



picture similar

Application areas:

- Anchor injection
- Grouting
- Cavity filling
- Micro tunnelling
- Ground injection
- Bentonite lubrication

Mixing of:

- Cement slurries
- Anchor grout
- Bentonite slurries
- Filling material for peripheral sealing
- Insulation slurries
- Fly ash slurries

Technical Data / Performance Data^{*)}

Mixing capacity (20 batches/h)	3	m ³ /h
Amount of mixing components (automatic operation)	2	1 x liquid 1 x solid
Effective mixer volume	150	l
Mixing water minimum	50	l
Mixer filling level (bag loading)	1020	mm
Agitator tank volume	300	l
Water Tank volume	150	l
Flow rate stepless adjustable	20 - 100	l/min
Discharge pressure	max. 30	bar
Solids grain size	max. 2	mm
Pressure connection	VT 1"; Typ 25	mortar coupling VT 1", alternatively 1" IG
Water connection	Storz C	1 1/2" standard coupling DIN14307, max.6 bar; or Geka-claw coupling
Cleaning connection	DN 25	Geka-claw coupling
Power connection	CEE-Stecker	32 A, 5-pole with phase inverter
Power input	11	KW
Voltage	400	V; 50 Hz
Start/Stop signal cement screw	Harting plug	4-pole
Transport dimensions approx.	1,92x0,97x2,15	m (L x W x H)
Working dimensions approx.	2,60x0,97x2,15	m (L x W x H)
Weight approx.	750	kg

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

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Description:

The injection station IS-35-EA (**fully automated**) is a compact automatic mixing and injection system specially developed for construction site operation. It is particularly suitable for mixing and pressing bentonite and cement slurries, insulating and sealing wall compounds or other solids-containing slurries. In automatic mode, the system can automatically produce slurries according to a stored recipe, pump it into the agitator tank and keep it ready for the injection pump. The processing of bagged goods is possible.

Features:

- ✓ **Batch mixer** 150 l capacity (Colloidal mixer);
Fast running colloidal mixer; Mixer scale for manual and automatic Dosing of the mixing components, Cover with connection piece for cement auger; debugging grid with safety end-switch; 3-way valve in the mixer-forced circulation and emptying pipe; removable emptying pipe for easy mixing tank draining.
- ✓ **Agitator tank** 300 l capacity; Slow running Agitator, 1-stage; Steel sheet tank with inclined tank bottom; shared container lid, with removable protective grid with safety end-switch;
- ✓ **Eccentric screw pump** with frequency converter for stepless adjustment of the delivery rate; swivelling stator / rotor for transportation; Pump seal with separate grease feed chamber; auger with hinge;
- ✓ **Water tank** 150 l capacity; optical filling level indicator; automatic filling control
- ✓ **Water dosage** by electrically operated valve
- ✓ **Separate connection** for cleaning hose including stopcock
- ✓ **Steel frame** with suitable seats for forklift and pallet truck handling; central lifting eye and Lashing eyes for safe transport
- ✓ **W-LAN module** without sim-card (on site)
 - location independent input of all functions via tablet or laptop / PC (not included) such as: recipe input, parameter input and borehole numbers input (if GERLOGG is connected)
 - data readout batch logging
 - data readout grouting data's (if GERLOGG is connected)
 - monitoring of all current operating conditions
 - possibility of remote maintenance or software updates by GERTEC without an on-site technician
- ✓ **Electrical function and power control** with the following display and control elements:
 - Main switch ON/OFF
 - Mixer ON/OFF
 - Pump ON/OFF
 - Agitator ON/OFF
 - Diverse service counters
 - Process control for automatic operation and operational data acquisition
 - Batch logging on USB stick
 - Rotating beacon (fault light)
 - Potentiometer pump power 0 -100 %
 - Phase-control
 - Combined fault display
 - Operating mode switch
 - Emergency-off-button
 - Signal output cement screw

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