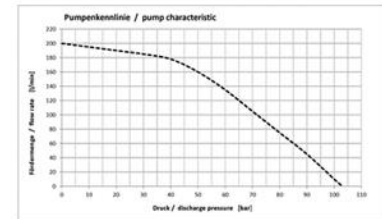


picture similar



### Application areas:

- Anchor injection
- Grouting
- Ground injection
- Flushing
- Pile driving and jolt work

### Mixing of:

- Cement suspension
- Anchor grout
- Bentonite suspension
- Insulation suspension
- Fly ash suspension

#### Technical Data / Performance Data \*

Mixing capacity (20 batches/h)	3,0	m <sup>3</sup> /h
Effective mixer volume	150	l
Mixing water minimum	50	l
Water tank capacity	150	l
Agitator tank capacity	300	l
Flow rate	0 – 200	l/min, electr. continuously adjustable
Discharge pressure	max. 100	bar, electr. continuously limited
Solids grain size	max. 2	mm
Pressure connection	1 1/4"	IG
Amount mixing components	2	1 liquid 1 solid
Water connection	Storz C	2" standard coupling DIN14307
Cleaning connection	DN 25	Geka-claw coupling
Power connection	CEE-plug	1 x 63 A, 5-pole
Power input	25	KW
Voltage	400	V; 50 Hz
Dimensions	2,4 x 1,61 x 2,3	m ( L x W x H)
Weight	approx. 1.700	kg

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

**GERTEC**

Maschinen- und Anlagenbau  
GmbH

Gewerbepark 3  
D-87477 Sulzberg

Phone.: +49(0)8376-98791-0  
Fax: +49(0)8376-98791-99  
info@gertec-gmbh.de

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## Description:

The grout plant IS-100-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; container 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 (container, agitator stainless steel);
  - slow running agitator; inclined tank bottom (for better tank discharge); tank wall with cleaning opening; tank lid with inspection port and safety-end switch; fill-level probe (ultrasonic sensor) 0-100%
- ✓ **Double plunger pump** vertically arranged; automatic ball valves
- ✓ **Water tank** 150 l capacity; visual level indicator; booster pump, automatic filling control
- ✓ **Water dosage** by electrically operated ball valve
- ✓ **Separate connection** for cleaning hose including stopcock
- ✓ **Pump suction pipe** with quick couplings
- ✓ **Rinsing:** optionally pumping of slurries or water possible; switching with electric
  - operated butterfly valves
- ✓ **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; pump flow rate and discharge pressure are electrically continuously adjustable (potentiometer)
- ✓ **Steel frame** with working platform; central lifting eye, forklift pockets
- ✓ **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	• Potentiometer pump capacity 0 -100 %
• Mixer ON/OFF	• Potentiometer discharge pressure 0 -100 %
• Phase-control	• Batch logging on USB stick
• Pump ON/OFF	• Combined fault display
• Agitator ON/OFF	• Operation mode switch
• Diverse service counters	• Emergency-off-button
• Signal output cement auger	• stroke counter
• Process control for automatic operation and operation data acquisition (Touch screen for visualization of the operating parameters, various operating menus, statistics, formula management (3 pce); batch record on USB stick	

GERTEC

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GmbH

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