

STORM PLUS

Pneumatic conveying system for dry premixed mortars

Storm Plus 400V/50Hz Tph - 7.5 kW
1106300



Conveyor with
pneumatic valve



42V level probe



Forklift guides.
Single lifting hook.
Large-sized wheels (385 mm).



Folding handles
for easy handling.

Description

Long distance pneumatic conveying system for dry premixed mortars.
Suitable for pumping dry materials:

- Masonry mortars
- Lime and cement based plasters
- Gypsum based plasters
- Self-levelling screeds based on cement and anhydride (small quantities)
- Powder additives (generic use)

Ideal for transporting materials from the storage silo to the continuous cycle mixing pump, without dust emissions into the environment. It allows to keep the work area clean, without dispersion of materials. Unlike other similar products, it does not require operator supervision during work. It can only be used for 2 bar pressurized silos. Powerful and fully automatic, it is equipped with a self-diagnostic system and maintenance is minimized.

Storm Plus allows to reach high heights and distances and is equipped with the most advanced control systems during the pumping process.

It is able to independently monitor and manage:

- Selection of the direction of rotation at the first start
- Self-diagnostics with signaling of any anomalies of use
- Constant monitoring and automatic pressurization of the silo
- Constant monitoring of the material thrust pressure, to avoid blockages in the hoses
- Automatic monitoring of the emptying time of the hoses at the end of the loading
- Automatic system for emptying the hoses in the event of an electrical blackout

The revolutionary ICDLR 120 oil-free cflow compressor is capable of generating large quantities of air without the use of lubricating oils. Unlike normal compressors, periodic maintenance is limited to cleaning the air intake filter only.

Operation

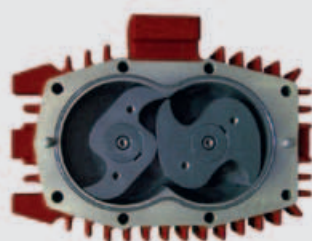
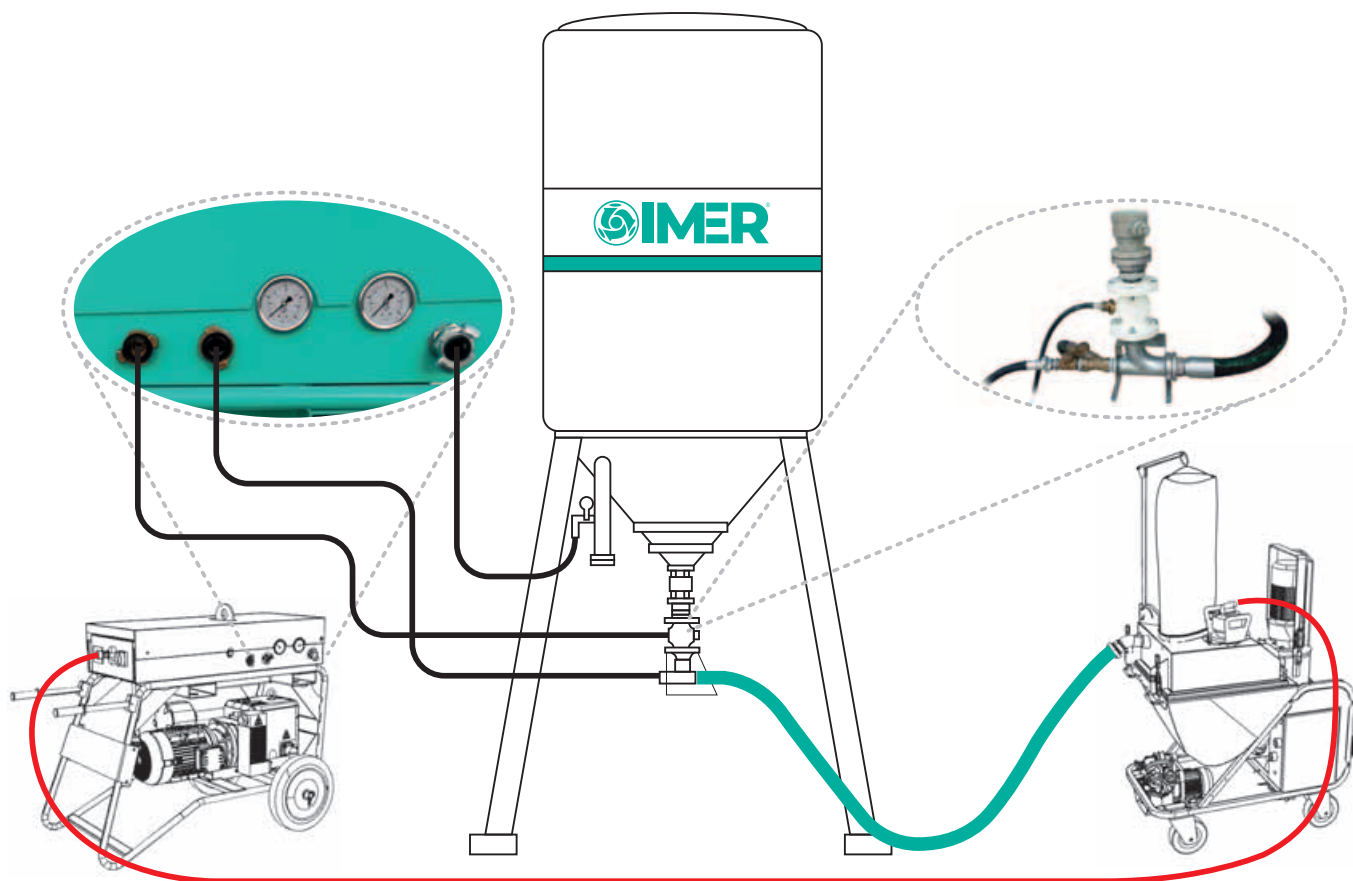
The conveyor complete with material opening and closing valve, connected to the Storm Plus via two hoses for compressed air, must be installed at the base of the silo. A third hose connects the Storm Plus to the silo for pressurization.

The blower hood complete with filter and level probe must be installed in the continuous cycle pump or mixer. The hoses equipped with quick couplings necessary for the transport of the material is connected by the conveyor under the silo to the blower hood installed on the pump / mixer. The level probe is connected to the Storm Plus through the electrical cable complete with plugs.

The sealed silo, where the premixed is contained, is pressurized up to about 1.8 bar. When the pump / mixer hopper is empty, the probe starts the compressor and opens the pneumatic valve, starting the transport of material. When the pump / mixer hopper is full, the probe closes the pneumatic valve, interrupting the material flow. After waiting for the hoses to be completely empty of material, it switches off the compressor and waits for the next load.

Storm Plus automatically monitors and restores the silo's internal pressure. To avoid clogging of the hoses, the air flow during the pump / mixer loading must always remain constant until the hoses are completely emptied. In the event of an electrical blackout during loading, the air flow would stop when the hoses are full of material. Storm Plus is equipped with an automatic emptying device for the hoses by recovering the air contained in the silo, which safely avoids the inconvenience.

At the end of the work it does not require cleaning. It will be sufficient to close the main valve of the silo and turn off the main switch in the control panel.



Oil-free clow compressor.
Maintenance reduced to the
cleaning of the air filter.



Fully automatic compressed air system:

- Air tank for pneumatic valve certified (CE)
- Automatic check and reset of silo pressure
- Continuous anti-clogging system
- Anti-clogging system in case of electrical blackout

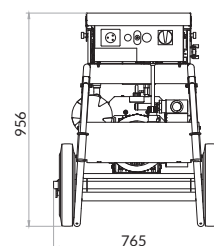
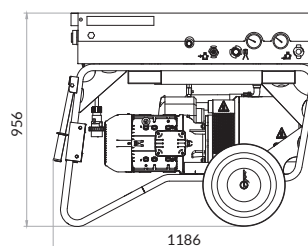
Standard Equipment

Essential and ergonomic control panel
Self-diagnostics with automatic phase selector
Automatic emptying system of the pipes in case of electrical blackout
Automatic anti-clogging system
Automatic control and pressurization of the silo
Clow compressor ICDLR 120
Level probe IPFG86 / 42TI
Conveying group complete with pneumatic valve Ø50 (2")
Cable for level probe 3X1 42V L50M with plugs
Electrical power cable H07RN-F4X4 + plugs 380V 32A L40m
Multitrex NW45 hose in PU-PVC spiral Ø45 L 50m (4 x L12.5 m) with Storz connections
Tightening wrenches for Storz connections
Material conveyor with pneumatic valve
Sturdy frame with cover for pneumatic and electrical parts
Large-sized wheels 385 mm for easy movement
Handles for handling
Central lifting hook
Lifting guides for forklift
Air hoses connected for machine / conveyor / silo connection (3 units)

Technical data

Power supply	-	400V/50Hz
Max installed power	kW	7.5
Control voltage	V	42
	kW	7.5
Clow compressor ICDLR 120	A	13.9
	Nm³/h	120
Max working pressure	bar	2
Control pressure	bar	3.5
Material flow rate*	m³/h	1.2
Pumping distance*	m	150
Pumping height*	m	60
Sound pressure level	dB (A)	< 80
Dimensions w / l / h	mm	765/1186/956
Machine weight	kg	265
Packed machine dimensions w / l / h	mm	800/1200/1700
Packed machine weight	kg	340

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



Accessories for customized setups **STORM PLUS**

1107500



Blower hood for Koine 4, Koine 35 and Koine Dual.
Complete with filter.
(Level probe not included)

1107490



Blower hood with double filter, oversized for hopper extension (+250 l), for Koine 4, Koine 35 and Koine Dual.
(Level probe not included)

1107615



Single filter blower hood for Spin 30 Plus
(Level probe not included)

1107538



Storz Free Flow rubber hose 16 bar
Ø 50 L 20 m

1107524



Multitrex NW45 hose in PU-PVC spiraled
L12.5 m Ø45 with Storz Free Flow
connections

1107614



Storz Free Flow rubber hose 16 bar
swivel fitting Ø50 L 20 m

1107523



Cable for level probe 3X1 42V L 50 m
with plugs

