



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
Effective mixer volume	150	l
Mixing water minimum	50	l
Mixer filling level (bag loading)	940	mm
Buffer tank volume	300	l
Flow rate	0 – 50	l/min, continuously adjustable
Discharge pressure	max. 100	bar, continuously limited
Solids grain size	max. 2	mm
Pressure connection	¾"	IG
Water connection	Storz C	1 ½" standard coupling DIN14307, max.6 bar; or Geka-claw coupling
Cleaning connection	DN 20	Geka-claw coupling
Power connection	CEE-plug	32 A, 5-pole with phase inverter
Power input	16	KW
Voltage	400	V; 50 Hz
Dimensions	2,27 x 0,83 x 1,9	m (L x W x H)
Weight	approx. 820	kg

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

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page 1/2

Features:

- ✓ **Batch mixer** 150 l capacity (colloidal mixer);
fast running colloidal mixer; debugging grid with safety-end switch;
adjustable filling bar for rough water level indication and manual water dosage;
3-way valve in the mixer-forced circulation; removable recirculation, for easy mixing
tank draining
- ✓ **Agitator tank** 300 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;
suspension filter at tank inlet
- ✓ **Double plunger pump** vertically arranged;
automatic ball valves (inlet and exhaust valves)
- ✓ **Water dosage** by manually 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 2 hand wheels (1 x continuous adjustment of pump
flow rate, 1 x continuous limiting of pump discharge pressure)
- ✓ **Steel frame** with suitable seats for forklift and pallet truck handling;
central lifting eye on mixer tank
- ✓ **Electrical function and power control** with the following display and control elements:

- Main switch ON/OFF	- Emergency-off-button
- Mixer ON/OFF	- Phase-control
- Pump ON/OFF	- Combined fault display
- Agitator ON/OFF	- Operation mode switch
- Diverse service counters	- Stroke counter pump
- Operation hours counter pump	- Operation hours counter mixer

Accessories (not included in delivery):

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

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page 2 / 2