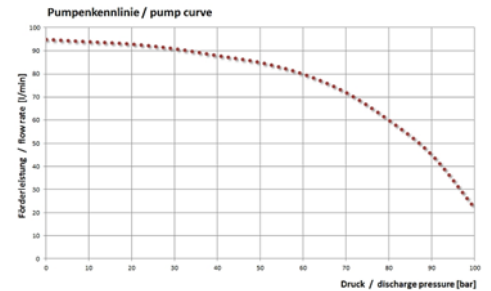




picture similar



### 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 <sup>3</sup> /h
Amount mixing components (automatic operation)	2	1 x fluid 1 x solid
Effective mixer volume	150	l
Mixing water minimum	50	l
Mixer filling level (bag loading)	940	mm
Buffer tank volume	300	l
Water tank volume	150	l
Flow rate plunger pump	0 - 95	l/min, electrically continuously adjustable
Discharge pressure plunger pump	max. 100	bar, manually continuously limited
Solids grain size	max. 2	mm
Pressure connection plunger pump	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-plug	2x32 A, 5-pole with phase inverter
Power input	23,5	KW
Voltage	400	V; 50 Hz
Start/Stop signal cement auger	Harting plug	4-pole
Dimensions	2,35 x 0,95 x 2,1	m ( L x W x H)
Weight	approx. 1260	kg

\*)\* The specified performance data are non-binding values that differ significantly in individual cases depending on dosing, mixing, discharge times and the solids used .

## Description:

The grout plant IS-80-EA is specifically developed compact automatic mixing and grouting plant for construction sites. The grout plant is particularly suitable for mixing and grouting of bentonite, cement, insulation slurries and sealing wall components or other fluid containing suspensions. In automatic operation the grout plant can automatically produce suspensions according to stored formulas, pumps them into the agitator tank and stores them for the injection pump. Processing of bagged goods is possible.

## Features:

- ✓ **Batch mixer** 150 l capacity (colloidal mixer); (mixing tank stainless steel)  
Fast running colloidal mixing mechanism; mixing scale for manually and automatic dosage of the mixing components, cover with connections for cement auger; additional alternative bag loading grid with safety-end switch; electrically operated 3-way valve in the mixer-forced circulation; removable recirculation for easy tank draining
- ✓ **Agitator tank** 300 l capacity; (stainless steel)  
slow running agitator; with inclined tank bottom for better tank draining, tank wall with cleaning opening; tank lid with inspection port and safety-end switch; suspension filter at tank inlet
- ✓ **Double plunger pump** vertically arranged;  
automatic ball valves (inlet and exhaust valves)
- ✓ **Water tank** 150 l capacity, optical fill-level probe; Automatic filling control
- ✓ **Water dosage** by electrically operated ball valve
- ✓ **Separate connection** for cleaning hose including stopcock
- ✓ **Pump suction pipe** with quick couplings
- ✓ **Pump pressure pipe** with 2 lubricated high-pressure ball valves  
(1 x pressure relief for agitator tank, 1 x pressure port plunger pump)
- ✓ **Hydraulic aggregate** with:
  - variable pump and fixed displacement pump
  - oil level indicator with minimum guard
  - return filter including visual contamination indicator
  - oil cooler
  - venting nozzles
  - hydraulic control block with 1 hand wheel manually continuously adjustment of pump discharge pressure, pump flow rate electrically continuously adjustable (potentiometer)
- **Steel frame** with suitable seats for forklift and pallet truck handling;  
central lifting eye on mixer tank
- **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

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- **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 operating data acquisition
  - Batch logging on USB stick
  - Rotating beacon (fault light)
  - Potentiometer pump capacity 0-100%
  - Phase-control
  - Combined fault display
  - Operation mode switch
  - Emergency-off-button
  - Signal output cement auger

## Accessories (not included in delivery):

- Remote control (cable or radio)
- Digital display discharge pressure
- Grouting hoses
- LED ladder (telescopic)
- Cement auger
- Electrical limitation discharge pressure
- Data logging
- Cleaning hose
- High-pressure cleaner

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