



### Application areas:

- Geothermal application (peripheral filling for geothermal probes)
- Well construction (seal water sealing, backfilling)
- Micro tunnelling (delivery and injection of slurries, cavity filling)
- Special civil engineering (delivery and injection of slurries, cavity filling)
- Road works (delivery of drainage asphalt)

#### Technical Data / Performance Data \*

Mixing capacity (20 batches/h)	3,0	m3/h
Effective mixer volume	150	l
Mixing water minimum	50	l
Mixer filling level (bag loading)	1000	mm
Buffer tank volume	300	l
Flow rate speed 1	approx. 37	l/min
Flow rate speed 2	approx. 75	l/min
Discharge pressure	max. 24	bar
Solids grain size	max. 2	mm
Pressure connection	VT 1"; type 25	motar coupling VT 1", alternatively 1" IG
Water connection	Storz C	1½ " standard coupling DIN14307, max.6 bar; or Geka-claw coupling
Cleaning connection	DN 25	Geka-claw coupling
Power connection	CEE-plug	16 A, 5-pole with phase inverter
Power input	7,1	KW
Voltage	400	V; 50 Hz
Working dimensions	1,85 x 0,81 x 1,5	m ( L x W x H)
Weight	approx. 430	kg

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

### 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 water dosage; 3-way valve in the mixer-forced circulation and emptying pipe; mixer tank draining
- ✓ **Buffer tank** 300 l capacity; Steel sheet tank with inclined tank bottom; shared container lid, with removable protective grid with safety end-switch
- ✓ **Eccentric screw pump** directly flanged to the tank bottom of buffer tank, optical pressure gauge mounted at pump outlet
- ✓ **Water dosage** by manually operated ball valve
- ✓ **separate connection** for cleaning hose including stopcock
- ✓ **Steel frame** with suitable seats for forklift and pallet handling; central lifting eye on mixer tank
- ✓ **Electrical function and power control** by push buttons; with the following display and control elements:
  - Main switch ON/OFF
  - Mixer ON/OFF
  - Pump forward - slow/fast
  - Pump backwards - slow/fast
  - Operation hours counter pump

### Accessories (not included in delivery):

- Data logger
- Grouting hoses
- Cleaning hose
- Water counter
- LED launder with tripod
- Mixing scale
- Mixing time monitoring
- Pressure control
- Pressure turn off
- Slow running agitator in buffer tank
- Fast running agitator in buffer tank
- Frequency inverter

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are subject to change  
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