



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)	3,0	m3/h
Effective mixer volume	150	l
Mixing water minimum	60	l
Mixer filling level (bag loading)	840	mm
Buffer tank volume	300	l
Water tank volume	150	l
Flow rate	0 – 95	l/min, infinitely variable
Discharge pressure	max. 100	bar, infinitely variable
Solids grain size	max. 2	mm
Pressure connection	1"	IG
Water connection	Storz C	1 ½" 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	20	KW
Voltage	400	V; 50 Hz
Dimensions	2,04 x 1,61 x 2,3	m (L x W x H)
Weight	approx. 1500	kg

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

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Technical specifications
are subject to change
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Features:

- ✓ **Batch mixer** 150 l capacity (colloidal mixer);
fast running colloidal mixer; debugging grid with safety-end switch;
adjustable filling bar for water level indication and water dosage;
3-way valve in the mixer-forced circulation; mixing tank draining
- ✓ **Agitator tank** 300 l capacity;
slow running agitator; inclined tank bottom for better tank draining,
tank wall with cleanout; tank lid with inspection port and safety-end switch
- ✓ **Double plunger pump** vertically arranged;
automatic ball valves (inlet and exhaust valves)
- ✓ **Water tank** 150 l capacity, optical level indicator; automatic filling control
- ✓ **Water dosage** by manually operated ball valve
- ✓ **Separate connection** for cleaning hose including stopcock
- ✓ **Rinsing operation** optional pumping of slurry or water; changeover by manually operated shut-off valves
- ✓ **Pump suction pipe** with suction sieve
- ✓ **Pump pressure pipe** with 2 lubricated high-pressure ball valves
(1 x pressure outlet to agitator tank, 1 x pressure port to 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 infinitely adjustment of pump flow rate, 1 x infinitely limiting of pump discharge pressure)
 - oil cooler
- ✓ **Steel frame** with working platform; central lifting eye; suitable seats for forklift and pallet truck handling; lashing rings for transportation lock
- ✓ **Electrical function and power control** with the following display and control elements including protective cover (against vandalism)
 - Main switch ON/OFF
 - Mixer ON/OFF
 - Pump ON/OFF
 - Agitator ON/OFF
 - Diverse service counters
 - Operation hours counter pump
 - Emergency-off-button
 - Phase-control
 - Combined fault display
 - Operation mode switch
 - Stroke counter pump
 - Operation hours counter mixer

Accessories (not included in delivery):

- Remote control for 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