

UELZENER



ESTROMAT 442

Trailer mixing and conveying unit
for self levelling floor material from Big-Bags



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Main machine groups and parts of the ESTROMAT 442 Pump trailer



Pic 2. View left front



Pic 3. View left back side



Pic 4. View right front



Pic 5. View right back side



- Container filling opening
- Ladder
- MAX-Level probe light
- Electric control
- Crane control panel
- Wheel chock

- Crane hook eye
- MAX-Level probe
- Container
- Continuous mixer
- Mortar pump
- Water connection
- Outrigger

DESCRIPTION

The ESTROMAT 442 MIXING UNIT is an improved mixing pump built in accordance with the latest state of technology and safety regulations. It can be used for the trouble-free processing of all ready-mixed dry mortars, especially self leveling floor screed and similar materials.

Its solid and clear construction, its service and user-friendly arrangement of all aggregates as well as the high reliability are the essential characteristics of the ESTROMAT 442 MIXING UNIT.

The standard mixing and conveying capacity can be changed between 20 l / min = 5,3 US gal / min and 100 l / min = 26 US gal / min according to the required amount of wet mortar by using different pumps.

The ESTROMAT 442 MIXING UNIT can be fed with material in big-bags.

When opening the butterfly valve at the bottom of the container dry material is transported segregation-free by a conveying screw from the dry mortar container to the continuous mixer where it is mixed with water, so that a homogeneous wet mortar is produced.

The necessary water amount can be adjusted with high accuracy, so that the quality of the mortar remains stable during the entire working process.

The screw pump installed underneath the mixing tube transports the wet mortar through the hose line to the job site. The remote control is done electrically.

A pressure control device integrated in the water dosing armature is constantly controlling the water pressure and will stop the machine automatically in case of shortage of water.

The electric control of the ESTROMAT 442 MIXING UNIT is equipped with a protection against re-starting, that means when the machine was switched off in case of power cut or water shortage, it has to be re-started by pressing the key button "Start".

The parts of the electric control are installed in a dust and waterproof control box which is mounted in a user-friendly height at the mixing pump, so that all switches and electric connections can easily be reached.

All components of the ESTROMAT 442 MIXING UNIT are mounted into a rigid double axles trailer on 4 wheels, which allow an easy transport and a safe installation of the unit.

TECHNICAL DATA

*) depending on material, consistency and length of hose

Machine type	ESTROMAT 442 MIXING UNIT
Part-No.	442.00.001
Drive / Motor power	conveying screw: 4 kW / 5,4 HP continuous mixer: 4 kW / 5,4 HP mortar pump : 9,2 kW / 13 HP Hydraulic unit for crane: 4 kW / 5,4 HP Water booster pump: 0,8kW / 1,1HP
Operating voltage	400V/50Hz, CEE 563/6h, three phase
Control voltage	24 V DC
Power consumption / Fuse	20kW (27HP) / 63 AMP max.
Pump type, standard	UE356 W
Conveying capacity	100 l / min.*) = 26,4 US gallons / min
Conveying pressure	30 bars*) = 430 psi
Conveying distance	up to 80 m*) = 240 ft
Pump outlet	ID35mm / 13/8", Coupling system SK35
Mixer speed	approx. 280 rpm
Conveying speed	approx. 50 rpm
Necessary water pressure	3 bars = 43 psi
Water connection	GK-coupling
Height of charging level over ground	2660 mm = 105"
Width	2406 mm = 95"
Length	5905 mm = 232"
Total height	2770 mm = approx 109"
Weight	3200 kg / 7050 lbs incl. delivery
Dry mortar capacity of container	2400 l = 634 gallons

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