



### 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)
- Road works (delivery of drainage asphalt)

### Mixing of:

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

### 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	200	l
Flow rate	0-55	l/min continuous
Discharge pressure	max. 50	bar
Solids grain size	max. 2	mm
Pressure connection	VT 1"; type 25	motar coupling VT 1", alternatively 1" IG
Water connection	Storz C	1 1/2" standard coupling DIN14307, max.6 bar; or Geka-claw coupling
Cleaning connection	DN 25	Geka-claw coupling
Dynamic pressure leakage oil line	max. 1,5	bar
Required quantity of oil (on site)	70	l/min
Required oil pressure (on site)	180	bar
Transport dimensions	1,62 x 0,82 x 1,6	m ( L x W x H)
Working dimensions	2,21 x 0,82 x 1,6	m ( L x W x H)
Weight	approx.445	kg

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

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### Features:

- ✓ **Batch mixer** 150 l capacity (Colloidal mixer); fast running colloidal mixer; debugging grid; adjustable filling bar for rough water level indication; 3-way valve in the mixer-forced circulation and emptying pipe; mixer tank draining
- ✓ **Buffer tank** 200 l capacity; Sheet steel container with inclined tank bottom for better draining, container cover with inspection hole; in the bottom integrated vertical chute with connecting flange for eccentric screw pump
- ✓ **Eccentric screw pump** directly flanged to the tank bottom of buffer tank, optical pressure gauge mounted at pump outlet, boring tool for rotors is included
- ✓ **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
- ✓ **Hydraulic control** for manual operation:
  - Mixer ON/OFF
  - Pump forward ON/OFF with speed adjustment MIN - MAX
  - Pump backwards ON/OFF with reduced speed adjustment

### Accessories (not included in delivery):

- Data logger (24 VDC or 230 VAC)
- Grouting hoses
- Cleaning hose
- Resettable water counter
- Water buffer
- Sunshade

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