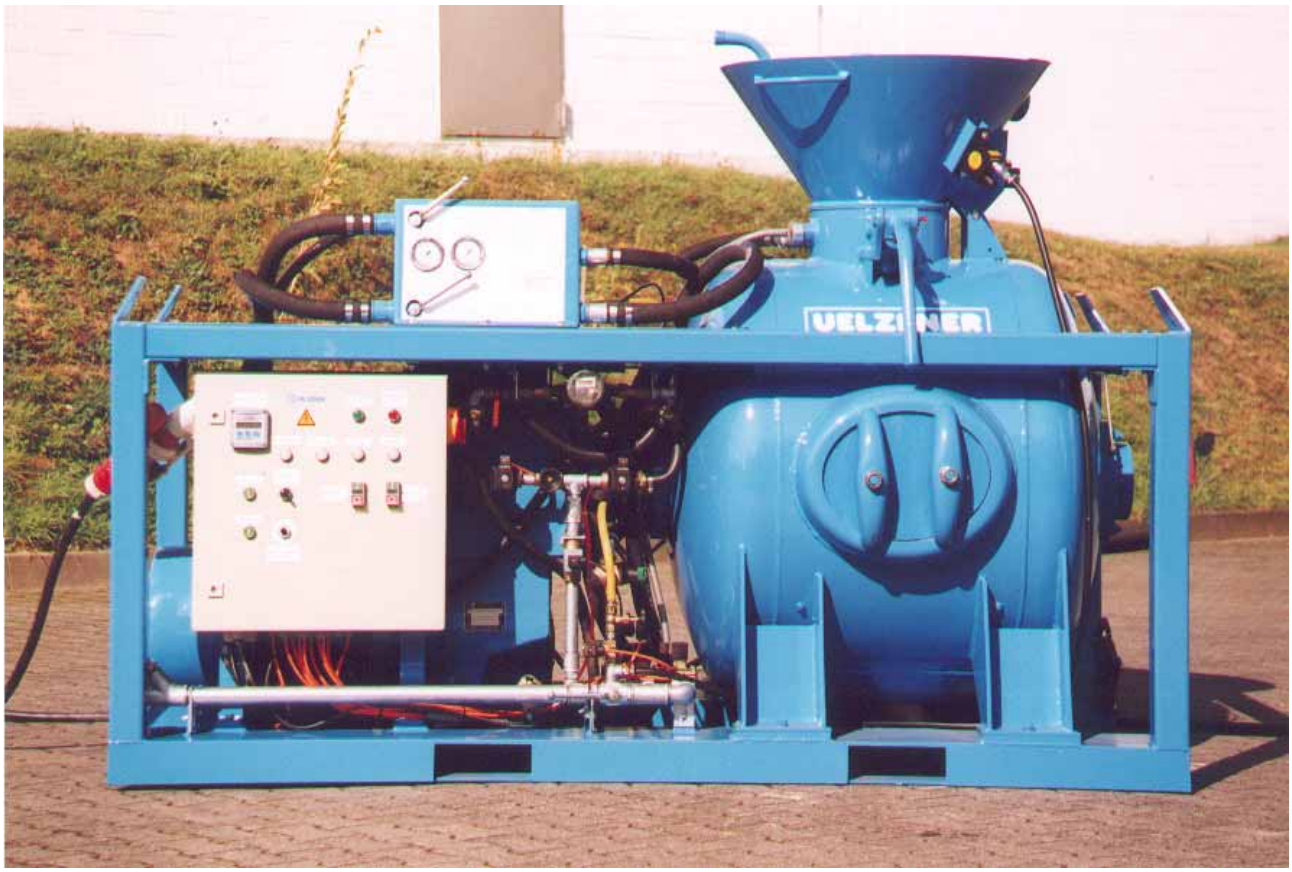
UELZENER

Mixing- and Conveying-Unit for LC und ULC Refractory Masses

ESTROMAT 850



Description of Function
The ESTROMAT 850 mixes and conveys mineral, preferably hydraulically setting masses; predominantly masses, that are used in the refractory technology. The principal operation is corresponding to the approved cement floor-machines.

The big volume of approximately 850 l opposite the until now used pressure vessels of 260 l as well as of 600l volume is very useful for processing premixed refractory-masses in Big-Bag's of 1t economically and reliably dryly. At a density of $2 t/m³ a volume of # 500 L is reached. This corresponds to at filling-degree of # 60% of the pressure-vessel-volume. Since the material's can de-mix themselves during transportation and storage, it is useful to fill the entire Big-Bag into the mixer, according to that all components are mixed intensively together.

The pressure vessel becomes charged by opened close-lid over a funnel with dry material. Simultaneously the for the mixture necessary water quantity is added. By means of the turning mixing blades inside the vessel the material is mixed with the water to an earth moist consistency.

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After the end of the mixing process, the cover-lid is closed and the pressure-vessel is charged with compressed air. The material is pressed through the outlet into the connected hose-line. By means of the turning mixing-blades at the outlet and through the additionally shortly behind the vessel added compressed air a stopper-conveying is reached.
The necessary compressed air for the conveying is taken from the compressed air-network, or from a mobile compressor delivered. The maximum pressure is set by a safety-valve in the air-armature to 8 bars. After empty-blowing of the vessel, the air-supply is stopped by the operator. The remaining pressure escapes through the hose-line, as well as at the pressure relieve valve on top of the cover-lid. The cover-lid has to be opened first, if the pressure relieve valve is opened and the vessel is pressure-free. The next mixing and conveying cycle starts after the cover-lid is opened anew.

Construction of the ESTROMAT 850
The machine essentially consists of following modules:
- machine-basis frame
- pressure tight closable mixing vessel
- wear-resistant standard-mixing-blades with gear motor
- material-outlet ID 100 with accelerator
- air-armature
- water-dosage-armature with water inter-receptacle
- electric control box

Special equipment and accessories, not contained in the standard delivery:
flexible hose-line ID65, ID80, ID100
blow-back-device for material outlet
fully automatic grease-pump
hose-outrigger manual or by motor adjustable
Re-mixer ESTROMAT 402NM

Technical data (model 850.00.001)**:**

Mixing vessel volume / -useful volume *):	850 l / max 650 l
Performance of the mixer-motor:	30 kW
Tension:	400V / 50Hz / rotary current
Current-connection:	CEE 563/6h
Electric protection-type:	IP54
Necessary compressed air-consumption:	R1½ / 6 bars / 10 m³/min
Maximum vessel pressure:	8 bars
Output *):	4-5 m³/h
Length over everything:	ca. 2500 mm
Width over everything:	ca. 1400 mm
Slot-height mixing vessel/funnel:	ca.1320 / 1650 mm
Transportation-height:	ca.1700 mm
Weight, empty:	ca.1500 kg

*) depending on material, compressed air, conveying hose

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