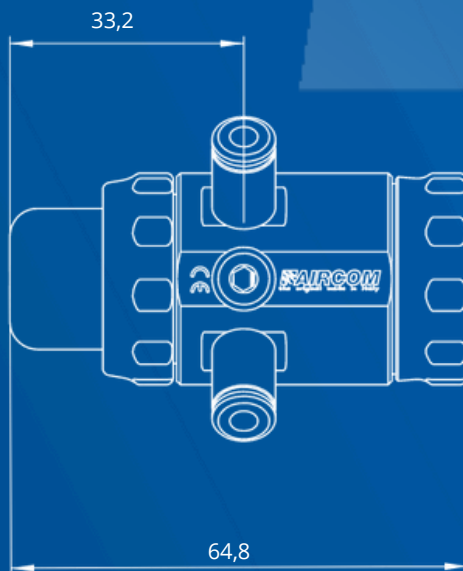


Instruction manual



mod. MG, MG1349

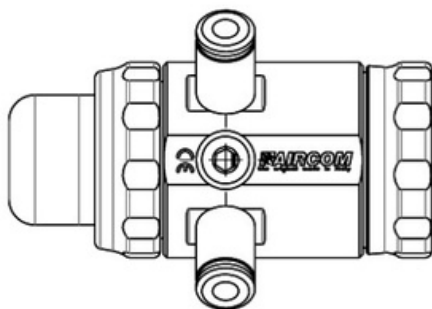
AVAILABLE MODELS

mod. MG

Reduced weight and dimensions, for different spraying needs

mod. MG1349

Suitable for particularly demanding working conditions



Index

Instruction Manual

| | |
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WARNINGS!

Carefully read and follow all instructions and safety precautions before using the product.



MANUALS

Our manuals are available at aircom.it/en/support/manuals/
Or, by scanning the QR Code on this page.

WARNINGS

CORROSIVE WARNINGS

Our guns can be used with the majority of water, or solvent-based pigments for coating and finishing all types of surfaces. However, they are not designed to spray abrasive and/or corrosive products. If abrasive and/or corrosive products are used, guns with components made of the appropriate material can be ordered.

PRODUCT

HEALTH HAZARD

Some chemicals, once sprayed, may be harmful and cause irritation or health disorders. Careful reading of all labels and instructions on how to use the product are necessary. Use of the product is restricted to trained technical personnel, with the use of special safety glasses when adjusting the gun and, while the system is operating.

MAINTENANCE AND CLEANING

MAINTENANCE

Before any maintenance work, empty the gun and disconnect it from both, the compressed air supply, and the liquid supply. Use only original AIRCOM® accessories, spare parts, and related components: any other product not supplied by AIRCOM® is not approved or authorized. AIRCOM® is not liable for any damage caused by using non-original spare parts and accessories.

CLEANING

Use exclusively appropriate liquid cleaners with neutral pH 6-8. Do not use acids, alkaline solutions or other cleaning agents containing sodium hydroxide, which are aggressive for cleaning the exterior of the gun. Do not immerse the gun in liquid cleaners that may cause corrosion of the product. Clean all material passages by propagating water within the paint circuit: inadequate cleaning can cause damages to the fan shape. While cleaning, avoid scratching the surfaces of the air nozzle holes and the dipstick.

INSTALLATION

mod. MG

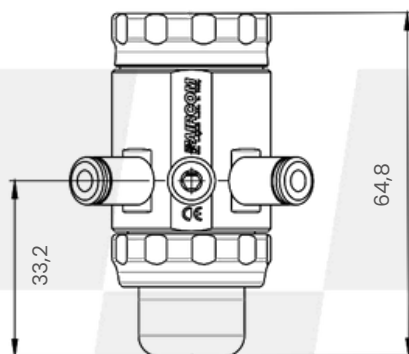
TECHNICAL SPECIFICATIONS

Size of pipe junctions:

- Control air inlet: **A** = pipe Ø 4
- Atomizing air inlet: **B** = pipe Ø 4
- Product inlet: **C** = pipe Ø 4

Gun weight: 135 gr

Gun size: see dimensioned views



A

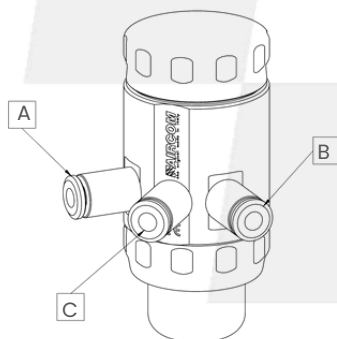
Pipe Ø ext. x Ø int. = 4 X 2
Plunger opening \geq 4,0 bar

B

Pipe Ø ext. x Ø int. = 4 X 2
Atomization: from 1 to 3 bar

C

Pipe Ø ext. x Ø int. = 4 X 2
Product inlet



VIDEO TUTORIALS ►

Our video tutorials are available at aircom.it/en/support/tutorials/
Or, by scanning the QR Code on this page.

INSTALLATION

mod. MG1349

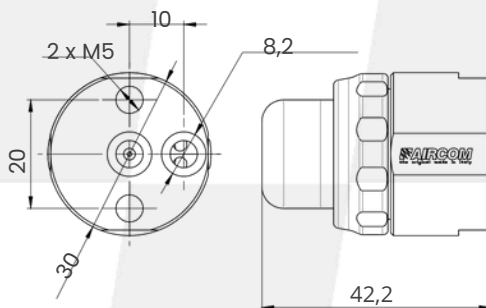
TECHNICAL SPECIFICATIONS

Size of pipe junctions:

- Atomizing air inlet: **A** = M5
- Product inlet: **B** = M5

Gun weight: 180 gr

Gun size: see dimensioned views



A

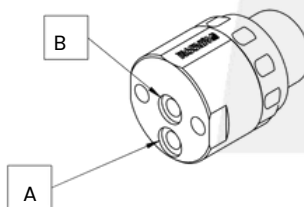
Pipe Ø ext. x Ø int. = 4 X 2

Atomization: from 2,5 to 5 bar

C

Pipe Ø ext. x Ø int. = 4 X 2

Product inlet



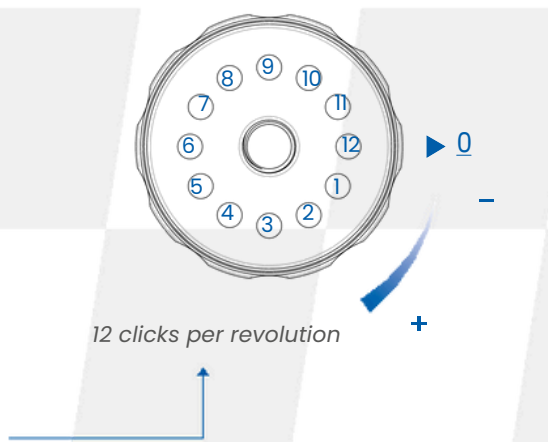
VIDEO TUTORIALS ►

Our video tutorials are available at aircom.it/en/support/tutorials/
Or, by scanning the QR Code on this page.

mod. MG

ADJUSTMENT SEQUENCE

1. Lock the gun to the system to secure the stability and orient the head towards the appropriate coverage direction.
2. Connect the atomization air, control air and product piping to the junctions shown on the previous page.
3. Screw the handwheel part. [1286-D11] as far as it will go (do not force when reaching the stop). Act on the control air. If no drop of pigment comes out, remove the control air, and open the handwheel part. [1286-D11] with one click. Repeat the process until the first drop appears.
4. Open the handwheel part. [1286-D11] with the necessary clicks to determine the desired amount of pigment.



ADJUSTMENT SEQUENCE

mod. MG1349

1. Lock the gun to the system through the special M5 holes on the back and orient the head in the appropriate direction of coverage.
2. Connect the atomization air and product piping to the threaded holes indicated on the previous page.
3. Adjust the flow of product upstream of the nebulizer.

TECHNICAL DATA

mod. MG

HEAD 1286-D4-M0

| Ø NOZZLE | CLICKS | FLOW RATE (g/min) | ATOMIZATION PRESSURE (kg/cm²) | AIR CONSUMPTION (L/min) |
|---------------------|--------|----------------------|-------------------------------------|-------------------------------|
| 1286-D4-M0 Ø 0,6 | 6 | 60,7 | 1,25 | 24 |
| | 9 | 94,5 | 1,27 | 34 |
| 1286-D4-M0 Ø 0,8 | 7 | 111,5 | 1,9 | 33 |
| | 10 | 132,6 | 2,3 | 38 |
| 1286-D4-M0 Ø 1,0 | 9 | 150 | 2,7 | 35 |
| | 11 | 185,6 | 3,1 | 40 |
| 1286-D4-M0 Ø 1,2 | 10 | 167 | - | - |
| | 12 | 209,3 | - | - |

NOTES

Pump pressure 0.8 to 1.0 Kg/cm².
Liquid used for testing: water. Ford cup viscosity 4 = 11 sec.



Cone Spray Head

TECHNICAL DATA

mod. MG

HEAD 1286-D4-M1 ▲

| Ø NOZZLE | CLICKS | FLOW RATE (g/min) | ATOMIZATION PRESSURE (kg/cm²) | AIR CONSUMPTION (L/min) |
|---------------------|--------|----------------------|-------------------------------------|-------------------------------|
| 1286-D4-M1 Ø 0,6 | 6 | 60,7 | 2 | 44 |
| | 9 | 94,5 | 3,3 | 65 |
| 1286-D4-M1 Ø 0,8 | 7 | 111,5 | 3,4 | 67 |
| | 10 | 132,6 | 3,7 | 71 |
| 1286-D4-M1 Ø 1,0 | 9 | 150 | 4,1 | 77 |
| | 11 | 185,6 | 4,3 | 80 |
| 1286-D4-M1 Ø 1,2 | 10 | 167 | 4,5 | 84 |
| | 12 | 209,3 | 4,8 | 88 |

NOTES

Pump pressure 0.8 to 1.0 Kg/cm².

Liquid used for testing: water. Ford cup viscosity 4 = 11 sec.

▲ Fan-shaped Spray Head

TECHNICAL DATA

mod. MG1349

HEAD 1286-D4-M0-X ▲

| Ø NOZZLE | CLICKS | FLOW RATE (g/min) | ATOMIZATION PRESSURE (kg/cm ²) | AIR CONSUMPTION (L/min) |
|-----------------------|--------|----------------------|--|-------------------------------|
| 1286-D4-M0-X Ø 0,8 | – | 174 | 2,9 | 65 |
| 1286-D4-M0-X Ø 1,0 | – | 235 | 3,4 | 79 |
| 1286-D4-M0-X Ø 1,2 | – | 313,5 | 4,5 | 85 |
| 1286-D4-M0-X Ø 1,5 | – | 469,6 | – | – |

HEAD 1286-D4-M1-X ▲

| Ø NOZZLE | CLICKS | FLOW RATE (g/min) | ATOMIZATION PRESSURE (kg/cm ²) | AIR CONSUMPTION (L/min) |
|-----------------------|--------|----------------------|--|-------------------------------|
| 1286-D4-M1-X Ø 0,8 | – | 174 | 2 | 122 |
| 1286-D4-M1-X Ø 1,0 | – | 235 | 2,3 | 135 |
| 1286-D4-M1-X Ø 1,2 | – | 313,5 | 2,5 | 146 |
| 1286-D4-M1-X Ø 1,5 | – | 469,6 | 3 | 148 |

NOTES

Pump pressure 0.5 to 0.6 Kg/cm².

Liquid used for testing: water. Ford cup viscosity 4 = 11 sec.







Cone Spray Head



Fan-shaped Spray Head





TROUBLESHOOTING

mod. MG

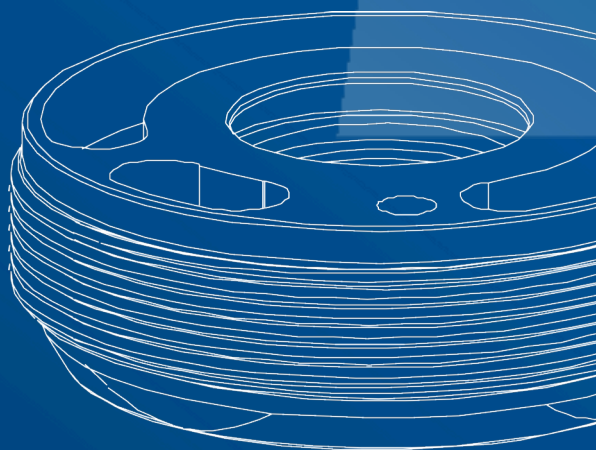
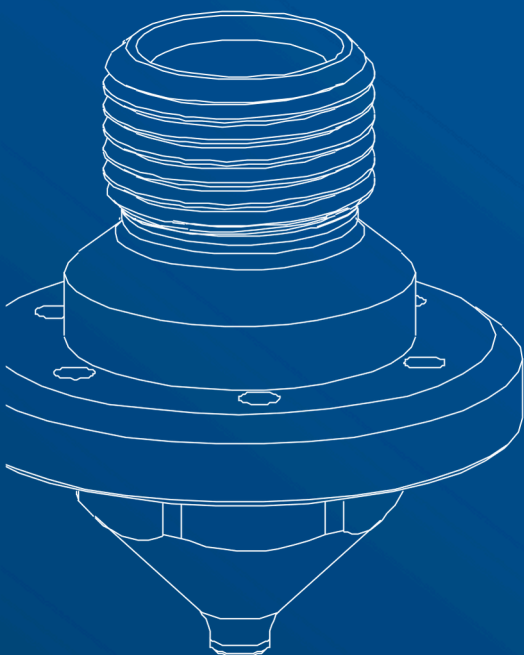
| Anomaly | Problem / Solution |
|---|--|
| No atomization | No pressure is getting to the gun Check air system |
| | Gaskets part. [O5] worn out Replace gaskets part. [O5] worn out |
|  | The head part. [1286-D4-M0] or part. [1286-D4-M1], nozzle part. [1007-2] and needle part. [1286-D5] are worn out. Replace the head part. [1286-D4-M0] or part. [1286-D4-M1], nozzle part. [1007-2] and needle part. [1286-D5] |
|  | The product is exceeding the amount needed Reduce the product passage |
|  | Lack of product (flow rate too low) Add product or reduce atomization air pressure |
|  | Missing product in tank or clogged pipes Fill tank or clean up with solvent |
| Leakage from the nozzle | Handwheel part. [1286-D11] worn out Replace handwheel part. [1286-D11] worn out |

TROUBLESHOOTING

mod. MG1349

| Anomaly | Problem / Solution |
|---|--|
| No atomization | No pressure is getting to the gun Check air system |
|  | The head part. [1286-D4-M0-X] or part. [1286-D4-M1-X] and nozzle part. [1007-2] are worn out Replace the head [1286-D4-M0-X] or part. [1286-D4-M1-X] and nozzle part. [1007-2] worn out |
|  | The product is exceeding the amount needed Reduce the product passage |
|  | Lack of product (flow rate too low) Add product or reduce atomization air pressure |
|  | Missing product in tank or clogged pipes Fill tank or clean up with solvent |
| Leakage from the nozzle | Anomaly found upstream of the nebulizer Check the operation of the system |

Spare parts and components

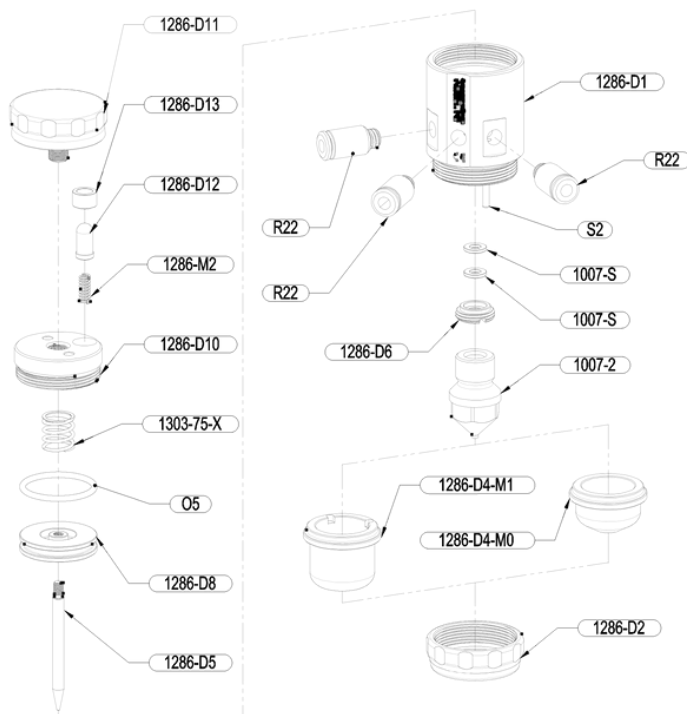


SPARE PARTS

DETAILS LIST

mod. MG

- 1007-2** [x1] Nozzle
- 1007-S** [x1] Gasket
- 1286-D1** [x1] Body
- 1286-D2** [x1] Ferrule
- 1286-D4-M0** [x1] Head
- 1286-D4-M1** [x1] Head
- 1286-D5** [x1] Needle
- 1286-D6** [x1] Cap
- 1286-D8** [x1] Plunger
- 1286-D10** [x1] Cap
- 1286-D11** [x1] Hand wheel
- 1286-D12** [x1] Tip
- 1286-D13** [x1] Ring
- 1286-M2** [x1] Spring
- 1303-75-X** [x1] Spring
- O5** [x1] Gasket
- R22** [x3] Junction
- S2** [x1] Plug



NOTES

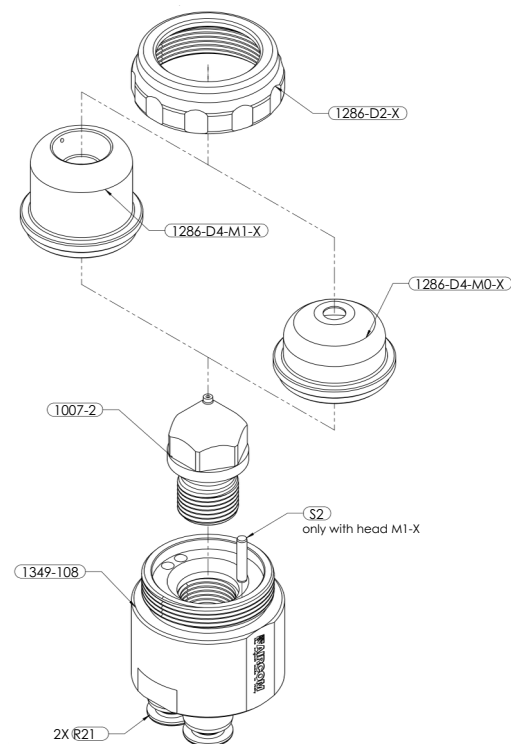
You can refer to the CNN table below for compatible heads for your model.

SPARE PARTS

DETAILS LIST

mod. MG1349

- 1007-2** [x1] Nozzle
- 1286-D2-X** [x1] Stainless steel ferrule
- 1286-D4-M0-X** [x1] Stainless steel head
- 1286-D4-M1-X** [x1] Stainless steel head
- 1349-108** [x1] Body
- R21** [x2] Junction
- S2** [x1] Plug



NOTES

You can refer to the CNN table below for compatible heads for your model.

COMPATIBLE CNN

Cap-Nozzle-Needle

mod. MG

1286-D4-M0 ▲

CAP

NOZZLE

NEEDLE



1286-D4-M0-0.8

1007-2-0.8

1286-D5-0.8

1286-D4-M0-1.0

1007-2-1.0

1286-D5-1.0

1286-D4-M0-1.2

1007-2-1.2

1286-D5-1.2

1286-D4-M0-1.5

1007-2-1.5

1286-D5-1.5

1286-D4-M1 ▲

CAP

NOZZLE

NEEDLE



1286-D4-M1-0.8

1007-2-0.8

1286-D5-0.8

1286-D4-M1-1.0

1007-2-1.0

1286-D5-1.0

1286-D4-M1-1.2

1007-2-1.2

1286-D5-1.2

1286-D4-M1-1.5

1007-2-1.5

1286-D5-1.5

NOTE



Cone Spray Head



Fan-shaped spray head

COMPATIBLE CNN

Cap-Nozzle-Needle

mod. MG1349

1286-D4-M0-X ▲

CAP

NOZZLE



1286-D4-M0-X-0.8

1007-2-0.8

1286-D4-M0-X-1.0

1007-2-1.0

1286-D4-M0-X-1.2

1007-2-1.2

1286-D4-M0-X-1.5

1007-2-1.5



1286-D4-M1-X ▲

CAP

NOZZLE



1286-D4-M1-X-0.8

1007-2-0.8

1286-D4-M1-X-1.0

1007-2-1.0

1286-D4-M1-X-1.2

1007-2-1.2

1286-D4-M1-X-1.5

1007-2-1.5



NOTE



Cone Spray Head



Fan-shaped spray head

CERTIFIED QUALITY

CERTIFICATIONS

All AIRCOM® products are certified according to norm EN 13 966 - 1 (VDMA-Einheitsblatt 24 366) and therefore also according to transfer efficiency parameters.



SUPPORT

DO YOU NEED HELP?

We are at your disposal.



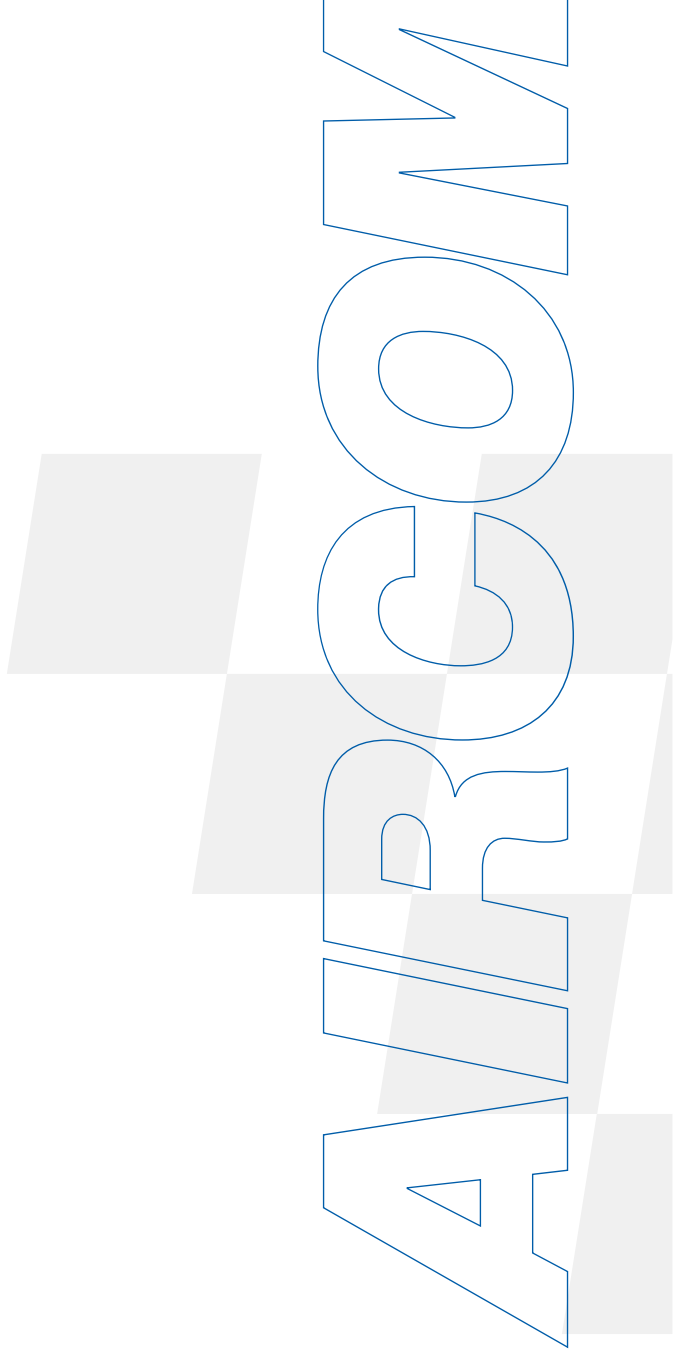
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