



Application areas:

- Geothermal application (peripheral filling for geothermal probes)
- Well construction (seal water sealing, backfilling)
- Tunnelling (delivery and injection of slurries, cavity filling)
- Special civil engineering (delivery and injection of slurries, cavity filling)

Mixing of:

- Filling materials for peripheral filling
- Cement slurries
- Bentonite slurries
- Mineral insulating slurries
- Fly ash slurries

Technical Data / Performance Data *

Mixing capacity (20 batches/h)	2,0	m3/h
Effective mixer volume	100	l
Mixing water minimum	35	l
Mixer filling level (bag loading)	850	mm
Buffer tank volume	150	l
Flow rate	approx. 40	l/min
Discharge pressure max.	20	bar
Discharge pressure permanently	16	bar
Solids grain size	max. 2	mm
Pressure connection	VT 1"; type 25	mortar coupling VT 1", alternatively 1"IG
Water connection	Storz C	1 1/4" 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	4,5	KW
Voltage	400	V; 50 Hz
Working dimensions	1,44 x 0,71 x 1,25	m (L x W x H)
Weight	approx. 240	kg

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

Features:

- ✓ **Modular construction;** can be dismantled in 3 modules with few steps (quick release) (mixer / buffer tank / base frame with pump)
- ✓ **Batch mixer** 100 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 and emptying pipe; removable emptying pipe for easy mixing tank draining
- ✓ **Buffer tank** 150 l capacity;
Steel sheet tank with eccentric outlet cone (for complete discharge); shared container lid, with removable protective grid with safety end-switch
- ✓ **Eccentric screw pump** with adjustable stuffing box sealing
- ✓ **Visual pressure display** with tubing pressure intermediary mountable at pump exit
- ✓ **Water dosage** by manually operated ball valve
- ✓ **Separate connection** for cleaning hose including stopcock
- ✓ **Galvanized steel frame** with suitable seats for forklift and pallet truck handling; central lifting eye on mixer tank
- ✓ **Electrical function and power control** by push buttons; input with phase inverter;
- ✓ **Standard accessories:**
 - Adapter Storz-C standard coupling / Geka-claw coupling (water dosage)
 - Document roll (storage of operation manuals)
 - Cleaning brush
 - Mortar coupling MT 1" IG (suitable connection coupling for pump exit)

Accessories (not included in delivery):

- Data logging
- Grouting hoses
- Cleaning hose
- Water meter
- LED laundry with tripod
- Service socket
- Sunshade

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Technical specifications
are subject to change
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