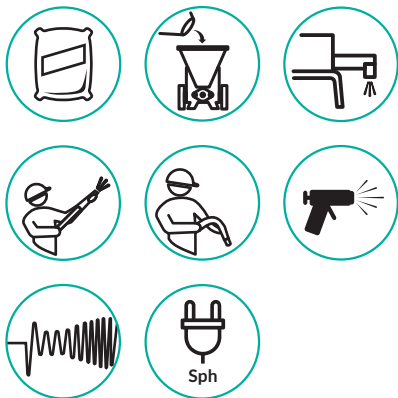


S 50 Airless

High pressure eccentric screw spraying system

S 50 Airless 230V 50/60 Hz Sph - 2.2 kW
1106052



A safety pressure gauge and pressure sensor are connected directly to the electrical panel for full control during work.



Useful side toolbox.

Description

Equipped with an eccentric screw pump without valves. It is a compact, light and easy to use machine.

The control panel is simple and intuitive. The exclusive IMER A1 inverter constantly monitors the pressure and automatically compensates the wear of the stator resolving differences in fluidity between one mixture and another. Homogeneous spraying is always guaranteed.

Maintenance is reduced only to the replacement of the rotor-stator unit, which can be carried out by the user directly on site.

Suitable for spraying the following products:

- Filling stuccos
- Stucco paste
- Water-based coatings
- Intumescent paints
- Washable paints
- Water repellent paints
- Anti-corrosion products

S 50 Airless is simple and versatile. The dual control and management software allows two modes of use:

- "A" mode ("Airless pump")
- "N" mode ("No Limits")

With "N" mode set, S 50 Airless has the same functionality as Small 50 EVO, but with superior performance.

Operation

The product is poured into the large hopper, sucked by the eccentric screw pumping system without valves and pushed into the pipe up to the IAG19 gun, which can be equipped with different types of nozzle to optimize spraying according to the type of material used.

The "Start & Stop" system can be operated directly from the IAG19 gun, without additional electrical cables.

It allows you to completely stop the machine at each stop and resume work simply by holding the gun.

The exclusive IMER A1 inverter allows to set the pumping speed and store the optimal operating pressure.

During use, the previously set pressure will remain constant, compensating for stator wear and small differences in fluidity between one mixture and another.

The display indicating the pump speed and operating pressure also has a diagnostic function, capable of immediately signaling any changes during use and the relative intervention methods.

Thanks to the exclusive IMER A1 inverter, the machine can work with suitably sized generators.



Practical supports for winding the hose during storage.



250 mm oversized wheels and lifting handles for easy handling.

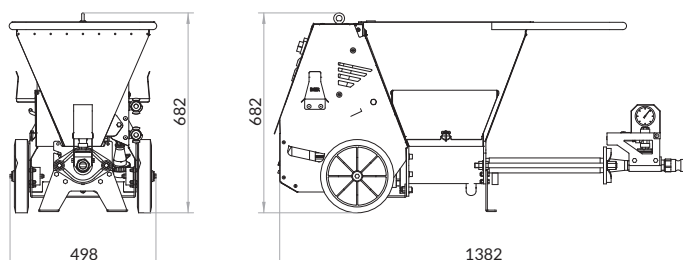
Standard Equipment

Control panel with exclusive IMER A1 self-diagnostic inverter
Spray gun IAG19
Nozzle kit 531 - 535 - 619
Filters for gun IAG19 Green and White
Cleaning kit for gun and nozzles
Pressure sensor
Safety pressure gauge
Lifting hook
Integrated lifting handles
50 l hopper in stainless steel
Accessory box incorporated in the frame
Stator and Rotor 4N 13S 120 bar
Airless hose 1/2" 20 m
Power cable 20 m

Technical data

		Airless
Supply	-	230V/50-60Hz
Max installed power	kW	2.2
Max absorption	A	9.5
Eccentric screw turns	rpm	37-228
Max pressure	bar	120
Max nozzle size	in	0.045
Max capacity*	l/min	8.5
Pumping distance*	m	30
Pipe nominal diameter	mm	13
Max pumping height*	m	30
Hopper capacity	l	50
Loading height	mm	650
Sound pressure level	dB(a)	<75
Wheel dimensions	mm	250
Dimensions w / l / h	mm	498/1382/682
Machine weight	kg	75
Packed machine dimensions w / l / h	mm	550/1250/1100
Packed machine weight	kg	120

(*) The distance, the pumping height and the flow rate of the material are characteristics subject to variations that may concern: the type of material used, the consistency of the material, the diameter of the hoses, the type of pump installed and the nozzle used.



MIGHTY SMALL 50 Plus

Multi-purpose pump and spray machine



Mighty Small 50 Plus 230V 50/60Hz Sph - 2.2 kW
1106345

Standard Equipment

Control panel with exclusive IMERA1 self-diagnostic inverter
Cable remote control
Power cable 20 m
Safety pressure gauge
D8 -1.5 Stator and Rotor (Green)
Hose manifold Ø 35 Female
Camlock coupling reduction Ø 35 M - Ø 25 M
Lifting hook
Integrated lifting handles
50 l hopper in stainless steel
Accessory box incorporated in the frame

It can be used in combination with any type of external mixer:

- Planetary mixer series "MIX"
- Continuous mixer "SPIN" series
- Concrete mixer series "SYNTESI", "MINIBETA" or "RIOBETA"

Technical data

No Limits

Supply	-	230V 50-60 Hz
Gearmotor	kW	2.2
Max absorption	A	9.5
Eccentric screw turns	rpm	37-320
Pressure (based on stator)	bar	15-25
Grain size (based on stator)*	mm	3 - 6
Max flow (based on stator)*	l/min	1.2 - 26
Pumping distance	m	35
Pipe nominal diameter	mm	25-35
Pumping height*	m	20
Hopper capacity	l	50
Loading height	mm	650
Sound pressure level	dB(a)	<76
Wheel dimensions	mm	250
Dimensions w / l / h	mm	504/1184/682
Machine weight	kg	75
Packaging dimensions w / l / h	mm	550/1250/1100
Packed machine weight	kg	120

(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the pipe used.



AIRLESS TRANSFORMATION KIT



Accessory kit for transforming Mighty Small 50 Plus into Airless

Complete with everything needed for use in "A" mode

- Material outlet flange
- Pressure gauge and sensor
- Flange tie rods
- Transmission rod for "N" Series stators
- 4N13S stator and rotor
- 1/2 "airless hose L20m
- IAG19 spray gun
- Nozzles 619-535-531
- Gun cleaning accessories

Recommended setups for specific uses

S 50 Airless mode "N" Mighty Small 50 Plus



1106052 S 50 Airless
230V 50-60Hz
2.2 kW

N1

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime (without vibrating grid)
- Premixed / pre-dosed structural plasters (without vibrating grid)
- Premixed / pre-dosed restorative plasters (without vibrating grid)
- Fiber-reinforced reinforcement mortars (without vibrating grid)
- Insulating plasters based on polystyrene or cork (without vibrating grid)
- Fireproofing (without vibrating grid)
- Grouting (without compressor and spray gun)

1107577 Ø 35 M spray gun for traditional plasters / premixed / stucco

1107543 IM250 compressor 230V/50 Hz

1107508 Electric diaphragm compressor IM250, 230V 60Hz 250 l / min. 0.75 kW

1107510 Vibrating grid 230V/50-60 Hz 0.2 kW

1107528 Material hose Ø 35 - 10 m with camlock coupling

1107531 Air hose Ø 13 - 10 m with quick couplings

1107030 Stator D8-1.5 (green)

1107031 Rotor D8-1.5 (green)

1107520 10 pieces sponge kit for cleaning hose Ø 35

Max installed power	kW	3
Max grain size	mm	6
Max pressure	bar	15
Max material flow*	l/min	26
Pumping distance*	m	35
Pumping height*	m	20
Hose diameter	mm	35

(*) The values indicated are subject to variations based on the characteristics of the materials used, the consistency and their grain size.

Recommended setups for specific uses

S 50 Airless mode "N" Mighty Small 50 Plus



1106052 S 50 Airless
230V/50-60Hz
2.2 kW

N2

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime (without vibrating grid)
- Premixed / pre-dosed structural plasters (without vibrating grid)
- Premixed / pre-dosed restorative plasters (without vibrating grid)
- Fiber-reinforced reinforcement mortars (without vibrating grid)
- Insulating plasters based on polystyrene or cork (without vibrating grid)
- Fireproofing (without vibrating grid)
- Grouting (without compressor and spray gun)

1107540 Ø 25 F spray gun for traditional /premixed plaster with Ø14 deflector (Duse)

1107543 IM250 compressor 230V/50Hz

1107508 Electric diaphragm compressor IM250 230V/60 Hz 250 l / min. 0.75 kW

1107510 Vibrating grid 230V/50 - 60 Hz 0.2 kW

1107525 Material hose Ø 25 - 15 m with camlock coupling

1107532 Air hose Ø 13 - 16 m with quick couplings

1107084 Stator D5-2.5 Clamp (Purple)

1107085 Rotor D8 1.5 mono (Purple)

1107519 Kit 10 pcs sponge balls for cleaning Ø 25 hoses

Max installed power	kW	3
Max grain size	mm	3
Max pressure	bar	25
Max material flow*	l/min	17
Pumping distance*	m	25
Pumping height*	m	15
Hose diameter	mm	25

(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency and grain size.



1106052 S 50 Airless
230V/50-60Hz - 2.2 kW

N3

➔ Recommended setup for:

- Adhesives for thermal insulation coatings
- Smoothing compounds for plaster
- Waterproofing
- Smoothers for decorative finishing with silicates or other minerals

Maximum installed power 4.4 kW

1107010 Smoothing and grouting kit

- Spray gun
- 1 set of deflectors Ø5-Ø6-Ø8-Ø12 mm
- 1 deflector with hose connection Ø16
- 10 + 5 m material hose Ø 25 with camlock coupling
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 30



1107610 (Only for 230V / 50Hz versions)
C400 piston compressor
230V / 50Hz 2.2 kW



1107513 Hopper cover



1108008 Remote control 16 m
for A1 switch board



1107084



Stator D5-2.5 MONO CLAMP

- Color: purple
- Maximum grain size 3 mm
- Flow rate (l / min) 2.3 - 17
- Pressure 25 bar

1107085



Rotor D5-2.5
PURPLE



1106052 S 50 Airless
230V/50-60Hz - 2.2 kW

N4

➔ Recommended setup for:

Pressure-controlled consolidation injections

Maximum installed power 2.2 kW

1108005 Injection kit for A1 switch board

- Pressure meter and pressure switch unit
- Reduction M. 1" F. 3/4" in brass
- Small 50 gun with 1 deflector hose connection Ø 16
- 10 m material hose Ø 25 with camlock coupling
- 5 m material hose Ø 25 with camlock coupling
- 1 nozzle cleaner and 1 sponge Ø 30



1108008



Remote control 16 m
for A1 switch board

1107084



Stator D5-2.5 MONO CLAMP

- Color: purple
- Maximum grain size 3 mm
- Flow rate (l / min) 2.3 - 17
- Pressure 25 bar

1107085



Rotor D5-2.5
PURPLE

Recommended setups for specific uses

S 50 Airless mode “N” Mighty Small 50 Plus

	1106052 S 50 Airless 230V/50-60Hz - 2.2 kW	N5	➡ Recommended setup for: Mortars for grouts / Spacing / Tuckpointing Maximum installed power 2.4 kW
 1108008	Remote control 16 m for A1 switch board	 1107499	Conical tube gun for spacing Ø 25 • Sectionable steel tube to obtain the desired outlet diameter. • No spreading ball valve
 1107525	Material hose Ø 25 - 15 m with camlock coupling	 1107016	Internal vibrating hopper 230V/50-60Hz
 1107032	Stator D4-1 / 2 CLAMP • Color: lemon yellow • Pressure (bar) 25 • Maximum grain size (mm) 3 • Flow rate (l / min) 1.2 - 9	 1107033	Rotor D4-1 / 2 LEMON YELLOW

Accessories S 50 Airless | mode “A”

1107220	 Stator 4N13S Orange	1107644	Nozzle 617 (paints)
1107221	 Rotor 4N13S	1107645	Nozzle 619 (paints)
1107643	 IAG19 gun without nozzles	1107646	Nozzle 531 (stuccos)
1107658	 IAG19 gun cleaning kit Needles for nozzles and brush for gun cleaning	1107647	Nozzle 543 (stuccos)
1107650	 10 pcs kit green filter for nozzles 252, 335, 543, 531 (stuccos)	1107648	Nozzle 252 (stuccos)
1107651	 10 pcs kit white filter for nozzles 617/619 (paints)	1107649	Nozzle 335 (stuccos)
1107652	 Ring for 7/8" thread nozzle	1107653	1/2" airless hose 10 m
1107654	 1/2" airless hose 20 m		

BASIC KIT for use S 50 Airless in “N” mode

1107663		Accessory kit for series “D” stators application on S 50 Airless Essential to use all the kits available for the “S 50 No Limits” mode • Material outlet manifold with camlock connection Ø 35 F • Pressure gauge unit for Ø 35 hoses Camlock fitting Ø 35F / Ø 35M • Flange tie rods • Small 50 EVO transmission rod • Camlock adapter Ø 35 / Ø 25 F
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A



➔ Recommended setup for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Thixotropic fiber-reinforced mortars for reinforcement
- Insulating plasters based on polystyrene or cork
- Fireproofing

Premixed / traditional mortar kit

- Spray gun
- Deflectors Ø 12 for traditional mortar
- Deflectors Ø 10-14 for premixed products
- 15 m material hose Ø 25 with camlock coupling
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner
- 1 sponge Ø 30

1107005

B



➔ Recommended setup for:

- Mortars for grouting /spacing
- Adhesives for thermal insulation coatings
- Smoothing compounds for plaster
- Smoothers for decorative finishing with silicates or others minerals
- Waterproofing
- Solvent-free paints

Smoothing and grouting kits

- Spray gun
- 1 set of deflectors Ø5-Ø6-Ø8-Ø12 mm
- 1 deflector with hose connection Ø16
- 10 + 5 m material hose Ø 25 with cam camlock coupling
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 30

1107010

C



➔ Recommended setup for:

- Binders / mortars for consolidation injections at controlled pressure

Injection kit for A1 switch board

- Pressure control group with adjustable pressure switch 0.5-5 bar
- Small 50 gun with 1 deflector Ø 16
- 10 m material hose Ø 25 with cam camlock coupling
- 5 m material hose Ø 25 with cam camlock coupling
- 1 nozzle cleaner and 1 sponge Ø 30

1108005

D



➔ Recommended setup for:

- Solvent-free paints

Painting kit

- Spray gun + deflectors Ø5-Ø6
- 10 m material hose Ø 19 with camlock coupling
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 25
- Specific couplings for piping connection

1107009

Electric diaphragm compressor

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Thixotropic fiber-reinforced mortars for reinforcement
- Insulating plasters based on polystyrene or cork
- Fire proofing mortars

1107543



IM 250 electric membrane compressor
230V / 50 Hz 250 l / min. 0.75 kW

1107508

Piston compressor

➔ Recommended for:

- Adhesives for thermal insulation coatings
- Smoothing compounds for plaster
- Smoothers for decorative finishing with silicates or minerals
- Waterproofing, seal even fiber-reinforced
- Solvent-free paints

1107610



(Only for 230V / 50Hz versions)
Piston compressor C400
230V / 50 Hz 2.2 kW

Vibrating grid

➔ Recommended for:

- Traditional products packed on site

1107510



Vibrating grid 230V / 50-60 Hz 0.2 kW

Internal vibrating hopper

➔ Recommended for:

- Mortars for grouts / stuccos

1107016



Internal vibrating hopper
230V / 50-60 Hz 0.2 kW

Hopper cover

➔ Recommended for:

- Products' protection from the air during application

1107513



Hopper cover

1108007



Pressure control unit with adjustable
pressure switch 0.2-5 bar for
A1 switch board

1107503



Pneumatic wheels kit

1108009



15 m remote control extension for
A1 switch board

1107662



Pressure measuring unit
with camlock coupling Ø 25M Ø 25F
0-100 bar pressure gauge

1107673



Pressure measuring unit
with camlock coupling Ø 35M Ø 35F
0-100 bar pressure gauge

1108008



Remote control 16 m for
A1 switch board

1107103



Hose cleaning kit Ø 25 with air

1107519



Kit 10 pcs sponge balls for cleaning Ø 25
hoses

1107520



Kit 10 pcs sponge balls for cleaning Ø 35
hoses

Concrete hoses with camlock connections

1107529

Material hose Ø 19 - 10 m with
camlock coupling

1107525

Material hose Ø 25 - 15 m with
camlock coupling

1107526

Material hose Ø 25 - 10 m with
camlock coupling

1107527

Material hose Ø 25 - 5 m with
camlock coupling

1107074

Material hose Ø 25 M35 / M25 - 5 m
with camlock coupling

1107528

Material hose Ø 35 - 10 m with
camlock coupling



Quick connection compressed air hoses

1107530

Air hose Ø 13 - 5 m with quick couplings

1107531

Air hose Ø 13 - 10 m with quick
couplings

1107532

Air hose Ø 13 - 16 m with quick
couplings

1107076

Air hose Ø 13 - 20 m with quick
couplings



1107540



Ø 25 F spray gun for traditional /
premixed plaster with Ø14 deflector
(Duse)

1107568



Ø 25 F spray gun with no-spreading ball
valve and air flow regulator

1107549



Ø 25 F spray gun, 1.43 m long for
fireproofing and premixed plaster

1107011



Ø 25 F spray gun for finishing coat /
filling / touch pointing / injections
without deflectors, with air flow
regulator and no-spreading ball valve

1107604



Deflector kit 5-6-8-12-16 tempered
stainless steel

1107499



Conical tube gun for spacing Ø 25
• Sectionable steel tube to obtain the
desired outlet diameter.
• No spreading ball valve

1108006



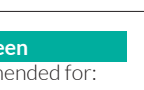
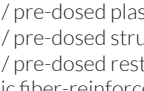
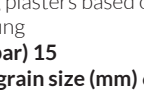
Tuckpointing gun for A1 switch board
with control sensor: On-Open /
Off-Closed 24V socket

1107570



U bend steel pipe Ø 25

Accessories | S 50 Airless mode "N" Mighty Small 50 Plus

							
			1107540	1107011	1107549	1107568	1107577
1107551		10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster	✓		✓	✓	✓
1107552		10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster	✓		✓	✓	✓
1107553		10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster	✓		✓	✓	✓
1107554		10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster	✓		✓	✓	✓
1107557		5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster	✓				✓
1107558		5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster	✓				✓
1107559		5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster	✓				✓
1107560		5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster	✓				✓
1107561		Kit 3 deflectors Ø 5 hardened steel for finishing coat and decorative plaster		✓			
1107562		Kit 3 deflectors Ø 6 hardened steel for finishing coat and decorative plaster		✓			
1107563		Kit 3 deflectors Ø 8 hardened steel for finishing coat and decorative plaster		✓			
1107564		Kit 3 deflectors Ø 12 hardened steel for fills deep spaces by spraying the mortar		✓			

D8-1.5 Green

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Thixotropic fiber-reinforced mortars
- Insulating plasters based on polystyrene or cork
- Fireproofing

Pressure (bar) 15

Maximum grain size (mm) 6

Flow rate (l / min) 4 - 26

1107030



Stator D8-1.5
MONO CLAMP

1107031



Rotor D8-1.5 MONO

D5-2.5 Purple

➔ Recommended for:

- Adhesives for thermal insulation coatings
- Smoothing compounds for plaster
- Skim coats for decorative finishing
- Waterproofing, even fiber-reinforced
- Solvent-free paints

Pressure (bar) 25

Maximum grain size (mm) 3

Flow rate (l / min) 2.3 - 17

1107084



Stator D5-2.5
MONO CLAMP

1107085



Rotor D5-2.5 MONO

D4-1/2 Lemon Yellow

➔ Recommended for:

- Grouting / Tuckpointing / Spacing

Pressure (bar) 25

Maximum grain size (mm) 3

Flow rate (l / min) 1.2 - 9

1107032



Stator D4-1/2 CLAMP

1107033



Rotor D4-1/2