



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



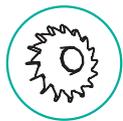
Three-phase



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

NEW KOINE 3.1

Ready for any challenge on the construction site

Suitable for the application of all the premixed products contained in the bag, with a particular aptitude for the application of fiber reinforced structural mortars, dehumidifying products, products for the application and finishing of thermal insulation panels and cement / gypsum / lime based putty. Koine 3.1 is transformed into a pump for ready-to-use smoothing products in paste (silica or quartz-based finishing and decoration mortars, injection slurries, mortars for tuckpointing etc.), by simply turning a switch in the control panel and adjusting the flow of material to your liking.

But that's not all: the new plastering machine is designed to be versatile and easy to use. The machine is not a simple restyling of an old project, but an innovative plastering machine that can also be used by the less experienced operator.



Display for diagnostic and operational indications



Safety sensor

in case of removal of the hopper grate or opening mixer motor

Easy Start

Advanced starting system of the plaster sprayer, without risk of blocking.

Easy handling

also on the most uneven terrain, thanks to the 300 mm wheels and an excellent balance of the machine.

HI-TECH HEART

Diagnostic technology has made enormous strides in recent years in all sectors. Imer has always followed this trend by developing ever more efficient machine-operator communication systems capable of making an apparently complex machine easily manageable for anyone who has to use it.

This technology applied to the Koine 3.1, combined with the exclusive Easy Start starting system and an extremely intuitive control panel equipped with a diagnostic and operational display, makes Koine 3.1 easier to use than all its competitors.

The machine is a single-phase plastering machine, which can work easily with only 3 kW of available power. It has small dimensions and weight (159 kg, complete with water pump and compressor), easily separable into four parts. It is also designed for all renovation works, where accessible spaces are restricted and the portability of equipment is of fundamental importance.



Two solutions to satisfy the most demanding users.

Imer IM250 diaphragm compressor 250 l / min removable on board the machine (Koine 3.1).

Fini VKM 402 piston compressor 400 l / min removable on board the machine (Koine 3.1 Coat).

Find out more details on page 20



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

KOINE 4 Hi-Flow

High flow continuous cycle mixing pump

50 Hz

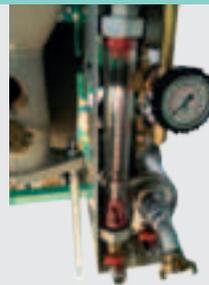
Koine 4 Hi-Flow 400V/50Hz Tph - 6.8 kW
1106320

60 Hz

Koine 4 Hi-Flow 230V/60Hz Tph - 6.8 kW
with I-Dust grate
1106004



R8 stator and rotor pumping unit and turbo mixer as standard. The standard turbo mixer is essential to improve mixing and ensure the homogeneity of the pumped products. Integrated pressure monitor and connection for Ø 35 F pipe.



Hydraulic system in anti-oxidation brass. Arrangement of the components designed to improve water drainage in winter. ING33 self-priming electropump, capable of 4.5 bar pressure and flow rate up to 2500 l/h, with stainless steel cap and brass impeller.

Description

High flow continuous cycle mixing pump, suitable for pumping large volumes of material in bags (up to 220 bags per hour).

Ideal for laying self-levelling screeds in bags with a minimum thickness of 2 cm.

Suitable for pumping dry premixed materials:

- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Structural reinforcement mortars
- Grout / Core-Filling Grout
- Cork / polystyrene based insulating screeds
- Fireproofing materials

The product must be poured into the hopper of the machine directly from the bags.

To limit the dust during use, it is recommended utilizing I-Dust grate item 1107491, connected to a powerful vacuum cleaner equipped with a cyclone filter for dust recovery. (Optional for 1106320 Koine Hi-Flow 400V 50Hz).

Operation

The bagged material is poured into the hopper, where a feeding wheel fills the mixing chamber continuously and constantly. The water necessary to obtain the mixture is injected into the mixing chamber by a stainless steel pump.

The water flow is kept constant through a particular stabilization system and controlled by a valve that starts or stops the flow if necessary.

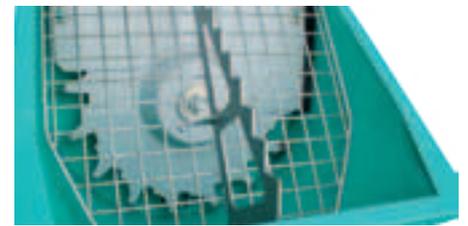
The amount of water in the mixture can be viewed in the flow meter and can be adjusted according to the needs through a micrometric valve.

The freshly mixed material is immediately sucked by the "Rotor-Stator" pumping system and is mixed a second time passing through the turbo mixer. Then it is pushed into the pipe until it reaches the opposite end to be laid.

Washing is simple, very fast and without water and material spilling in the work area. The only area that needs to be cleaned is the one where the mixture takes place. The unused dry material can remain in the hopper and be removed if necessary, by opening the appropriate discharge plug at the bottom of the hopper.

Koine 4 Hi-Flow is equipped with safety devices and devices for protecting electric motors from overloads with light signals:

- Correct line / phase presence
- Overload alarm (magnetothermic intervention)
- Presence of optimal water pressure
- Stand-by remote control status
- Self-resetting thermal protector intervention in the mixing motor



Hopper with grate and bag breaker (Standard version).



Practical toolbox.



Impact resistant square tubular frame.



A simple control panel and electrical system, designed to reduce the number of components and parts most subject to wear, significantly increasing reliability and longevity. Equipped with manual phase inverter with light signals for correct phase, overload alarm, optimal water pressure and stand-by remote control status.



Low voltage ON / OFF remote control, with 16 m cable as standard. Small, lightweight and ergonomic.

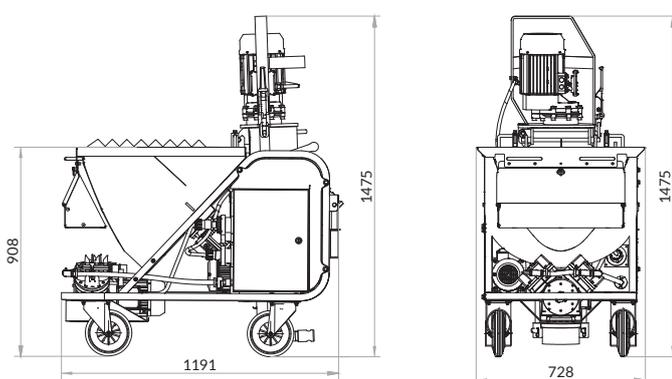
Standard Equipment

Stator and Rotor R8 - 1.5 (Black)
Material delivery pressure gauge
Feeding wheel gearmotor
Power supply and control panel
INGX3 stainless steel self-priming electropump
Brass water system with flow meter and with ANTIFREEZE discharge
40 m electric cable
40 m water hose Ø 19 mm
10 m material hose Ø 35 mm with quick couplings
Built-in accessory box
Cleaning accessories (scraper and sponge)
High efficiency turbo mixer
16 m on-off wire control
Rotor replacement wrench

Technical data

Power supply	-	400V/50Hz 230V/60Hz
Max installed power	kW	6.8
Mixing motor power	kW	5.5
Feeding wheel gearmotor power	kW	0.75
Electropump motor power	kW	0.55
Material flow*	l/min	80
Pumping distance*	m	60
Pumping height*	m	30
Hopper capacity	l	110
Loading height	mm	900
Sound pressure level	dB (A)	< 80
Dimensions w / l / h	mm	728/1191/1475
Machine weight	kg	250
Packed machine dimensions w / l / h	mm	840/1200/1250
Packed machine weight	kg	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.



Accessories for customized setups **KOINE 4 Hi-Flow**

R8-1.5 Black

➔ Recommended for:

- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Structural reinforcement mortars
- Grout / Core-Filling Grout
- Cork / polystyrene based insulating screeds

Pressure (bar) 15

Maximum grain size (mm) 5

Flow rate (l / min) 80

1107622



Stator R8 - 1.5

1107623



Rotor R8-1.5 with tab

R7-1.5 Mustard

➔ Recommended for:

- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Binders / mortars for injections
- Structural reinforcement mortars
- Grout / Core-fill Grout

Pressure (bar) 15

Maximum grain size (mm) 5

Flow rate (l / min) 60

1107624



Stator R7 - 1.5

1107664



Rotor R7-1.5 with tab

R7-2.5 Brown

➔ Recommended for:

- Self-levelling cement-based screeds
- Binders / mortars for injections
- Structural reinforcement mortars
- Grout / Core-fill Grout
- Fireproofing

Pressure (bar) 25

Maximum grain size (mm) 7

Flow rate (l / min) 60 at 400 rpm

1107668



Stator R7 - 2.5

1107667



Rotor R7 - 2.5 with tab

1107542



Standard mixer

1107541



Mixer for lightened materials

1107597



Mixer for self-levelling floor screeds

1107491



I-Dust grate and motor air flow diverter

1107680



Compressor IM 250 230V60Hz Tph

11070005



Premixed spray kit

1107640



Compressor IM250 400V/50Hz Tph

1107528



Material hose Ø 35 - 10 m with camlock coupling

1107570



U-shaped steel pipe Ø 25

1107074



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

1107087



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

1107519



Kit 10 pcs sponge balls for cleaning Ø 25 hoses

1107544

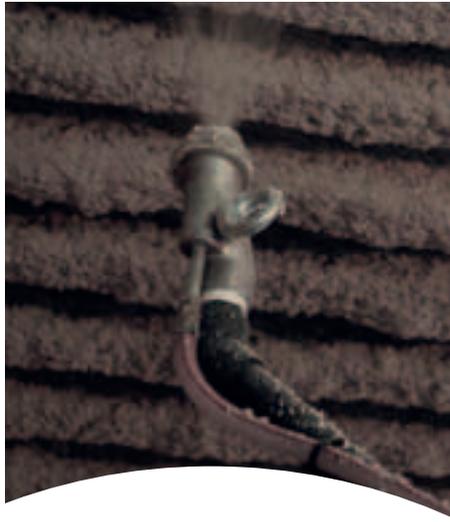


Remote control extension cable 15 m

1107520



Kit 10 pcs sponge balls for cleaning Ø 35 hoses





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