5~40	5~43	0.68 / 98.6	

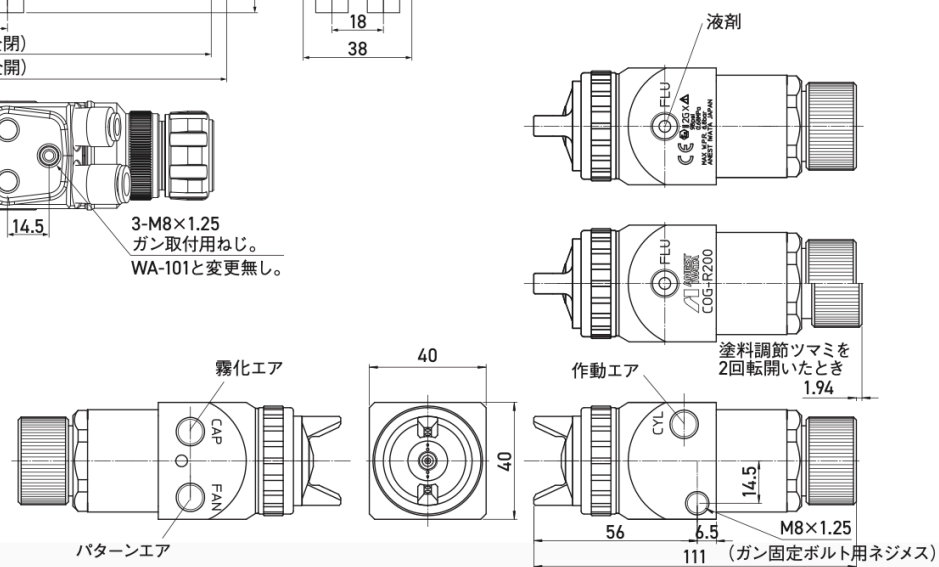


参考図 (mm)

COG2-A



COG-R200





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