



Feeding with fluid products contained in vessels



Feeding from bags



Feeding from silo



Manual feeding of loose aggregates



Feeding from large mixers



Direct mixing pump



Indirect mixing plastering pump



Compressed air conveyer



Planetary vertical axis mixer



Continuous horizontal axis mixer



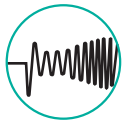
Spraying pump



Cast with open hose



Airless pump



Exclusive IMER variable speed inverter



Single-phase



Three-phase



Petrol engine



Diesel engine



Forced feed hopper with feeding wheel



Electropump



IMERVIEW remote control system



Advanced dust control system

Electric Motors available

50 Hz

115V/50Hz Sph

230V/50Hz Sph

400V/50Hz Tph

60 Hz

115V/60Hz Sph

230V/60Hz Sph

230V/60Hz Tph

400V/60Hz Tph

50/60 Hz

115V 50/60Hz Sph

230V 50/60Hz Sph

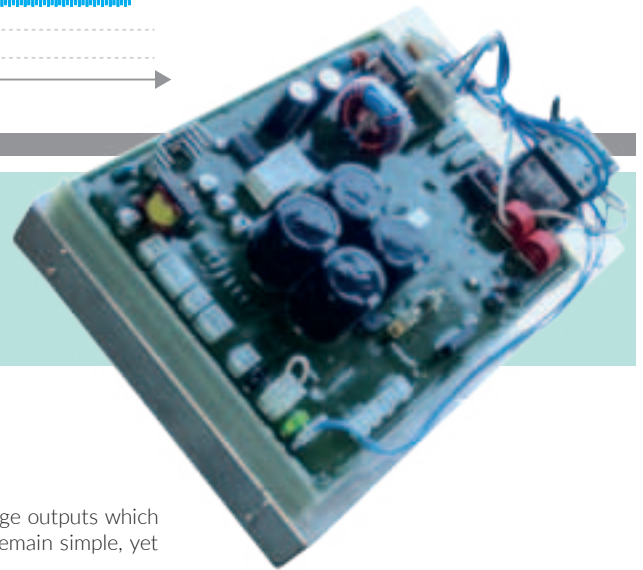
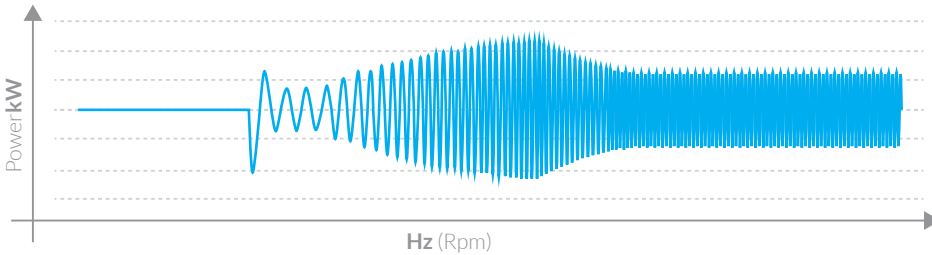
400V 50/60Hz Tph

ADVANCED TECHNOLOGY FOR THE CONSTRUCTION SITE

An old quote states **"Power is nothing without control"**. This is perfectly consistent with modern IMER R2 inverters and the A1 extension.

IMER inverters are designed to intelligently manage the power available from the power supply, transforming it into pure mechanical energy throughout the start-up and course of operation. Various multi-level protections, and the diagnostic system, protect the electrical parts from any serious electrical event and from human error. The indispensable luminous display indicates any type of anomaly and suggests the appropriate, immediate solution.

IMER has designed, exclusively for its machines, a special protective and passively cooled resin shell to guarantee operation, even in wet and dusty environments.



Operation

Manage up to two electric motors simultaneously with direct power and low voltage outputs which do not involve the use of interface switches. This allows the electrical system to remain simple, yet remarkably reliable.

It controls and manages in real time all the operating parameters of the electric motors and the status of the safety sensors.

This exclusive protection keeps the power supply from the main system under constant control, protecting the electronics from any high voltage peaks. This makes the IMER R2 and A1 inverters usable even with generators not equipped with AVR stabilizers.

In the event of anomalies during use, the inverter evaluates the intervention mode which can be:

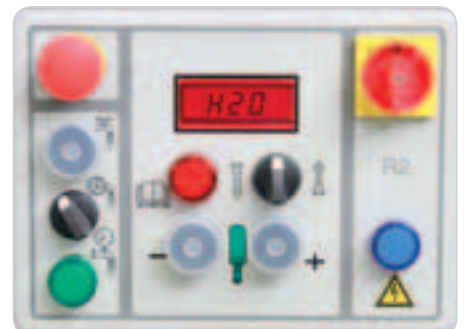
- Immediate, in case of alarm of safety devices (eg hopper grate, emergency button, etc.)
- Delayed, in case of a temporary overload of the system

Any event that causes the machine to stop is indicated on the display with alphanumeric characters. In this way the operator can easily identify the cause of the reported problem and correct the anomaly of use.

- H20** = Insufficient water pressure
- BLOCC** = Stator/rotor group blocked
- STOP** = Air nozzle clogged (stand-by)
- ERR08** = Supply voltage insufficient
- ERR07** = Feeding wheel caked
- ERR03** = Insufficient water in the mixture
- ERR02** = Excessive motor temperature

230V single-phase inverter features

		R2	A1
Automatic torque boost with "Real Time" current control	V/F VSI	Yes	Yes
Continuous power	W	3200	3200
Normal / heavy load	A	15 / 30	15 / 30
Power range	W	90 - 265	90 - 265
	Hz	50/60	50/60
Output frequency	Hz	0 - 125	0 - 125
24V "Flat Back" Clipping Power Supply		Yes	Yes
Logic inputs		12	14
Digital outputs		5	5
Degree of protection	IP	54	54



NO MORE DUST ON THE SITE!

I-Dust gates by IMER provide a considerable reduction in the diffusion of dust while bagged material is poured onto the drum and during the mixing phase. The I-Dust gate must be connected to a vacuum cleaner. Ideal for indoor work!



Available for series:

- Spin
- Mix
- Koine

I-Dust gate significantly limits the dispersion of dust in the surrounding environment!



Minimum requirements of the recommended vacuum cleaner for connection with I-Dust gate:

- 1400 W
- Cyclone filter

SMALL 50 EVO

Multi-purpose pump and spray machine

50 Hz

Small 50 ES EVO

230V/50 Hz Sph - 2.5 kW
with vibrating grid, compressor
and hoses kit
1106341

60 Hz

Small 50 ES EVO

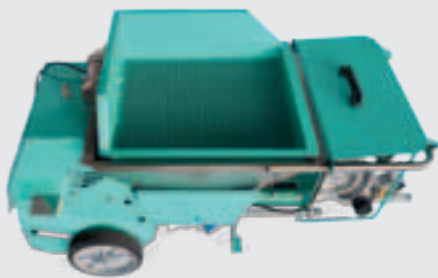
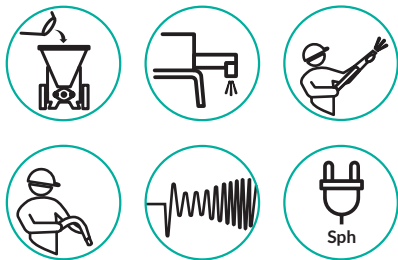
230V/60 Hz Sph - 2.5 kW
with vibrating grid, compressor
and hoses kit
1106343

Small 50 EVO

230V 50/60 Hz Sph - 1.5 kW
1106342

Small 50 EVO

115V 50/60 Hz Sph - 1.5 kW
1106344



Multi-accessory and adaptable to all mortar pumping needs.



A1 control panel, with diagnostic and functional display.

Continuous speed variation and a series of pumping units provide a material flow from 0.3 to 14 l / min.

Description

Ultra-compact, light and powerful. Accessories allow the pumping or spraying of multiple products:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Binders / mortars for consolidation injections
- Insulating plasters polystyrene or cork based
- Thixotropic fiber-reinforced reinforcement mortars
- Fill core grout / Grouts
- Self-levelling cement / anhydride based screeds
- Tuckpointing
- All free-solvent paints
- Adhesives for thermal insulation coatings
- Fine coating/ Skim cote
- Smoothers for decorative finishing with silicates or minerals
- Waterproofing plasters, even fiber-reinforced
- Fireproofing

Equipped with the exclusive IMER A1 inverter, which features a pumping speed variator and operating diagnostics, for total control of the conditions of use in complete safety.

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

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

Operation

Small 50 EVO is usually positioned under the discharge outlet of a mixer to pour the mixture directly into the hopper.

Wet products that do not need to be mixed, can be poured directly into the hopper.

The mixture contained in the hopper is sucked by the rotor-stator pumping system and pushed into the hose until it reaches the opposite end.

Accessories and devices for spraying and injecting material at controlled pressure can be connected. A hose can also be used on the machine for pouring the self-levelling or filling products.

Set the pumping speed using the exclusive IMER R2 inverter, adapting the machine to different needs.

Small 50 EVO is equipped with a diagnostic display, which signals any anomalies during use and related resolution methods.

The exclusive IMER A1 inverter allows the Small 50 EVO can operate with appropriately sized generators.



250 mm oversized wheels and lifting handles for easy handling.



Useful toolbox.

Standard Equipment

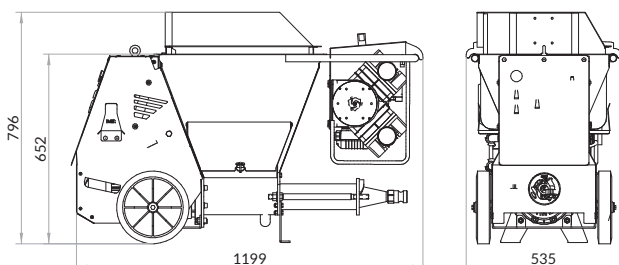
- Stainless steel hopper
- Stator and rotor D8 1.5 ECO
- Control panel with A1 inverter and diagnostic display
- 20 m electric power cable
- Electric remote control
- Pressure measuring unit
- Accessory box
- Vibrating grid (Small 50 ES EVO)
- Premixed / traditional mortar kit (Small 50 ES EVO)
- Electric diaphragm compressor IM250 (Small 50 ES EVO)

Technical data SMALL 50 ES EVO

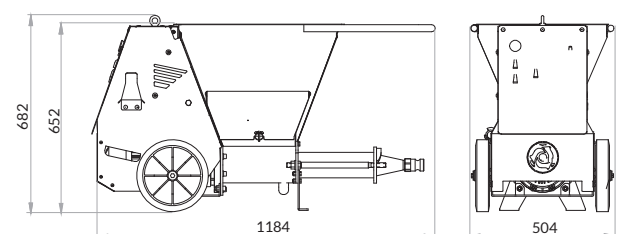
Supply	-	230V/50Hz
Max installed power	kW	2.5
Material flow rate*	l/min	0.8 to 14
Max pumpable grain size*	mm	6
Pumping distance hose Ø 19 mm*	m	15
Pumping distance hose Ø 25 mm*	m	25
Pumping height	m	15
Hopper capacity	l	50
Loading height	mm	650
Sound pressure level	dB (A)	< 74
Dimensions w / l / h	mm	535/1199/796
Machine weight	kg	69
Compressor weight	kg	28
Packed machine 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 hose used.

Small 50 ES EVO



Small 50 EVO



Standard setup **SMALL 50 ES EVO**



1106342 Small 50 EVO
230V/50 Hz 1.5 kW

1106344 Small 50 EVO
115V/50-60Hz 1.5 kW

↪ Customizable model depending on the application

Standard equipment

- Stainless steel hopper
- Stator and rotor D8 1,5 ECO
- Control panel with A1 inverter and diagnostic display
- 20 m electric power cable
- Electric remote control
- Pressure measuring unit
- Accessory box

Setups for specific applications **SMALL 50 EVO**



1106342 Small 50 EVO
230V/50 Hz 1.5 kW

1106344 Small 50 EVO
115V/50-60Hz 1.5 kW

S1

↪ Recommended setup for:

- Pressure-controlled injections

Maximum installed power 1.5 kW

1108005 Injection kit for A1 panel

- Pressure meter and pressure switch group
- Reduction M. 1 "F. 3/4" in brass
- Small 50 gun with 1 hose deflector 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



1106342 Small 50 EVO
230V/50Hz 1.5 kW

1106344 Small 50 EVO
115V/50-60Hz 1.5 kW

S2

↪ Recommended setup for:

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

Maximum installed power 3.7 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)
Piston compressor C400
230V / 50Hz 2.2 kW

1107513



Hopper cover

1107084



Stator D5-2.5 MONO CLAMP

- Color: purple
- Max. grain size 3 mm
- Flow rate (l / min) 0.6-10
- Pressure 25 bar

1107085



Rotor D5-2.5 MONO

Setups for specific applications **SMALL 50 EVO**



1106342 Small 50 EVO
230V/50Hz 1.5 kW

1106344 Small 50 EVO
115V / 50-60Hz 1.5 kW

S3

- ➔ Recommended setup for:
- Tuckpointing
 - Groutings on exposed stones

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 / 50-60 Hz

1107032



Stator D4-1 / 2 CLAMP

- Color: lemon yellow
- Pressure (bar) 25
- Max. grain size (mm) 2
- Flow rate (l / min) 0.3- 4.5

1107015



Internal vibrating hopper
115V / 50-60 Hz

1107033



Rotor D4-1 / 2



1106342 Small 50 EVO
230V/50 Hz 1.5 kW

1106344 Small 50 EVO
115V / 50-60 Hz 1.5 kW

S4

- ➔ Recommended setup for:
- Solvent-free paints
- Maximum installed power 3.7 kW

1107009 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
- Reduction coupling Ø 25 - Ø19 for hose



1107610



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

1107513



Hopper cover

1107084



Stator D5-2.5 MONO CLAMP

- Color: purple
- Max. grain size 3 mm
- Flow rate (l / min) 0.6-10
- Pressure 25 bar

1107085



Rotor D5-2.5 MONO

Kits and accessories for customized setups

SMALL 50 EVO / SMALL 50 ES EVO

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
- Fire proofing mortars

1107005 Premixed / traditional mortar kit

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

B



➔ Recommended setup for:

- Mortars for grouts / stuccos
- Adhesives for thermal insulation coatings
- Smoothing plasters
- Smoothers for decorative finishing with silicates or minerals
- Waterproofing
- Solvent-free paints
- Tuckpointing / filling
- Groutings on exposed stones

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 cam lock couplings
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 30

C



➔ Recommended setup for:

- Binders / mortars for consolidation injections at controlled pressure

1108005 Injection kit for A1 panel

- Pressure control group with adjustable pressure switch 0.5-5 bar
- Small 50 gun with 1 house connections hose deflector 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

D



➔ Recommended setup for:

- Solvent-free paints

1107009 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 hosing connection

Accessories for customized setups

SMALL 50 EVO / SMALL 50 ES EVO

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
- Insulating plasters based on polystyrene or cork
- Fireproofing

1107543



Electric diaphragm compressor IM250
230V / 50Hz 250 l / min. 0.75 kW

1107546

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

1107508

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

Piston compressor

➔ Recommended for:

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

1107610



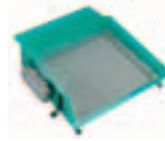
(Only for 230V / 50Hz versions)
Piston compressor C400
230V / 50Hz 2.2 kW

Vibrating grid

➔ Recommended for:

- Conventional plaster prepared on site

1107510



Vibrating grid 230V / 50-60Hz 0.2 kW

1107548

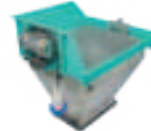
Vibrating grid 115V 50-60 Hz 0.2 kW

Internal vibrating hopper

➔ Recommended for:

- Tuckpointing / Spacing/grout

1107016



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

1107015

Internal vibrating hopper
115V / 50-60Hz

Hopper cover

➔ Recommended for:

- Products' protection from the air and impurities 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



Remote control extension 15 m for
A1 switch board

1107662



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

1108008



Remote control 16 m for
A1 switch board

1107103



Cleaning kit for Ø25 hoses with air

1108013



A1 (AMPHENOL) Accessory Adapter:
1108007, 110806, 1108009 and
1108008 on the previous version "R2"
control panel

1107519

Kit 10 pcs sponge balls for cleaning
Ø 25 hoses

1108017



Accessory adapter for panel R2 to the
control panel A1 (AMPHENOL)

1107520



Kit 10 pcs sponge balls for cleaning Ø 35
hoses (also hopper cap Small 50 EVO)

Accessories **SMALL 50 EVO / SMALL 50 ES EVO**

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

1107030



Stator D8-1.5
MONO CLAMP

1107031



Rotor D8-1.5 MONO

Pressure (bar) 15

Max. grain size (mm) 6

Flow rate (l / min) 0.8 -14

D5-2.5 Purple

➔ Recommended for:

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

1107084



D5-2.5 MONO CLAMP

1107085



Rotor D5-2.5 MONO

Pressure (bar) 25

Max. grain size (mm) 3

Flow rate (l / min) 0.6-10

D4-1/2 Lemon Yellow

➔ Recommended for:

- Grouting/spicing /Tuckpointing

1107032



Stator D4-1 / 2 CLAMP

1107033



Rotor D4-1 / 2

Pressure (bar) 25

Max. grain size (mm) 3

Flow rate (l / min) 0.3- 4.5

1107540



Ø 25 F spray gun for traditional /
premixed plaster with Ø14 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

1107504
1108006



Tuckpointing gun for R2 switch board
Tuckpointing gun for A1 switch board

1107570



Spacer filler gun with control sensor:
On-Open / Off-Closed 24V socket

U-bend steel hose Ø 25

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

Quick couplings 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

Accessories **SMALL 50 EVO / SMALL 50 ES EVO**

					
		1107540	1107011	1107549	1107568
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				
1107566	 3 pcs kit deflectors with hose nozzle Ø 16				

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 35M - 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 250l / 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.



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
	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
			1107525 Material hose Ø 25 - 15 m with camlock coupling
			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 S50Airless in "N" mode

	1107663	<p>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</p> <ul style="list-style-type: none"> • Material outlet flange with camlock connection Ø35 F • Pressure gauge unit for Ø 35 pipes Camlock fitting Ø 35F / Ø 35M • Flange tie rods • Small 50 EVO transmission rod • Camlock adapter Ø35 Ø25 FF
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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



IM250 electric membrane compressor
230V / 50 Hz 250 l / min. 0.75 kW

1107508

IM 250 electric membrane compressor
230V 60 Hz

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

1108008



Remote control 16 m for A1 switch board

1107103



Hose cleaning kit Ø25 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 L5 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



		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

KOINE 3.1

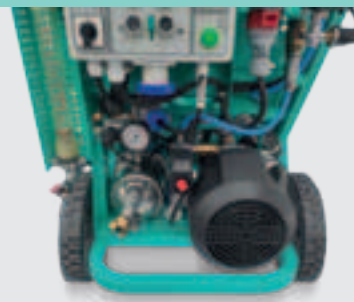
Continuous cycle spraying and mixing pump

Koine 3.1 230V/50Hz Sph - 3.4 kW
1106307 **NEW**

Koine 3.1 Coat 230V/50Hz Sph - 4.9 kW
1106308 **NEW**



Safety sensor in case of removal of the grid from the hopper or in case of opening and overturning of the mixer motor.



- IM250 diaphragm compressor fitted as standard on Koine 3.1
- C400 piston compressor fitted as standard on Koine 3.1 Coat

In both versions the compressor is mounted on the machine and easily removable.

Description

The new Koine 3.1 is designed to be versatile and easy to use even by the less experienced operator thanks to the proven Easy Start system and interactive display. Koine 3.1 is equipped with safety protections that immediately stop the electric motors in case of removal of the hopper grid or opening of the mixing chamber.

Dry premixed materials (Dry mode)

- Mortars for gluing and smoothing thermal insulation panels
- Mortars for reinforced concrete / lime-based structural reinforcement
- Restoring / dehumidifying mortars for masonry walls
- Binders / mortars for consolidation injections
- Lime / cement / gypsum based plasters
- Lime / cement / gypsum based smoothing compounds
- Insulating plasters based on polystyrene or cork
- Cement / anhydride-based self-levelling substrates
- Mortars to protect structures from heat

Wet materials (Wet mode)

- Finishing coatings, mineral smoothing compounds with silicates or quartzite
- Waterproofing products, including fiber-reinforced ones
- Smoothing compounds for elastomeric / water-repellent finishes
- Cementitious mortars for reinforced structural reinforcement
- Binders / mortars for consolidation injections
- Mortars for tuckpointing / grouting

Koine 3.1 turns into a pump for ready-to-use smoothing products in paste, injection mortar and tuckpointing, simply by turning a switch on the control panel and adjusting the flow rate of material to your preference. In particular, the "Coat" version is equipped with a 400l/min piston compressor, optimized for the application of fiber-rich or highly viscous smoothing products.

Operation

Dry mode

The dry product contained in the bags is poured into the hopper, where an agitator shaft accompanies the material towards the mixing chamber. The water needed to obtain the mixture is injected into the mixing chamber by a stainless steel pump. The water flow is kept constant by a particular stabilization system and controlled by a valve that starts or stops the flow when necessary. The amount of water in the mixture can be viewed in the flow meter and can be adjusted according to needs through a micrometric valve.

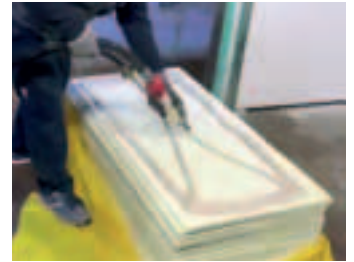
The material is mixed with water and immediately sucked by the eccentric screw pump, and then pushed into the hoses until it reaches the opposite end. The 6 adjustable pumping speeds allow to increase or decrease the power absorbed by the pump, adapting it to the electric power available in the electrical system.

Wet mode

The wet potted product can be poured directly into the Koine 3.1 hopper. If it is a dry product contained in the bags, to be mixed with water, it must first be mixed with a mixer in a container and then poured into the hopper to be pumped. The mixture contained in the hopper is sucked by the rotor-stator pumping system and pushed into the pipe until it reaches the opposite end of the pipe. The gradually variable speed allows you to adapt the flow rate of material to the application needs.

Different accessories for spraying products or devices for controlled pressure injections can be connected to the hoses.

The machine can also be used simply with an open hose for laying self-levelling or grouting products.



- 300 mm large wheels
- High efficiency hydraulic system, with generous size self-priming Calpeda electric pump, capable of 4.5 bar of pressure, with stainless steel cap.



Control panel with inverter and interactive display. Easy to use also for the less experienced operator. A series of visual and acoustic diagnostics warnings makes each operation more simple to perform: **H2O**, **BLOCC**, **STOP**, **ERR08**, etc.

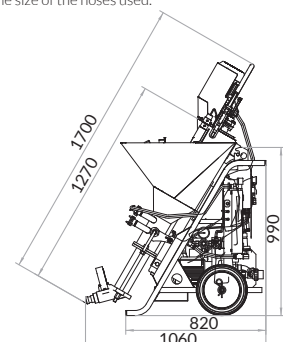
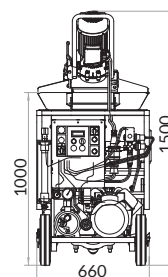
Standard Equipment

- Stator and Rotor D5-2.5 Monoflex (purple)
- Direct connection for hoses material DN35 F
- Material delivery pressure gauge
- Control panel with IMERA1 inverter
- Remote control ready
- 6 selectable speeds in Dry Mode
- Progressive pumping speed adjustment in Wet Mode
- Interactive display with alphanumeric codes
- IM250 diaphragm compressor on board the machine (Koine 3.1)
- Fini VKM 402 piston compressor on board the machine (Koine 3.1 Coat)
- Calpeda NGX2 self-priming stainless steel pump
- Water system with flow meter and anti-freeze drainage
- Easy start starting system
- 20 m electric cable with 16 A plug
- 20 m water hose Ø 19 mm
- 16 m air hose Ø 13 mm
- 15 m material hose Ø 25 mm
- Spray gun for premixed Ø 25 with deflectors (Koine 3.1)
- Spray gun for smoothing compounds with deflectors + Spray gun Ø 25 (Koine 3.1 Coat)

Technical data

		Koine 3.1	Koine 3.1 Coat
Power supply	-	230V/50Hz	230V/50Hz
Max installed power	kW	3.4	4.9
Mixer motor power	kW	2.2	2.2
Electric pump motor power	kW	0.45	0.45
Electric compressor	kW-l/min	0.75 - 250	2.2 - 400
Dry mode material flow rate*	l/min	7-17	7-17
Wet mode material flow rate*	l/min	2.3-17	2.3-17
Pumping distance served*	m	25	25
Height served*	m	15	15
Hopper volume	l	75	75
Loading height	mm	1000	1000
Sound pressure level	dB (A)	< 76	< 79
Dimensions w / l / h	mm	660x1060x1500	660x1060x1500
Complete machine weight	kg	159	162
Packing size w / l / h	kg	800/1600/1700	800/1600/1700
Weight of the packed machine	kg	230	235

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



Setups for specific applications **KOINE 3.1**

A



Accessories for thermo-plaster, lightened screed and fireproofing materials.

1107030 Stator D8-1.5 MONO CLAMP

1107029 Rotor D8-1.5 with tab - Ocher

1107683 Light material mixer (> 990Kg / mc)

1107517 Turbo mixer

B




Accessories for thermo-plaster, lightened screed and fireproofing materials. Without turbine

1107030 Stator D8-1.5 MONO CLAMP

1107031 Rotor D8-1.5 MONO - Green

1107683 Light material mixer (> 990Kg / mc)

C



Accessories for pumping self-leveling underlyments

1107030 Stator D8-1.5 MONO

1107031 Rotor D8-1.5 MONO - Green

1108009 Remote control extension 15 m for A1 switch board

D



➔ Recommended preparation for mortars for tuckpointing / grouting

1107499 Conical tube gun for spacing

1108008 Remote control extension 16 m for A1 switch board

1107032 Stator D 4-1/2 CLAMP

1107033 Rotor D4-1 / 2 LEMON YELLOW

E



➔ Accessories for the application of:

- Adhesives for thermal insulating coatings
- Smoothing compounds for plaster
- Smoothing compounds for decorative finishing with silicates or quartzite
- Waterproofing
- Solvent-free paints
- Filling deep spaces on rocks
- Brick / stone tuckpointing

Smoothing and grouting kit

- Spray gun
- 1 set of deflectors Ø5-Ø6-Ø8-Ø12 mm
- 1 deflector with hose connection Ø16

1107010

- 10 + 5 m material hose Ø 25 with cam lock couplings
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 30

F



➔ Accessories for consolidation injections with pressure control

1108005 Injection kit for A1 panel

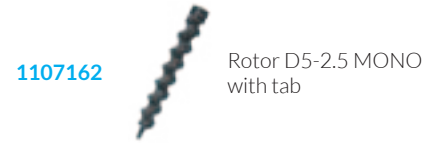
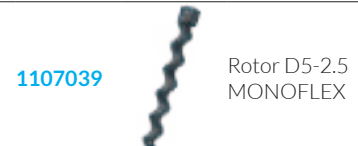
- Pressure control group with adjustable pressure switch 0.5-5 bar
- Small 50 gun with 1 house connections hose deflector Ø 16
- 10 m material hose Ø 25 with camlock coupling
- 5 m material hose Ø 25 with camlock coupling
- 1 nozzle cleaner and 1 sponge Ø 30

1108009 Remote control extension 15 m for A1 switch board

D5 - 2.5 Purple

- ➔ Recommended for:
- Lime / cement based plasters
 - Stucco
 - Structural plasters, even fiber-reinforced
 - Restorative plasters
 - Binders / mortars for injections
 - Structural reinforcement mortars
 - Fireproofing

Pressure (bar) 25
Maximum grain size (mm) 4
Flow (l / min) 17 at 300 rpm



D8 - 1.5 Green

- ➔ Recommended for:
- Grout / Core-fill Grout
 - Structural reinforcement mortars
 - Self-levelling cement-based screeds
 - Self-levelling anhydride-based screeds
 - Polystyrene based thermal insulating screeds
 - Insulating plasters based on polystyrene or cork
 - Fireproofing

Pressure (bar) 15
Maximum grain size (mm) 5
Flow (l / min) 26



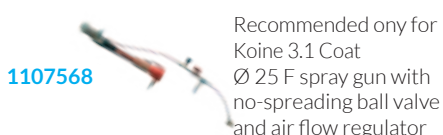
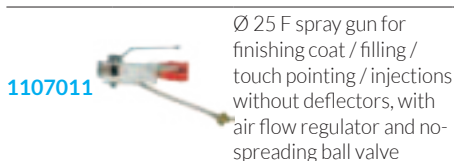
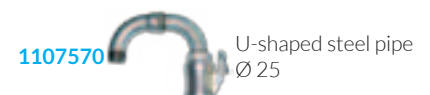
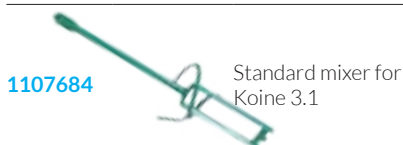
D4 - 1/2 Lemon Yellow

- ➔ Recommended for:
- Glues for coatings

Pressure (bar) 25
Maximum grain size (mm) 3
Flow rate (l / min) 9



Accessories for customized setups **KOINE 3.1**



Accessories for customized setups **KOINE 3.1**

1107551

10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster

1107557

5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster

1107552

10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster

1107558

5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster

1107553

10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster

1107559

5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster

1107554

10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster

1107560

5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster

1107690



C400 piston compressor
230 / 50Hz 2.2 kW

➔ Recommended for:

- Adhesives for thermal insulating coatings
- Smoothing compounds for plaster
- Smoothing compounds for decorative finishing with silicates or quartz
- Waterproofing also fiber-reinforced
- Solvent-free paints

1108007



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

1107691



IM250 diaphragm compressor
230V / 50Hz 0.75kW

➔ Recommended for:

- Mortars for structural reinforcement, cement / lime base
- Restoring / dehumidifying mortars for masonry walls
- Lime / cement / gypsum based plasters
- Insulating plasters based on polystyrene or cork
- Mortars to protect structures from heat

1108008



Remote control 16 m for A1 switch board

1108009



Remote control extension 15 m for A1 switch board

1107525

Material hose Ø 25 - 15 m with camlock coupling

1107532

Air hose Ø 13 - 16 m with quick couplings

1107526

Material hose Ø 25 - 10 m with camlock coupling

1107527

Material hose Ø 25 - 5 m with camlock coupling

1107531



Air hose Ø 13 - 10 m with quick couplings

1107528

Material hose Ø 35 - 10 m with camlock coupling

1107074

Material hose Ø 25 M35 / M25 L5 m with camlock coupling

1107530

Air hose Ø 13 - 5 m with quick couplings

1107087



Cleaning kit for Ø 35 hoses
Accessory for cleaning Ø 35 hoses with air or water

1107565



Camlock coupling adapter
Ø 35 F - Ø 25 M

1107103

Cleaning kit for Ø 25 hoses
Accessory for cleaning Ø 25 hoses with air or water

1107519



Kit 10 pcs sponge balls for cleaning Ø 25 hoses

1107520



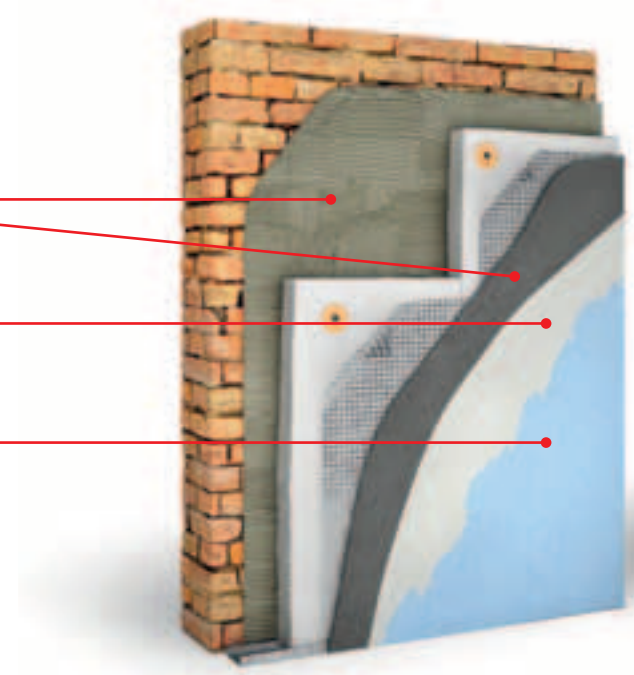
Kit 10 pcs sponge balls for cleaning Ø 35 hoses

THERMAL INSULATION COATINGS

Ready-to-use base skim coat in pot to be poured into the hopper.

Premixed skim coat in bag mixed directly in the machine.

Potted siloxane or quartz finish coating to be poured into the hopper.

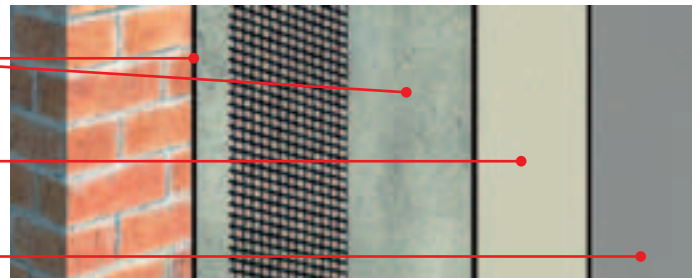


STRUCTURAL REINFORCEMENTS IN THICKNESS OR LOW THICKNESS

Premixed skim coat in bag mixed directly in the machine or premixed two-component products poured into the hopper.

Ready-to-use base skim coat in pot to be poured directly into the hopper.

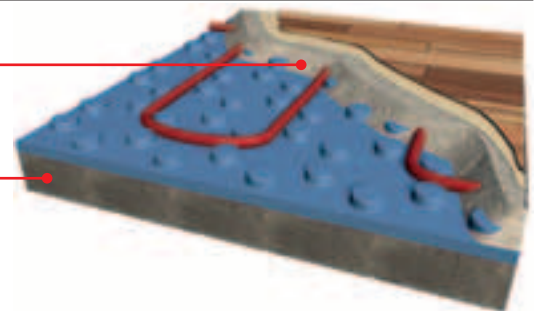
Siloxane or quartz finish coating contained in pot to be poured into the hopper.



SELF-LEVELLING UNDERLAYMENTS ALSO FOR HEATED FLOORS

Premixed self-levelling underlay in bag mixed directly in the machine

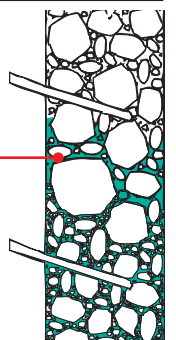
Pre-mixed polystyrene-based thermal insulating substrate mixed directly in the machine



CONSOLIDATION INJECTIONS

Pre-mixed slurry or micro grouts poured into the hopper (recommended system for wall consolidation injections).

Grout or micro grout mixed directly in the hopper (recommended system for anchoring or in any case where the quantities of injected product are significant).

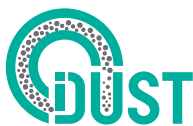


STEP 120 three-phase

Eccentric screw mortar pump

Step 120 400V / 50Hz Tph 2 speed - 3.6 / 4.8 kW
1106091

Planetary mixer 400V / 50Hz Tph 1.1 kW
1107573



C310 piston compressor, integrated and protected under the cover. Electrically excludable via On / Off button, when not needed.



The generous sized agitator shaft located inside the hopper allows the material to move when the machine starts working again after a long stop with the material inside, preventing segregation.

Description

The three-phase Step 120 mortar pump is engineered to handle multiple applications. It is suitable for pumping or spraying:

- Traditional lime / cement plasters (Standard version)
- premixed / pre-dosed cement / lime based plasters (also colored)
- premixed / pre-dosed structural plasters
- premixed / pre-dosed restorative plasters
- Insulating plasters based on polystyrene or cork
- Mortars for fiber-reinforced
- Masonry mortar
- Binders / mortars for consolidation injections
- Filling concrete with metal fibers / polypropylene / carbon / glass
- Fiber-reinforced concrete (grain size max. 12 mm)
- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds
- Fireproofing
- Refractory mortars (only for wet application)
- Mortar for fill core grout or grouting (max grain size 12 mm)
- Fiber-reinforced concrete (max grain size 12 mm)
- Self-levelling screeds with a maximum flow rate of 6 mc / h
- Shotcrete until 12 mm grain size

The low loading height of the hopper allows it to be load by any type of external mixer:

- Planetary mixer series "MIX"
- Continuous mixer "SPIN 30"
- Concrete mixer series "SYNTESI"

For greater compactness and ease of handling, the planetary mixer to be integrated into the machine is available as an accessory.

Operation

The mixture prepared in the mixer is poured directly into the hopper through a vibrating grid that filters out any inert material of excessive size. The material is sucked by the eccentric screw pump and pushed into the hose until it reaches the opposite end where the spray gun is located.

The air is provided by the standard integrated compressor projects the material through the gun onto the application area. The machine can be started and stopped directly via the air tap located on the spray gun.

In the case of filling mortars / grouts or self-levelling screeds, "open hose" is used. For these applications, the On / Off wired remote control is available as an optional accessory.

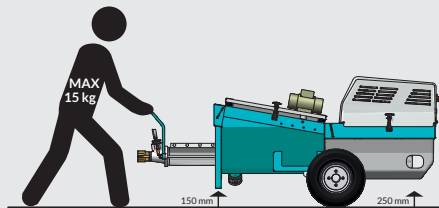
Equipped with an exclusive IMER IM25L pumping unit capable of satisfying most pumping and spraying needs. It can be further optimized for specific needs, due to a wide range of optional accessories.

Step 120 three-phase offers two pumping speeds to adapt the pump to different applications.

In some applications where the quantities of material to be pumped are significant, the machine can be equipped with a high-performance pumping unit and loaded directly by a concrete mixer or dumper.



Essential electrical panel with rotation direction selector, double speed selector of the eccentric screw and missing grid warning light and power line presence.



Extremely handy and light. Easy to move on construction sites thanks to the considerable ground clearance in the displacement position. 15 kg (with mixer on board) is the maximum weight it reaches when the operator moves it to the construction site.

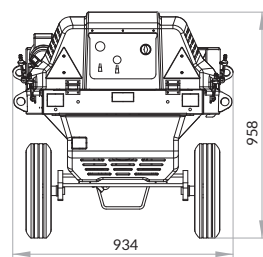
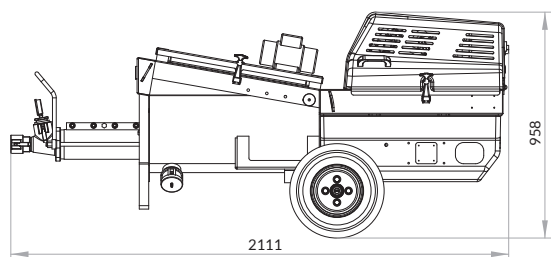
Standard equipment (Cod. 1106091 400V/50Hz)

Power supply panel
IM25L stator and rotor
Gun for traditional / premixed plaster
Vibrating grid
Compressor 310l / min.
30 m (20 + 10) Ø 35 material hose
Air hose 31 m Ø 13
Hose holder band
Accessory box
Accessory for cleaning material hose by air or water
Sponge balls for washing hoses DN35
Power cable 20 m
Remote control predisposition
Ø 50 hose connection (Ø 35 adapter in the hose)
Solid rubber wheels

Technical data

Version	-	with mixer	without mixer
Motor power	kW	3.6 to 1 speed/4.8 to 2 speeds	3.6 to 1 speed/4.8 to 2 speeds
Mixer motor power	kW	1.1	-
Electric piston compressor	-	2.2 kW - 310 l/min	2.2 kW - 310 l/min
Grain size (IM 25L)*	mm	8	8
Flow rate*	l/min	17/35	17/35
Pumping distance*	m	60	60
Pumping height*	m	20	20
Hopper capacity	l	120	120
Hopper loading height	mm	-	700
Mixer capacity	l	120	-
Mixer loading height	mm	1300	-
Dimensions w / l / h	mm	934/2111/1273	934/2111/958
Machine weight	kg	404	280
Packed machine dimensions w / l / h	mm	1000/1650/1600	1000/1650/1100
Packed machine weight	kg	460	340

(*) 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 hose used.





STEP 120 DUAL is a **NEW GENERATION** eccentric screw mortar pump, extremely handy and light, with variable speed. **SMART LINK TECHNOLOGY:** the machine configures itself automatically according to the available power supply (**single-phase or three-phase**) and to the available electric power **from 3 to 8 kW**. The **INVERTER** optimizes the management of the motors and allows the management of electrical system

faults and material blocks. **IoT INTERCONNECTION**, with standard **Bluetooth** and **IMERCONNECT** app for machine monitoring and data download. **INTEGRATED SELF-DIAGNOSTICS**, with always available data: consumption/ hours of operation/absorption/status of the machine parts. Optional planetary mixer for greater compactness and ease of handling. **“3D - Printing” ready**.

- **SMART LINK: SELF-CONFIGURATION OF THE MACHINE ACCORDING TO THE AVAILABLE POWER SUPPLY (SINGLE-PHASE OR THREE-PHASE) AND TO THE AVAILABLE ELECTRIC POWER FROM 3 TO 8 KW**
- **IOT INTERCONNECTION FOR MACHINE MONITORING AND DATA DOWNLOAD BY BLUETOOTH AND IMERCONNECT APP**

- **INTEGRATED SELF-DIAGNOSTICS: SIMPLE AND INTUITIVE CONTROL PANEL WITH DIAGNOSTIC INFORMATION ALWAYS AVAILABLE FOR THE USER**
- **“3D - PRINTING” READY: MACHINE READY TO BE CONTROLLED BY EXTERNAL PROGRAMMABLE LOGIC CONTROLLER (PLC) FOR CONSTRUCTION 3D PRINTING (C3DP)**

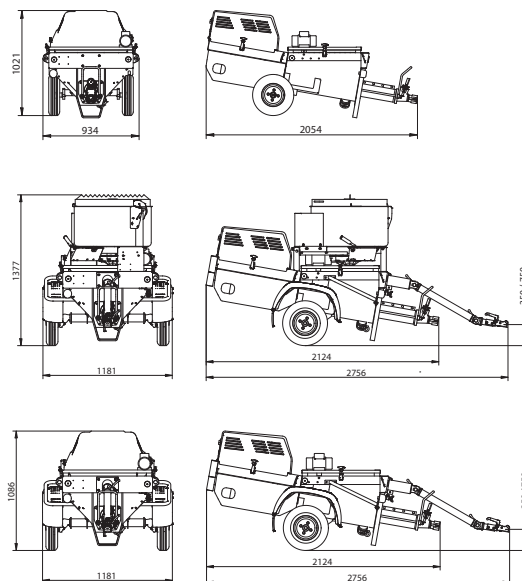
Technical data		With Mixer	Without Mixer
Power supply	-	400V three-phase 230V single-phase	400V three-phase 230V single-phase
Motor power	kW	4.8	4.8
Mixer motor power	kW	1.4	-
Electric compressor	-	2.2kW - 400 l/min	2.2kW - 400 l/min
Grain size (IM25L and 35 mm hoses)	mm	8	8
Flow rate (IM25L and 35 mm hose)*	l/min	from 0 to 35	from 0 to 35
Pumping distance*	m	60	60
Pumping height*	m	20	20
Hopper capacity	l	120	120
Hopper loading height	mm	-	700
Mixer capacity	l	120	-
Mixer loading height	mm	1300	-
Dimensions w/l/h	mm	934/2111/1273	934/2111/958
Machine weight	kg	404	280
Packed machine dimensions w/l/h	mm	1000/1650/1600	1000/1650/1100
Packed machine weight	kg	460	340

* 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 hose used.

	230V60Hz Tph	230V60Hz Tph	230V60Hz Tph	400V 60Hz Tph	400V50Hz Tph	400V50Hz Tph	400V50Hz Tph	400V50Hz Tph	400V50Hz Tph	400V50Hz Tph
	1106181	1106086	1106055	1106087	1106091	1106089	1106074	1106057	1106176	1106044
	STEP UP	STEP UP	STEP 120 R+M	STEP 120	STEP 120	STEP 120 F	STEP 120	STEP 120 Grouting	STEP 120 FPROOF	STEP 120 GRM
	Basis for customizations	Standard	Standard Towable with mixer	Standard	Standard	Conventional Mortar long distance pumping	Conventional Grouting	Premix Grouting Hi-Flow	Fireproofing	Standard Towable with mixer
Planetary mixer			✓						✓	✓
Predisposition for optional planetary mixer		✓		✓	✓	✓	✓	✓		
Towable on road (European approval)	✓		✓							✓
Rigid axle and solid rubber wheels		✓		✓	✓	✓	✓	✓	✓	
Vibrating sieve		✓		✓	✓	✓	✓			✓
Grid for premixed materials	✓		✓					✓	✓	
IM25L pumping unit	✓	✓	✓	✓	✓	✓	✓		✓	✓
1.5 L7 Pumping unit (4.2Mc/h)								✓		
310 l/min Air piston compressor		✓	✓	✓	✓	✓			✓	✓
Predisposition for optional 310 l/min piston air compressor	✓									
Spray gun Ø 35		✓	✓	✓	✓	✓				✓
Spray gun Ø 25, 1.43m long with anti- spreading valve and air flow control.									✓	
Flat duse Ø12 and Ø14		✓	✓	✓	✓	✓			✓	✓
Conical deflectors Ø 14 and Ø 16		✓	✓	✓	✓	✓			✓	✓
Ø13 air hose with quick couplings		20m + 10m	20m+10m	20m +10m	20m + 10m	20m+10m			20m+10m +5m	20m + 10m
Ø25 material hose with Ø35M - Ø25M fittings L5m									✓	
Ø35 material hose with MF cam fittings	10m	20m + 10m	10m+10m+10m	20m + 10m	20m + 10m	20m	20m + 10m		20m + 10m	20m + 10m
Ø50 material hose with MF cam fittings						10m		20m + 10m		
Conical reduction with cam connection Ø50M - Ø35F	✓	✓	✓							
Sponge ball for washing hoses Ø 35	✓	✓	✓	✓	✓	✓	✓		✓	✓
Sponge ball for washing hoses Ø50						✓		✓		
Wired remote control L 37m							✓	✓		
Predisposition for wired remote control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Electric box with control panel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Electric power cable L20 m	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Electric motor 3,6/4,8 kw	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hose support band	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hoses cleaning accessory with compressed air or water	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Accessory box	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hopper loading height (mm)	700	700	1377	700	700	700	700	700	1377	1377
Dimensions w / l / h (mm)	1181/2124/1086	934/2054/1021	1181/2124/1377	934/2054/1021	934/2054/1021	934/2054/1021	934/2054/1021	934/2054/1021	934/2054/1300	1181/2124/1377
Machine weight (Kg)	240	280	400	280	280	280	240	262	390	400

STEP 120 Road Towing

European approval



Technical data

		Step 120 Towable on the road	
Towing ball hitch Ak 160b	mm/inc	50 - 2	50 - 2
Tubeless tires	Inc	4.8/4.00-8	4.8/4.00-8
Maximum speed limit	Km/h	130	130
Lighting system power supply	Volts	12 - 13.8	12 - 13.8
Car trailer round connection 7 pin	D/mm	36	36
Hopper / Mixer loading height	mm	1377	700
Dimensions w / l / h	mm	1181/2124/1377	1181/2124/1086
Machine weight	Kg	400	290
Packed machine dimensions w / l / h	mm	1181/1195/1650	1181/1195/1050
Packed machine weight	Kg	460	350

WEIGHT AND MEASURES STEP 120 PACKED

Code	Model	Packed machine weight	Packed machine dimensions w / l / h (mm)
1106181	STEP UP 230V 60Hz Tph	260 kg	1181 / 1995 / 1100
1106086	STEP UP 230V 60Hz Tph	340 kg	934 / 1650 / 1100
1106055	STEP 120 R+M 230V 60Hz Tph	460 kg	1181 / 1995 / 1650
1106087	STEP 120 400V 60Hz Tph	340 kg	934 / 1650 / 1100
1106079	STEP 120 400V 60Hz Tph	290 kg	934 / 1650 / 1100
1106091	STEP 120 400V 50Hz Tph	340 kg	934 / 1650 / 1100
1106089	STEP 120 F400V 50Hz Tph	340 kg	934 / 1650 / 1100
1106074	STEP 120 400V 50Hz Tph	290 kg	934 / 1650 / 1100
1106057	STEP 120 400V 50Hz Tph	325 kg	934 / 1650 / 1100
1106176	STEP 120 FPROOF 400V 50Hz Tph	450 kg	934 / 1650 / 1600
1106044	STEP 120 GRM 400V 50Hz Tph	460 kg	1181 / 1995 / 1650
1106054	STEP 120A 230V 60Hz Tph	350 kg	1181 / 1995 / 1100
1106094	STEP 120A 400V 50Hz Tph	360 kg	934 / 1650 / 1100

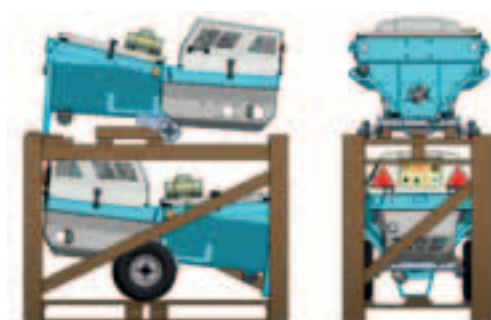
Please note: weights estimated with a tolerance of 5%.

Wood crate for superposing No.2 Step 120 without mixer

Dimensions of the wooden case w / l / h	(mm)	1250 / 1750 / 1000
Weight of the wooden crate	Kg	100
Packaging dimensions w / l / h	(mm)	2030 / 1750 / 1000
Packaging weight	Kg	According to the model

Can be used with the following STEP 120 models

1106086	STEP UP230V60Hz Tph	1106089	STEP 120 F400V50Hz Tph
1106087	STEP 120 400V 60Hz Tph	1106074	STEP 120 400V50Hz Tph
1106079	STEP 120 400V 60Hz Tph	1106057	STEP 120 400V50Hz Tph
1106091	STEP 120 400V 50Hz Tph	1106094	STEP 120A 400V50Hz Tph



Optional accessories for customized setups **STEP 120** three-phase

<p>Particularly suitable for mixing all pumpable products with the Step 120 three-phase.</p>	<p>1107573</p>		<p>Three-phase mixer 400V / 50 Hz 1.1 kW</p>
	<p>1107509</p>		<p>Three-phase mixer 230V / 50 Hz</p>
<p>Particularly suitable for mixing:</p> <ul style="list-style-type: none"> • Mortars for protecting metal structures from fire • Binders / mortars for consolidation injections • Waterproofing seal 	<p>1107618</p>		<p>Mixer rubber paddles</p>
<p>To be used with all pre-dosed or premixed products. Indispensable in the case of fiber-reinforced products</p>	<p>1108018</p>		<p>Premixed grid for Step 120 with mixer 1107573</p>
<p>Specific use in combination with the 1.5 L7 pumping unit for pumping concrete up to 12 mm</p>	<p>1107569</p>		<p>Step 120 three-phase vibrating screen passage 12 mm</p>
<p>Exclusive accessory for customizing STEP UP 120 230V60Hz TPH Code 1106181 Spray mortar applications</p>	<p>1107585</p>		<p>Kit Air piston compressor 310 l/min 230V / 60Hz Tph</p>

Setups for specific applications **STEP 120** three-phase

A



- Cement / lime based premixed / pre-dosed plasters

1107074 Ø 25 Hose 5 m M35M25 (gun adapter Ø25)

1107530 Air hose Ø 13 - 5 m with quick couplings

1107540 Ø 25 F spray gun for traditional /premixed plaster with Ø14 duse

1107569 Premixed grid (use only for premixed or pre-dosed products)

1107519 10 pieces sponge kit for cleaning hose Ø 25

B



- Premixed / pre-dosed plasters based on cement / lime / Colored plaster

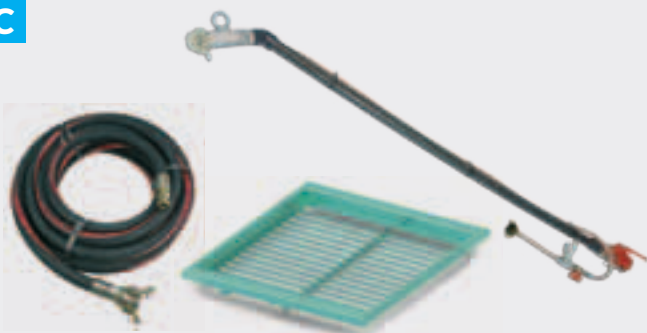
1107074 Ø 25 Hose 5 m M35M25 (gun adapter Ø25)

1107530 Air hose Ø 13 - 5 m with quick couplings

1107568 Ø 25F spray gun with no spreading ball valve and air flow regulator

1107569 Premixed grid (use only for premixed or pre-dosed products)

1107519 10 pieces sponge kit for cleaning hose Ø 25

C

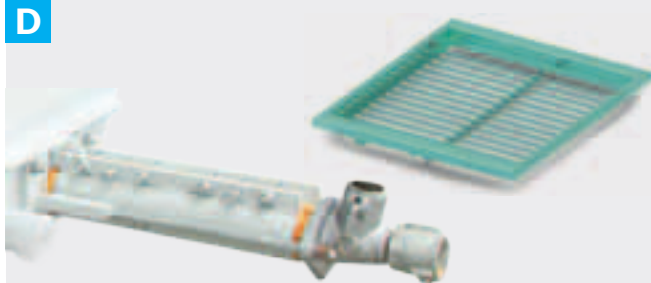
- Fireproofing
- Cement / lime based premixed / pre-dosed plasters

1107074 Pt pipe Ø 25 5m M35M25 (gun adapter Ø25)

1107549 Elongated gun Ø25 1.43 m with no spreading ball valve and air flow control

1107569 Premixed grid (use only for premixed or pre-dosed products)

1107519 10 pieces sponge kit for cleaning hose Ø 25

D

➔ Recommended for pumping at distances greater than 40 m with Ø 35 guns and accessories supplied or Ø 25 Spry gun.

Flow rate 0.8- 1.6 mc / h, pressure 30 bar, maximum grain size 6 mm.

- Binders / mortars for consolidation injections (low flow high pressure)
- premixed / pre-dosed plasters based on cement / lime / Colored plaster
- premixed / pre-dosed structural plasters
- premixed / pre-dosed restorative plasters
- Fiber-reinforced reinforcement mortars (for pumping over long distances)

1107088 2L6 pumping kit

1107569 Premixed grid (use only for premixed or pre-dosed products)

E

➔ Recommended for open hose pumping.

High flow rates 2.2-4.5 mc / h, pressure 20 bar, maximum grain size 10 mm

- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds

1107090 60.12 pumping kit

1107533 10 m Ø 50 material hose with cam Camlock connection

1107534 20 m Ø 50 material hose with cam Camlock connection

1107569 Premixed grid (use only for premixed or pre-dosed products)

1107521 Kit of 10 sponges for washing Ø50 tube

F

➔ Recommended for free tube pumping.

High flow rates 4.2 mc / h (used only in first speed), pressure 15 bar, particle size 12 mm, agitator shaft included.

- Grouting grain size max 12 mm
- Grouting with metal fibers / polypropylene / carbon / glass
- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds

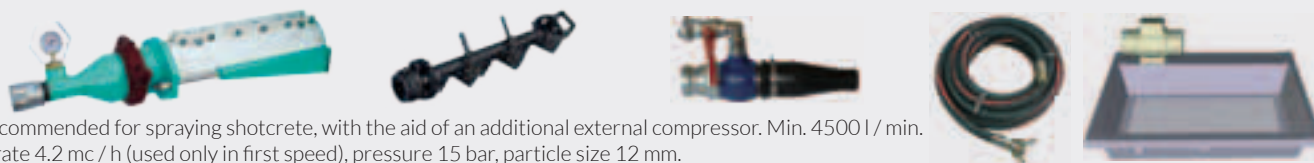
1107660 1.5 L7 pumping kit

1107533 10 m Ø 50 material hose with cam connection

1107534 20 m Ø 50 material hose with cam connection

1107569 Grid for premixed materials

1107521 Kit of 10 sponges for washing Ø50 tube

G

➔ Recommended for spraying shotcrete, with the aid of an additional external compressor. Min. 4500 l / min. Flow rate 4.2 mc / h (used only in first speed), pressure 15 bar, particle size 12 mm.

1.5 L7 pumping kit

- Stator 1.5 L7
- Rotor 1.5 L7

1107660

- Agitator shaft complete with rubber joints and pins
- Material manifold complete with tie rods and support flange
- Victaulic joint with seal
- Reduction cone with pressure gauge camlock connection Ø50

1107533 10 m Ø 50 material holder tube with cam connection

1107534 20 m Ø 50 material holder tube with cam connection

1106250 Shotcrete gun Ø 50-2 way

1107046 Step 120 three-phase vibrating screen passage 12 mm

1107521 Kit of 10 sponges for washing Ø50 tube

Stators and Rotors

IM 25L Blue

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement / lime / colored plaster
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Insulating plasters based on polystyrene or cork
- Fiber-reinforced mortar
- Masonry mortars
- Binders / mortars for consolidation injections
- Filling grout also with metal / polypropylene / carbon / glass fibers
- Concrete also fiber-reinforced (Max grain size 8 mm)
- Lightweight polystyrene-based screeds
- Fireproofing
- Refractory mortars (wet only)
- Self-levelling screeds with a maximum flow rate of 2.1 mc / h (three-phase Step)
- Shotcrete application with a maximum flow rate of 2.1 mc / h (three-phase Step)

1107110



Stator
IM 25L
CLAMP

1107111



Rotor
IM 25L

Step 120 three-phase

Pressure 15 bar

Maximum grain size 8 mm

Flow rate 17 - 35 l / min

Step 120 single-phase

Pressure 15 bar

Maximum grain size 8 mm

Flow rate 4 - 20 l / min

2L-6 Yellow

➔ Recommended for pumping with Ø 35 and Ø 25 guns and accessories of:

- Binders / mortars for consolidation injections (low flow high pressure)
- Premixed / pre-dosed plasters based on cement / lime / Colored plaster
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Fiber-reinforced mortars (for pumping over long distances)

1107077



Stator 2L-6

1107078



Rotor 2L-6

Step 120 three-phase

Pressure 30 bar

Maximum grain size 6 mm

Flow rate 13 - 27 l / min

1.5 L7 White

➔ Recommended for free tube pumping:

- Grout Core-fill grout max. grain size 12 mm
- Grout with metal / polypropylene / carbon / glass fibers
- Self-levelling cement / anhydride based screeds
- Light weight polystyrene-based screeds
- Refractory mortar (wet application only)
- Shotcrete

1107219



Stator 1.5 L7
CLAMP

1107218



Rotor 1.5 L7

Step 120 three-phase

Pressure 15 bar

Maximum 12 mm grain size

Flow rate 70 l / min (only in first speed)

60.12 / 2L74 Yellow

➔ Recommended for open hose pumping.

- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds

Step 120 three-phase

Pressure 20 bar

Maximum 8-10 mm grain size

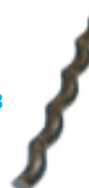
Flow rate 38 - 75 l / min

1107081



Stator 60.12
CLAMP

1107083



Rotor 60.12

Step 120 A


Pressure 20 bar

Maximum 8-10 mm grain size

Flow rate 117 l / min

Common accessories **STEP 120** single-phase / three-phase

Spray guns and nozzles

1107568		<p>Ø 25 F spray gun with no-spreading ball valve and air flow regulator</p> <ul style="list-style-type: none"> • Premixed / pre-dosed plasters based on cement / lime / Colored plaster (Monokote) • Fireproofing
1107577		<p>Ø 35 M spray gun for traditional plasters / premixed / stucco</p> <p>➔ Recommended for spraying:</p> <ul style="list-style-type: none"> • Insulating plasters based on polystyrene or cork • Mortars for fiber-reinforced reinforcement • premixed / pre-dosed structural plasters • premixed / pre-dosed restorative plasters • Traditional lime / cement plasters
1107549		<p>Ø 25 F spray gun, 1.43 m long for fireproofing and premixed plaster</p> <ul style="list-style-type: none"> • Premixed / pre-dosed plasters based on cement / lime / colored plaster (Monokote) • Fireproofing
1106250		<p>Shotcrete gun without additive inlet - Ø 50 Camlock coupling and air inlet with 1/2" quick connection</p> <p>➔ The use of the pumping unit 1.5 L7 and hoses is recommended</p> <ul style="list-style-type: none"> • Shotcrete
1107011		<p>Ø 25 F spray gun for finishing coat / filling / touch pointing / injections without deflectors, with air flow regulator and no-spreading ball valve</p> <p>➔ Recommended for:</p> <ul style="list-style-type: none"> • Finish for thermal insulating coatings • Waterproofing seal (only for large surfaces) • Adhesives for thermal insulation coatings
1107604		<p>Deflectors kit 5-6-8-12-16 hardened steel</p>
1107566		<p>Kit 3 deflectors with hose nozzle Ø 16</p> <p>➔ Recommended for:</p> <ul style="list-style-type: none"> • Mortars filling grout • Adhesives for thermal insulating coatings (laying glue on panel)
1107499		<p>Conical tube gun for spacing Ø 25</p> <p>➔ Recommended for:</p> <ul style="list-style-type: none"> • Filling grout or tuckpointing
1107570		<p>U bend steel pipe Ø 25</p> <p>➔ Recommended for:</p> <ul style="list-style-type: none"> • Core fill grout

Deflectors

1107551		<p>10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster</p>	1107557		<p>5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster</p>
1107552		<p>10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster</p>	1107558		<p>5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster</p>
1107553		<p>10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster</p>	1107559		<p>5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster</p>
1107554		<p>10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster</p>	1107560		<p>5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster</p>
1107561		<p>Kit 3 deflectors Ø 5 hardened steel for finishing coat and decorative plaster</p>	1106251		<p>Deflectors for shotcrete gun, without additive inlet</p>
1107562		<p>Kit 3 deflectors Ø 6 hardened steel for finishing coat and decorative plaster</p>			
1107563		<p>Kit 3 deflectors Ø 8 hardened steel for finishing coat and decorative plaster</p>			
1107564		<p>Kit 3 deflectors Ø 12 hardened steel for fills deep spaces by spraying the mortar</p>			

Common accessories **STEP 120** single-phase / three-phase


1108013  A1 (AMPHENOL) Accessory Adapter: 1108007, 110806, 1108009 and 1108008 on the previous version "R2" control panel


1108017  Accessory adapter for panel R2 to the control panel A1 (AMPHENOL)

1108014  **Binders / mortars for injection at automatically controlled pressure from 0.5 to 5 bar**
Amphenol 230V / 400V injection device kit

- Pressure gauge + pressure switch group
- Spray gun
- 1 deflector with Ø 16 hose connector
- 5 m Ø 25 material hose with cam couplings
- 1 nozzle cleaner
- 1 washing sponge for Ø 25 tube
- Material hose (5 m) with Ø 25 Ø 35 connections
- Electric remote control with 16 m cable
- Remote control extension (15 m)

1108008  Remote control 16 m for A1 switch board

1108009  Remote control extension 15 m for A1 switch board

1108007  Pressure control unit with adjustable pressure switch 0.2-5 bar for A1 switch board

Hoses extension

1107528  Material hose Ø 35 - 10 m with camlock coupling

1107533  Material hose Ø 50 - 10 m with camlock coupling

1107534  Material hose Ø 50 - 20 m with camlock coupling

Hoses extension with reduction couplings

1107074  Material hose Ø 25 M35 / M25 L5 m with camlock coupling

1107075  Material hose Ø 35 M50 / F35 L20 m with camlock coupling

1106178  Camlock coupling adapter Ø 35 F - Ø 50 M

Air hose extensions

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

1107046  Step 120 three-phase vibrating screen passage 12 mm
Specific use in combination with the 1.5 L7 pumping unit for pumping concrete up to 12 mm

Hoses cleaning accessories

1107104  Cleaning kit for Ø 50 hoses
Accessory for cleaning Ø 50 hoses with air or water

1107087  Cleaning kit for Ø 35 hoses
Accessory for cleaning Ø 35 hoses with air or water

1107103  Cleaning kit for Ø 25 hoses
Accessory for cleaning Ø 25 hoses with air or water

1107521  Kit 10 pcs sponge balls for cleaning Ø 50 hoses

1107520  Kit 10 pcs sponge balls for cleaning Ø 35 hoses

1107519  Kit 10 pcs sponge balls for cleaning Ø 25 hoses



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