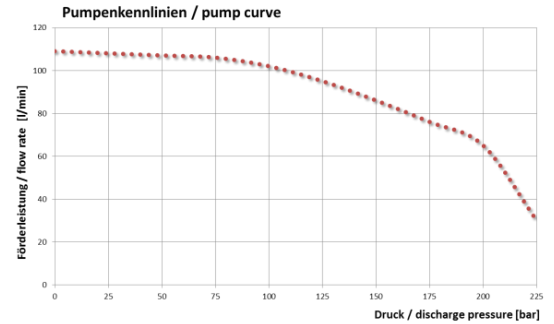


picture similar



### Application areas:

- Jetgrouting, Minijet
- Anchor injection
- Grouting
- Ground injection

### Mixing of:

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

### Technical Data / Performance Data \*

Mixing capacity (20 batches/h)	5,6	m3/h
Effective mixer volume	280	l
Mixing water minimum	90	l
Water tank capacity	250	l
Agitator tank capacity	560	l
Flow rate	0 – 100	l/min, electr. continuously adjustable
Discharge pressure	max. 230	bar, electr. continuously limited
Solids grain size	max. 2	mm
Pressure connection	1 “	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 1 x 32 A, 5-pole
Power input	46	KW
Voltage	400	V; 50 Hz
Dimensions	2,27x2,28x2,39	m ( L x W x H)
Weight	approx. 2.300	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 grout plant IS-80-EAHD 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** 280 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** 560 l capacity; (container and 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** 250 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 manually 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
- ✓ **high pressure cleaner**
- ✓ **led- spotlight**
- ✓ **toolbox**

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- ✓ **Electrical function and power control** with the following display and control elements:
  - Main switch ON/OFF
  - Mixer ON/OFF
  - Phase-control
  - Pump ON/OFF
  - Agitator ON/OFF
  - Diverse service counters
  - Signal output cement auger
  - Rotating beacon (fault light)
  - 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
  - Potentiometer pump capacity 0 -100 %
  - Potentiometer discharge pressure 0 -100 %
  - Batch logging on USB stick
  - Combined fault display
  - Operation mode switch
  - Emergency-off-button
  - stroke counter

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