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Application areas:

- Special civil engineering (delivery and injection of slurries, cavity filling)
- Micro tunnelling (delivery and injection of slurries, cavity filling)
- Geothermal application (peripheral filling for geothermal probes)
- Well construction (seal water sealing, backfilling)
- Road works (delivery of drainage asphalt)

Mixing and grouting of:

- Cement slurries
- Filling materials for peripheral filling
- Bentonite slurries
- Insulating slurries
- Fly ash slurries
- Anchor grout

Technical Data / Performance Data ¹⁾

| | | | |
|--|--------------------|-------------------|--|
| Mixing capacity (20 batches/h) ²⁾ | 3,0 | m ³ /h | bagged goods |
| Effective mixer volume | 50 - 150 | l | |
| Mixing water minimum | 50 | l | |
| Mixer filling level (bag loading) | 1000 | mm | |
| Agitator tank volume | 300 | l | |
| Delivery rate pump | 17 - 85 | l/min | stepless adjustable (frequency-controlled) |
| Delivery pressure continuous operation | max. 30 | bar | |
| Delivery pressure short-time operation | max. 35 | bar | |
| Solids grain size | max. 2 | mm | |
| Water connection | Storz C | DN50-2" | standard coupling DIN14307, max. 6 bar |
| Power connection | CEE-plug | 32 A | 5-pole with phase inverter |
| Pressure connection transfer pump | VT-1" | type 25 | mortar coupling, alternatively 1" IG |
| Power input | appr. 11,5 | kW | |
| Voltage | 400 | | VAC, 50 Hz |
| Transport dimensions | 1,87 x 0,97 x 1,66 | m | L x W x H |
| Working dimensions | 2,56 x 0,97 x 1,66 | m | L x W x H |
| Weight | appr. 615 | kg | |

¹⁾ The specified performance data are non-binding values that differ significantly depending on dosing, mixing and discharge times.

²⁾ The specified performance data depends on the dispensing performance and the number of mixing components as well as the rheological features of the suspension and possible necessary processing time.

Description:

The Grout Plant **IS-35-EF** is a compact mixing and grouting plant with buffer tank and integrated grouting pump. It is suitable for mixing and grouting of cement slurries or other solid-content slurries. The flow rate is step less adjustable by the frequency-controlled grouting pump.

Characteristics:

- optimal mixing quality (colloidal mixer)
- processing of bagged goods
- the flow rate of the eccentric screw pump is stepless adjustable
- easy operation, maintenance and cleaning
- minimum mounting and start-up effort
- minimum space requirements
- minimum operating costs

Features:

- ✓ **Batch mixer** 150 l capacity (Colloidal mixer);
Fast running colloidal mixer; debuggig grid with safety end-switch; 3-way valve in the mixer-forced circulation and emptying pipe, mixer tank draining
- ✓ **Agitator tank** 300 l capacity with slowly running agitator
Steel sheet tank with inclined tank bottom for better tank discharge, tank lid with safety-end switch and inspection port
- ✓ **Eccentric screw pump** with frequency converter for stepless adjustment of the flow rate; stator/rotor swivelling for transport, pump sealing with separate grease chamber; conveyor screw hinge-connected
- ✓ **Visual delivery pressure display**
- ✓ **Water dosage** by manually operated ball valve
- ✓ **Adjustable water quantity dipstick** for coarse filling level indicator
- ✓ **Separate connection** for cleaning hose including stopcock
- ✓ **Steel frame** with suitable seats for forklift and pallet truck handling
- ✓ **Central lifting eye** on mixer tank
- ✓ **Electrical function and power control** (contractor control) with operating hours counter pump, pump actuation by radio control possible
- ✓ **Document roll**
- ✓ **Mounting tool for rotors**
- ✓ **Cleaning brush**

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