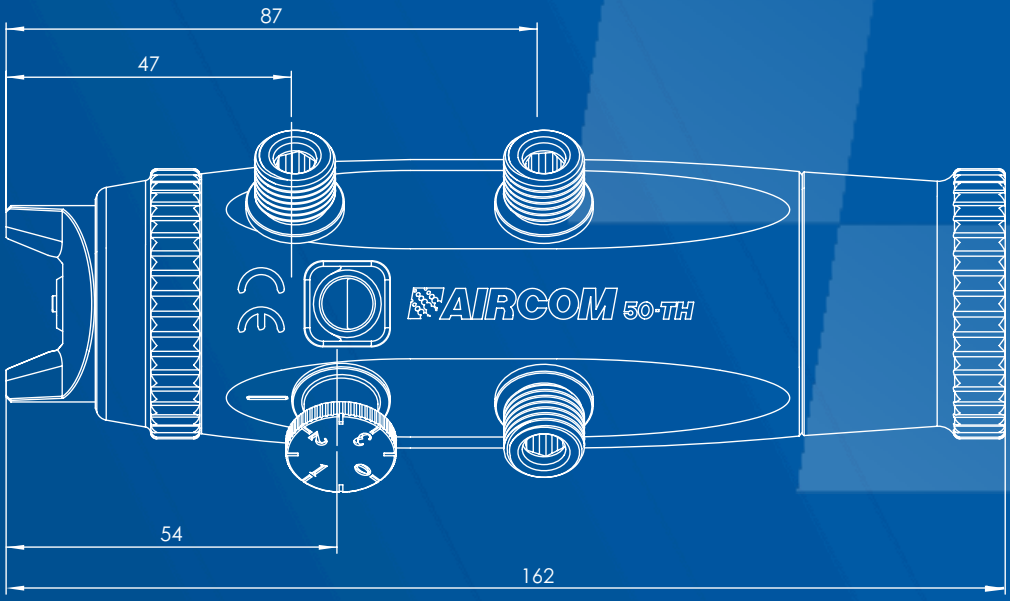
AIRCOM

CONVENTIONAL SPRAY GUNS

50TH.2 series

Instruction manual



mod. 50TH.2, 50TH.2-Q-X, 50TH.2-QS-X

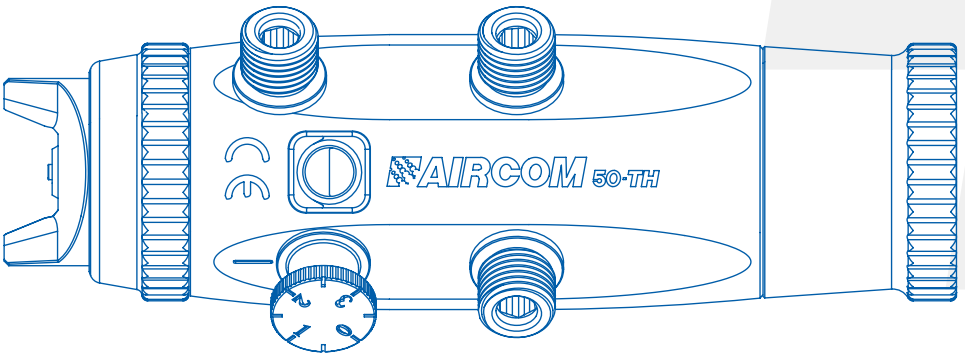
EN

aircom.it

AVAILABLE MODELS

MODELS	CONVENTIONAL	HVLP	INTERNAL PASSAGES IN STAINLESS STEEL	OPTIONAL WASHING CIRCUIT	WORKS WITH AIRCOM® QRB*	CAN BE EQUIPABLE WITH BRACKET BLOCK, WITHOUT THE USE OF AIRCOM® QRB **
50TH.2	★					
50TH.2-Q-X	★		★		★	
50TH.2-QS-X	★		★			★
50TH.2 HVLP		★				
50TH.2 HVLP-Q-X		★		★	★	
50TH.2 HVLP-QS-X		★		★		★

*requires AIRCOM® QRB for installation
**equipped with a bracket block that allows installation even without the use of AIRCOM® QRB; the block can be removed for use with the AIRCOM® QRB at a later time



Index

Instruction Manual

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 PRODUCT 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.

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

TECHNICAL SPECIFICATIONS

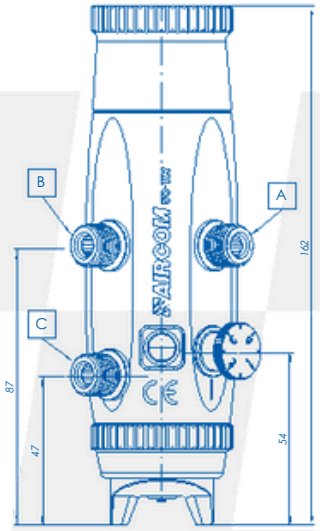
Connection hole diameter: 10,2 mm.

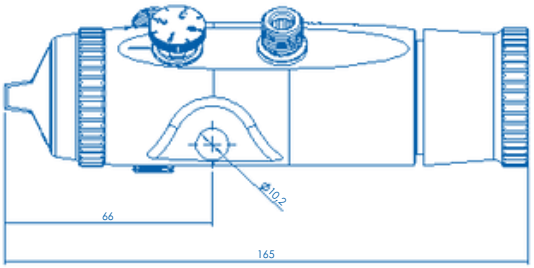
Size of pipe junctions:

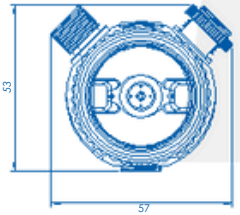
- Control air inlet: **A** = ¼ gas
- Atomizing air inlet: **B** = ¼ gas
- Product inlet: **C** = ¼ gas

Gun weight: 0,75 kg

Gun size: see dimensioned views







VIDEO TUTORIALS ▶

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

INSTALLATION AND STARTUP

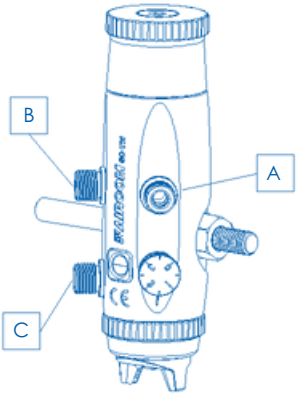
Before using a new gun or a new product, clean the gun thoroughly with an appropriate solvent. Powering should be done with dry, filtered air and regulated to constant pressure.

DIRECTIONS FOR GUN OPERATION

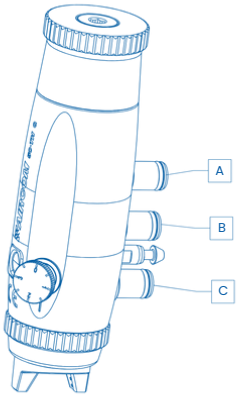
A
Pipe Ø ext. X Ø int. = 8 X 6
Plunger opening ≥ 4,0 bar

B
Pipe Ø ext. X Ø int. = 8 X 6
Atomization: from 1,5 to 3,5 bar

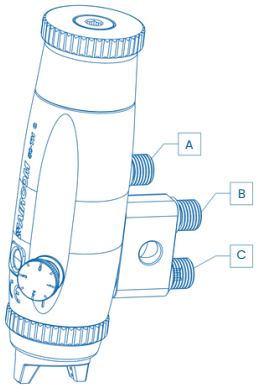
C
Pipe Ø ext. X Ø int. = 8 X 6
Product inlet



mod. 50TH.2



mod. 50TH.2-Q-X



mod. 50TH.2-QS-X

ADJUSTMENT SEQUENCE

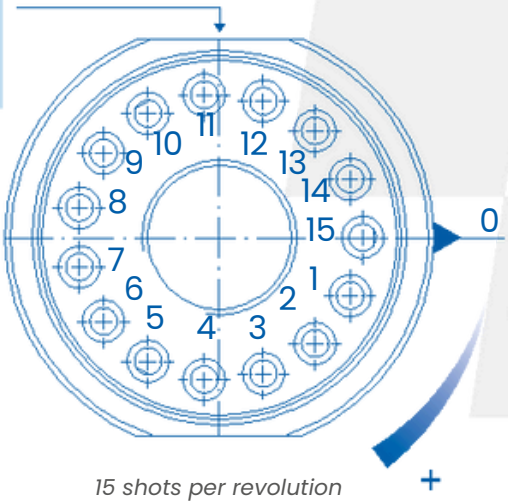
1.Lock the gun to the system using the fastening bracket and orient the head towards the appropriate coverage direction. When using the -Q version, lock the system block first, and then hook the gun.

2.Connect the atomization air, control air and product piping to the junctions shown on the previous page.

3.Screw the handwheel part. [1268-63] 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. [1268-63] with one click. Repeat the process until the first drop appears.

4.Open the handwheel part. [1268-63] with the necessary clicks to determine the desired amount of pigment.

5.Act on the adjustment screw to obtain the desired atomization range.



15 shots per revolution

TECHNICAL DATA

HEAD 1268-53-BI

HEAD ø NOZZLE	SHOTS	FLOW RATE OF THE FLUID (g/min)	ATOMIZATION PRESSURE (kg/cm²)	AIR CONSUMPTION (L/min)
1268-53-BI ø 0,8	6	115	1,5	157
	9	236	1,8	182
1268-53-BI ø 1,0	7	217	2,1	194
	10	275	2,3	206
1268-53-BI ø 1,2	8	225	2,2	197
	11	335	2,5	217
1268-53-BI ø 1,5	9	302	2,5	220
	12	415	2,8	250

NOTES

Pump pressure 0,8 ÷ 1,0 Kg/cm².
Liquid used for testing: water. Ford cup viscosity 4 = 11 sec.

TECHNICAL DATA

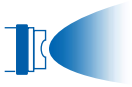
HEAD 1268-79-BA

HEAD ø NOZZLE	SHOTS	FLOW RATE OF THE FLUID (g/min)	ATOMIZATION PRESSURE (kg/cm²)	AIR CONSUMPTION (L/min)
1268-79-BA ø 0,8	6	98	1,5	146
	9	171	1,8	171
1268-79-BA ø 1,0	7	173	2,0	200
	10	268	2,2	214
1268-79-BA ø 1,2	8	253	2,3	191
	11	348	2,5	204
1268-79-BA ø 1,5	9	354	2,6	215
	12	472	2,8	240

NOTES

Pump pressure 0,8 ÷ 1,0 Kg/cm².
Liquid used for testing: water. Ford cup viscosity 4 = 11 sec.

TROUBLESHOOTING

Anomaly	Problem / Solution
No atomization	**No pressure is getting to the gun** *Check air system*
	Valve part. [1007- 43] worn out *Replace valve part. [1007-43] worn out*
	**The head part. [1268-53] or [1268-79], the nozzle part. [1268-52] or [1268-73], and the needle part. [1268-54] are worn out.** *Replace the head part. [1268-53] or [1268-79], the nozzle part. [1268-52] or [1268-73] and the needle part. [1268-54] 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	**Mounted handwheel part. [1268-63] worn out** *Replace mounted handwheel part. [1268-63] worn out*
	Needle part. [1268-54] / nozzle part. [1268-52] or [1268-73] worn out *Replace needle part. [1268-54]/ nozzle part. [1268-52] or [1268-73] worn out*

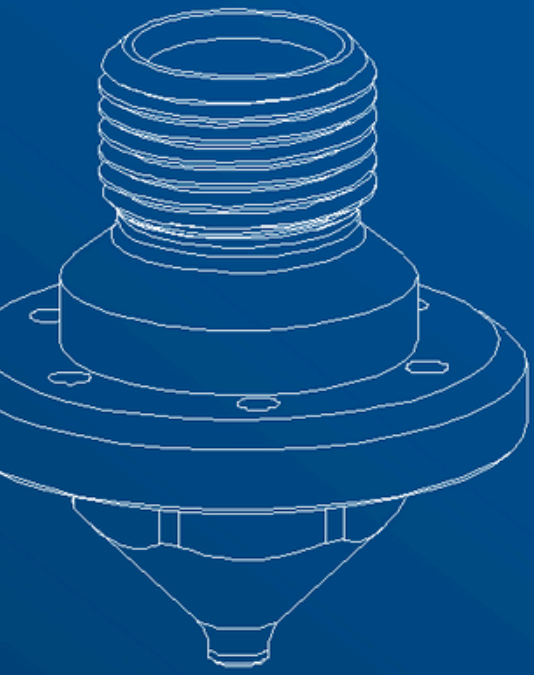
AIRCOM

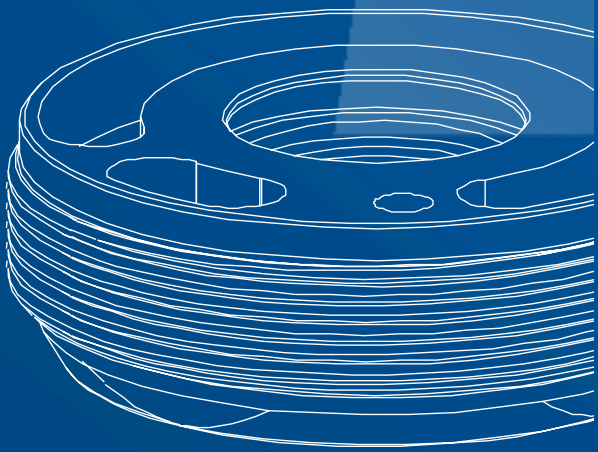
CONVENTIONAL SPRAY GUNS

50TH.2 series

mod. 50TH.2, 50TH.2-Q-X, 50TH.2-QS-X

Spare parts and components





EN

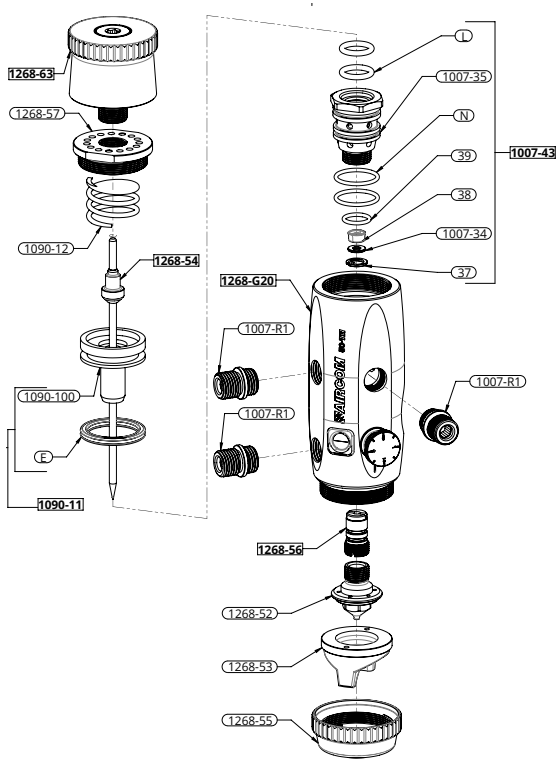
aircom.it

SPARE PARTS

DETAILS LIST

mod. 50TH.2

37	[x1]Seeger
38	[x1]Gasket
39	[x1]Gasket
1007-34	[x1]Gasket cover ring
1007-35	[x1]Valve
1007-43	[x1]Mounted valve
1090-11	[x1]Mounted plunger
1090-12	[x1]Spring
1090-100	[x1]Plunger
1268-52	[x1]Nozzle
1268-53	[x1]Head
1268-55	[x1]Complete needle
1268-56	[x1]Ferrule
1268-57	[x1]Gasket kit
1268-63	[x1]Cap
1268-67	[x1]Mounted hand wheel
1268-G20	[x1]Body with brass inner bushing, adjusting screw and cap
E	[x1]Gasket
L	[x2]Gasket
N	[x2]Gasket
1007-R1	[x3]Junction



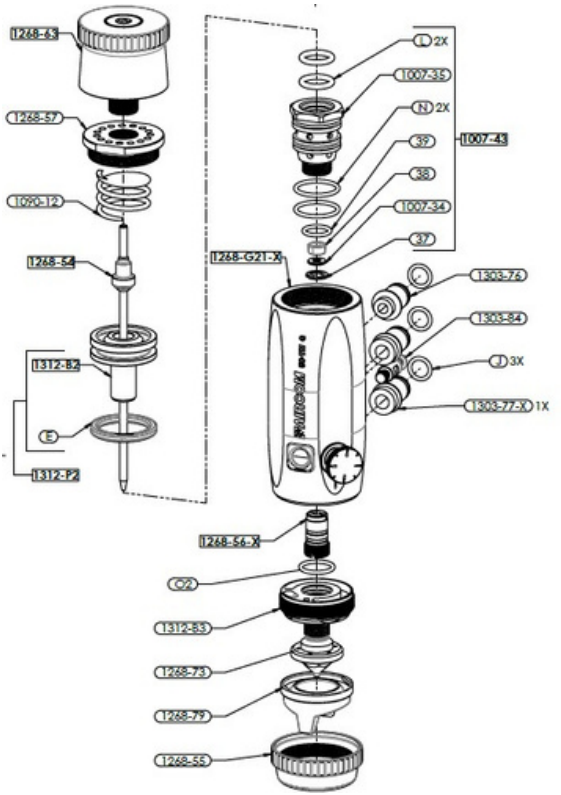
NOTES

The head protection stopper is also available as a spare part.
You can refer to the CNN table below for compatible heads for your model.

SPARE PARTS

DETAILS LIST

mod. 50TH.2-Q-X



37	[x1]Seeger
38	[x1]Gasket
39	[x1]Gasket
1007-34	[x1]Gasket cover ring
1007-35	[x1]Valve
1007-43	[x1]Mounted valve
1090-12	[x1]Spring
1268-54	[x1]Complete needle
1268-55	[x1]Ferrule
1268-56-X	[x1]Stainless steel gasket kit
1268-57	[x1]Cap
1268-63	[x1]Mounted hand wheel
1268-73	[x1]Nozzle
1268-79	[x1]Head
1268-G21-X	[x1]Body with stainless steel inner bushing, adjusting screw and cap
1303-76	[x1]Junction
1303-77	[x1]Junction
1303-77-X	[x1]Junction in stainless steel
1303-84	[x1]Locking pin
1312-B2	[x1]Plunger
1312-B3	[x1]Insert
1312-P2	[x1]Mounted plunger
E	[x1]Gasket
J	[x3]Gasket
L	[x2]Gasket
N	[x2]Gasket
O2	[x1]Gasket

NOTES

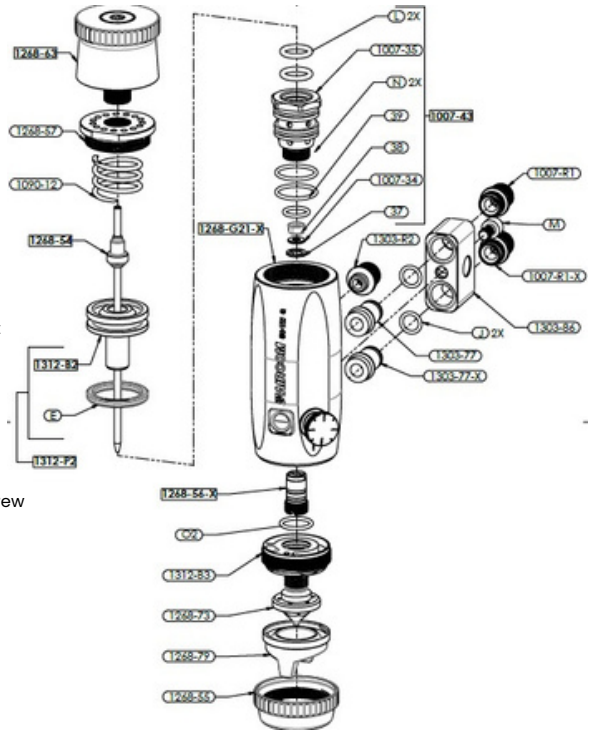
The head protection cap is also available as a spare part.
For the heads compatible with the model you can refer to the CNN table below.
The cap foreseen by default in part. [1268-G21-X] can be replaced with a fitting for the washing circuit.

SPARE PARTS

DETAILS LIST

mod. 50TH.2-QS-X

37 [x1]Seeger
38 [x1]Gasket
39 [x1]Gasket
1007-34 [x1]Gasket cover ring
1007-35 [x1]Valve
1007-43 [x1]Mounted valve
1007-R1 [x1]Junction
1007-R1-X [x1]Stainless Steel Junction
1090-12 [x1]Spring
1268-54 [x1]Complete needle
1268-55 [x1]Ferrule
1268-56-X [x1]Stainless steel gasket kit
1268-57 [x1]Cap
1268-63 [x1]Mounted hand wheel
1268-73 [x1]Nozzle
1268-79 [x1]Head
1268-G21-X [x1]Body with stainless steel inner bushing, adjusting screw and cap
1303-77 [x1]Junction
1303-77-X [x1]Junction
1303-86 [x1]Block
1303-R2 [x1]Junction
1312-B2 [x1]Plunger
1312-B3 [x1]Insert
1312-P2 [x1]Mounted plunger
E [x1]Gasket
J [x3]Gasket
L [x2]Gasket
M [x1]TCEI Screw
N [x2]Gasket
O2 [x1]Gasket



NOTE

The head protection cap is also available as a spare part.
For the heads compatible with the model you can refer to the CNN table below.
The cap foreseen by default in part. [1268-G21-X] can be replaced with a fitting for the washing circuit.

COMPATIBLE CNN

Cap-Nozzle-Needle

mod. 50TH.2

1268-53-BI	CAP	NOZZLE	NEEDLE
	1268-53-BI-0.8	1268-52-0.8	1268-54-0.8
	1268-53-BI-1.0	1268-52-1.0	1268-54-1.0
	1268-53-BI-1.2	1268-52-1.2	1268-54-1.2
	1268-53-BI-1.5	1268-52-1.5	1268-54-1.5
	1268-53-BI-1.8	1268-52-1.8	1268-54-1.8

mod. 50TH.2-Q-X, 50TH.2-QS-X

1268-79-BA	CAP	NOZZLE	NEEDLE
	1268-79-BA-0.8	1268-73-0.8	1268-54-0.8
	1268-79-BA-1.0	1268-73-1.0	1268-54-1.0
	1268-79-BA-1.2	1268-73-1.2	1268-54-1.2
	1268-79-BA-1.5	1268-73-1.5	1268-54-1.5
	1268-79-BA-1.8	1268-73-1.8	1268-54-1.8

CERTIFIED QUALITY

CERTIFICATIONS

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

Fraunhofer IPA

THREE-COLOR INSERT

Each gun is marked with a three-color three-dimensional seal. It represents an additional guarantee of authenticity and Italianity because it is present exclusively in original AIRCOM® guns.

SUPPORT

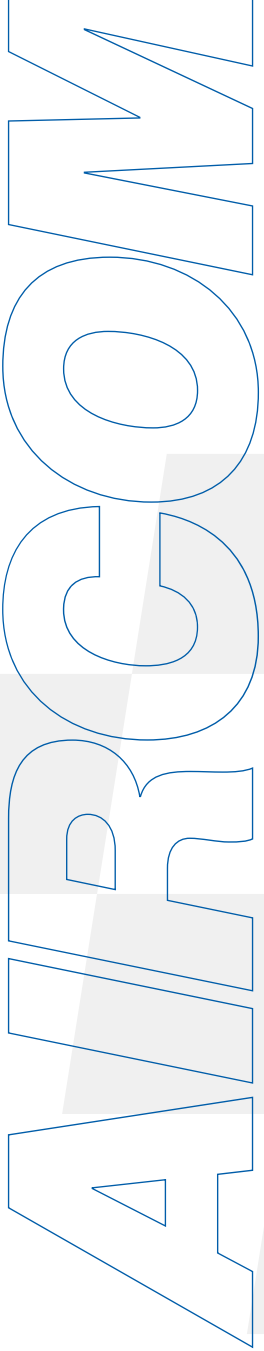
DO YOU NEED HELP?

We are at your disposal.

+39 0124 5154 44

aircom@aircom.it

Online support



AIRCOM

DISCOVER ALL PRODUCTS

Follow us

aircom.it