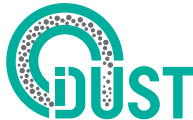


STORM PLUS

Pneumatic conveying system for dry premixed mortars

Storm Plus 400V / 50Hz - 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 pipe
- Automatic monitoring of the emptying time of the pipes at the end of the loading
- Automatic system for emptying the pipes in the event of an electrical blackout

The revolutionary ICDLR 120 oil-free cam 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

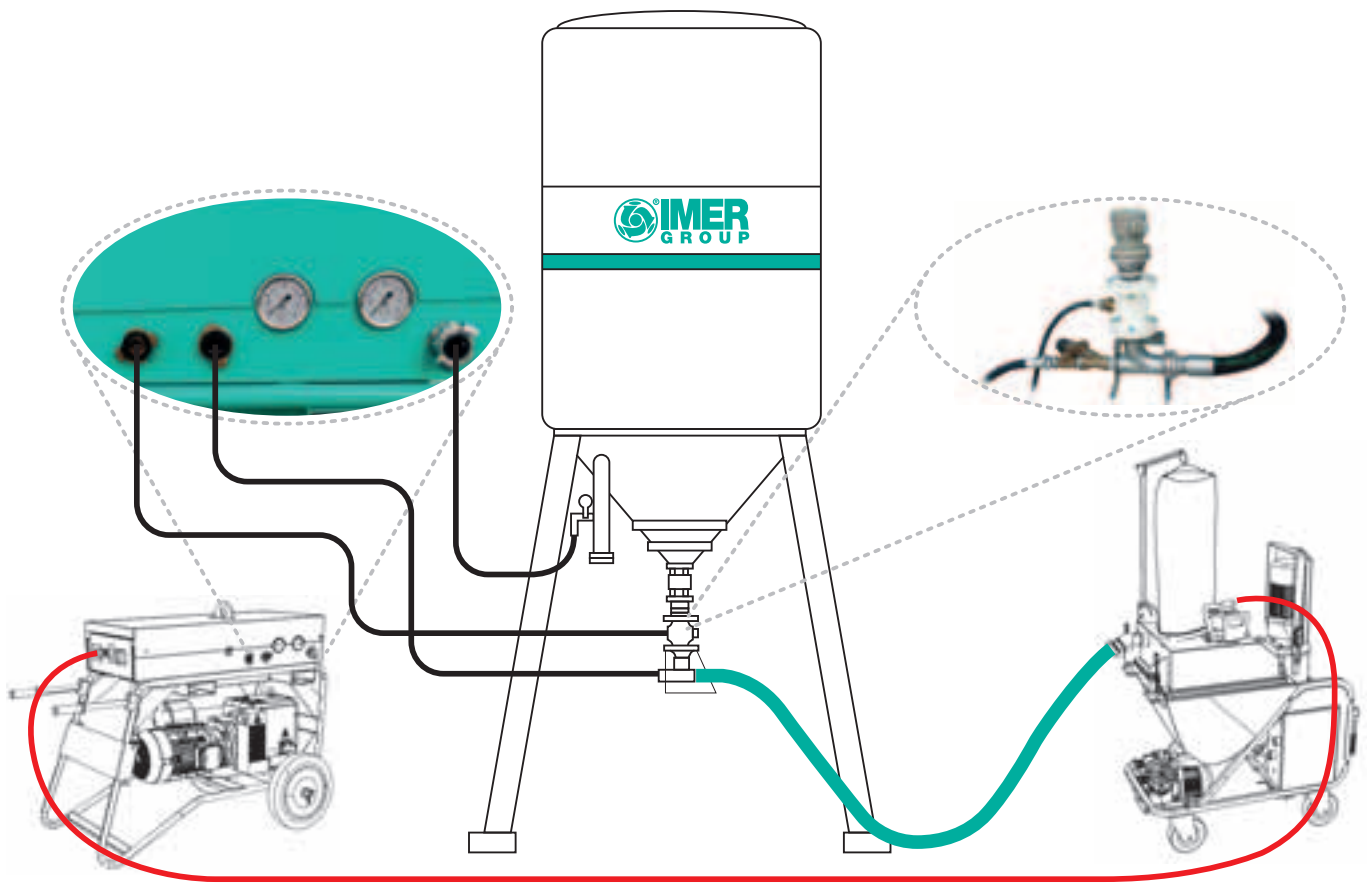
The conveyor complete with material opening and closing valve, connected to the Storm Plus via two pipes for compressed air, must be installed at the base of the silo. A third pipe connects the Storm Plus to the silo for pressurization.

The blower hood complete with filter and level sensor must be installed in the continuous cycle pump or mixer. The pipe 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 sensor 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 sensor starts the compressor and opens the pneumatic valve, starting the transport of material. When the pump / mixer hopper is full, the sensor closes the pneumatic valve, interrupting the material flow. After waiting for the tube 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 pipe, the air flow during the pump / mixer loading must always remain constant until the pipes are completely emptied. In the event of an electrical blackout during loading, the air flow would stop when the pipe is full of material. Storm Plus is equipped with an automatic emptying device for the pipes 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 cam 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

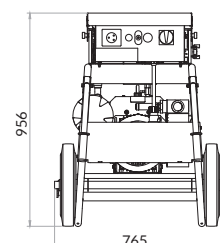
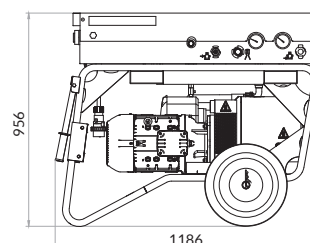
Standard Equipment

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|--|
| 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 |
| Cam compressor ICDLR 120 |
| Level sensor IPFG86 / 42TI |
| Conveying group complete with pneumatic valve DN50 (2") |
| Cable for level sensor 3X1 42V L50M with plugs |
| Electrical power cable H07RN-F4X4 + plugs 380V 32A L40m |
| Multitrex NW45 hose in PU-PVC spiral DN45 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 |
| Cam compressor ICDLR 120 | A | 13.9 |
| | Nm ³ /h | 120 |
| Maximum working pressure | bar | 2 |
| Control pressure | bar | 3.5 |
| Material flow rate* | m ³ /h | 1.2 |
| Maximum pumping distance* | m | 150 |
| Maximum pumping height* | m | 60 |
| Sound pressure level | dB (A) | < 80 |
| Dimensions width / length / h | mm | 765/1186/956 |
| Machine weight | kg | 265 |
| Packed machine dimensions width / length / 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 **STORM PLUS** setups

1107500



Single filter blower hood for Koine 4/35 supply (Level sensor not included)

1107490



Blower hood with double filter, oversized for hopper extension (+250 l), for Koine 4 (Level sensor not included)

1107615



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

1107620



Blower hood with double filter, oversized for hopper extension (+250 l), for Spin 30 Plus (Level sensor not included)

1107538



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

1107524



Multirex NW45 hose in PU-PVC spiraled L12.5 m DN45 with Storz Free Flow connections

1107614



Storz Free Flow rubber hose 16 bar swivel fitting DN50 L 20 m

1107523



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

