



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)	5,6	m ³ /h
Effective mixer volume	280	l
Mixing water minimum	90	l
Mixer filling level (bag loading)	870	mm
Buffer tank volume	560	l
Water tank capacity	250	l
Flow rate	0 - 200	l/min, continuously adjustable
Discharge pressure	max.100	bar, continuously limited
Solids grain size	max. 2	mm
Pressure connection	1 1/4"	IG
Water connection	Storz C	2" standard coupling DIN14307, max.6 bar; or Geka-claw coupling
Cleaning connection	DN 25	Geka-claw coupling
Power connection	CEE-plug	63 A, 5-pole
Power input	29	KW
Voltage	400	V; 50 Hz
Dimensions	2,04 x 2,17 x 2,4	m (L x W x H)
Weight	approx. 1900	kg

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

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Grout Plants

Features:

- ✓ **Batch mixer** 280 l capacity (colloidal mixer); fast running colloidal mixer; debugging grid with safety-end switch; adjustable filling bar for rough water level indication and water dosage; 3-way valve in the mixer-forced circulation; mixing tank draining
- ✓ **Agitator tank** 560 l capacity; 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
- ✓ **Double plunger pump** vertically arranged; automatic ball valves (inlet and exhaust valves)
- ✓ **Water tank** 250 l capacity; visual level indicator; automatic filling control
- ✓ **Water dosage** by manually operated ball valve
- ✓ **Separate connection** for cleaning hose including stopcock
- ✓ **Rinsing operation**; optional pumps for slurry or water possible; switching by manually operated valves
- ✓ **Pump suction pipe** with suction filter
- ✓ **Pump pressure pipes** with 2 lubricated high-pressure ball valves (1 x pressure relief for agitator tank, 1 x pressure port plunger pump) pressure pipe with pressure transmitter and visual pressure indicator (manometer 100 mm)
- ✓ **Hydraulic aggregate** with:
 - variable pump and fixed displacement pump
 - visual oil level indicator
 - return filter including visual contamination indicator;
 - oil minimum guard
 - venting nozzles
 - hydraulic control block with 2 hand wheels (1 x continuous adjustment of pump flow rate, 1 x continuous limiting of pump discharge pressure)
 - oil cooler
- ✓ **Steel frame** with working platform; central lifting eye; suitable seats for forklift and pallet truck handling; lifting eyes for transportation lock
- ✓ **Electrical function and power control** with the following display and control elements including protective cover (against vandalism)

<ul style="list-style-type: none"> - Main switch ON/OFF - Mixer ON/OFF - Pump ON/OFF - Agitator ON/OFF - Diverse service counters - Operation hours counter pump 	<ul style="list-style-type: none"> - Emergency-off-button - Phase-control - Combined fault display - Operation mode switch - Stroke counter pump - Operation hours counter mixer
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Accessories (not included in delivery):

- Remote control plunger pump(cable or radio)
- Electrical adjustment of flow rate (plunger pump)
- Electrical limitation discharge pressure (plunger pump)
- Digital display discharge pressure
- Workplace parasol (sun and weather protection)
- Data logging
- Grouting hoses
- Cleaning hose
- Water meter
- Mixer scale
- LED launder (with tripod)
- High-pressure cleaner

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