GERTEC
Maschinen- und Anlagenbau GmbH

Product Information

Grout Plant IS-35-EF
Model: VA

Grout Plants IS

Picture similar

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	m³/h	bagged goods
Effective mixer volume	50 - 150	l	
Mixing water minimum	50	l	
Mixer filling level (bag loading)	1000	mm	
Buffer tank volume	200	l	
Delivery rate pump	17 - 50	l/min	stepless adjustable (frequency-controlled)
Delivery pressure continuous operation	max. 40	bar	
Delivery pressure short-time operation	max. 50	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	ca. 10	kW	
Voltage	400		VAC, 50 Hz
Transport dimensions	1,62 x 0,82 x 1,44	m	L x W x H
Working dimensions	2,21 x 0,82 x 1,44	m	L x W x H
Weight	approx. 465		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.

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Technical specifications are subject to change

Description:

The Grout Plant **IS-35-EF-VA** 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); stainless steel
  Fast running colloidal mixer; debagging grid with safety end-switch; 3-way valve in the mixer-forced circulation and emptying pipe, mixer tank draining
- ✓ **Buffer tank** 200 l capacity; stainless steel
  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**

Accessories (not included in delivery):

- ○ Remote control (cable) for pump
- ○ Radio remote control for pump
- ○ Agitator buffer tank
- ○ Pressure filter
- ○ Data logging
- ○ Grouting hoses
- ○ Cleaning hoses
- ○ LED launder (with tripod)
- ○ Mixer scale
- ○ Mixing time monitoring
- ○ Pressure control
- ○ Pressure turn off

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