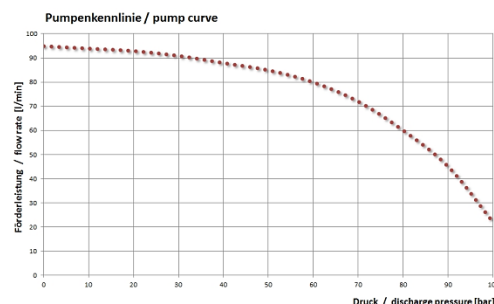




figure similar



Application areas:

- Micro tunnelling
- Pipe jacking
- Bentonite lubrication
- Cavity filling
- Ground injection
- Groutings

Mixing of:

- Bentonite slurries

Technical Data / Performance Data *

Mixing capacity (20 batches/h)	10,0	m ³ /h
Effective mixer volume	500	l
Mixing water minimum	170	l
Mixer filling level (bag loading)	1080	mm
Capacity each agitator tank (I + II)	1300	l (total 2600l)
Flow rate each pump (I + II)	0 – 95	l/min, electrically continuously adjustable
Discharge pressure each pump (I + II)	100	bar, mechanically continuously limited
Solids grain size	max. 2	mm
Pressure connection pump	(2x) 1"	IG
Water connection	Storz C	2 1/2" standard coupling DIN14307, max.6 bar;
Cleaning connection	DN 25	Geka-claw coupling
Power connection	125	A (5-pole terminal box)
Power input	64	KW
Voltage	3~ 480 V / 60 Hz	
Dimensions	6,05 x 2,43 x 2,59	m (L x W x H)
Weight	approx. 5100	kg

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

Features:

- ✓ **Batch mixer** 500 l capacity (colloidal mixer)
fast running colloidal mixer; debagging grid with safety-end switch;
adjustable filling bar for rough water level indication and water dosage;
3-way valve in the mixer-forced circulation; complete mixing tank draining
- ✓ **2 Agitator tank** 2 x 1300 l capacity; each tank with:
fast running agitator; inclined tank bottom for better tank draining;
2 x tank outlet with butterfly valve; connecting pipe with valves for single or common use; tank wall with cleanout; tank cover with inspection port;
fill-level probe (empty, full)
- ✓ **2 Double plunger pumps** vertically arranged;
automatic ball valves (inlet and exhaust valves)
- ✓ **Water dosage** by manually operated ball valve
- ✓ **Cleaning hose** including stopcock
- ✓ **2 Pump suction pipes** with quick couplings
- ✓ **Pump pressure pipe** with 4 lubricated high-pressure ball valves
(2x pressure relief towards agitator, 2x pressure connection plunger pump)
- ✓ **Hydraulic aggregat** with:
 - 2 electrical drives with each 1 variable pump and each 1 fixed displacement pump
 - visual level indicator
 - return filter including visual oil contamination indicator
 - oil minimum guard
 - venting nozzles
 - 2 hydraulic control blocks each with 1 hand wheel (continuously limitation of pump discharge pressure)
 - electrical adjustment pump flow rate for both plunger pumps (0-100%) continuously
- ✓ **20' Container** (double door) in CSC version
- ✓ **Lightening** container inside
- ✓ **Terminal for additional heater** 480VAC / 60 Hz, max. 4000 W
- ✓ **Terminal for additional device** 480VAC / 60 Hz, max. 4000 W
- ✓ **Electrical function and power control** with the following display and control elements:

- Main switch ON/OFF	- Emergency-off-button
- Mixer ON/OFF	- Operating mode selector for pumps
- Plunger pump I ON/OFF	- Plunger pump II ON/OFF
- Flow rate pump I [0-100%]	- Flow rate pump II [0-100%]
- Stroke counter pump I	- Stroke counter pump II
- 2 x Level indicator agitator tank (empty, full)	- Diverse service buttons
- 2 x Agitator ON/OFF	- Display combined fault
- Acknowledge fault	- Phase-control

Accessories (not included in delivery):

- Remote control (cable or radio)
- Electrical limitation discharge pressure
- Digital display discharge pressure
- Visual pressure display
- Data logging
- Grouting hoses
- Water meter
- Mixer scale
- High-pressure cleaner

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Technical specifications are
subject to change
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