



figure similar

Application areas:

- Micro tunnelling
- Pipe jacking
- Bentonite lubrication

Mixing of:

- Bentonite slurries

Technical Data / Performance Data *)

Mixing capacity (20 batches/h)	15	m ³ /h
Effective mixer volume	750	l
Mixing water minimum	250	l
Mixer filling level (bag loading)	1330	mm
Capacity each agitator tank (I + II)	2000	l (total 4000 l)
Flow rate each pump (I + II + III)	0 – 95	l/min, electrically continuously adjustable
Discharge pressure each pump (I + II + III)	100	bar, mechanically continuously limited
Solids grain size	max. 2	mm
Pressure connection pump	(3x) 1"	IG
Water connection	Storz C	2 ½" standard coupling DIN14307, max.6 bar;
Cleaning connection	DN 25	Geka-claw coupling
Power connection	150	A (terminal block in electrical cabinet)
Power input	75	kW
Voltage	400 V / 50 Hz	
Dimensions	6,05 x 2,43 x 2,59	m (L x W x H)
Weight	approx. 6220	kg

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

Features:

- ✓ **Batch mixer** 750 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; complete mixing tank draining
- ✓ **2 Agitator tank** 2 x 2000 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)
- ✓ **3 Double plunger pumps** vertically arranged;
automatic ball valves (inlet and exhaust valves)
- ✓ **Water dosage** by manually operated ball valve
- ✓ **Cleaning hose** including stopcock
- ✓ **3 Pump suction pipes** with quick couplings
- ✓ **Pump pressure pipe** with 6 lubricated high-pressure ball valves
(3x pressure relief towards agitator, 3x pressure connection plunger pump)
- ✓ **Hydraulic aggregat** with:
 - 3 electrical drives with each 1 variable pump and each 1 fixed displacement pump
 - tank with visual level indicator incl. electrical minimum guard
 - oil cooler, switchable for summer and winter operation
 - return filter including visual oil contamination indicator
 - venting nozzles
 - 3 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
- ✓ **Electrical function and power control** with the following display and control elements:

<ul style="list-style-type: none"> - Main switch ON/OFF - Mixer ON/OFF - 3 x Plunger pump ON/OFF (pump I + II + III) - 3 x Flow rate pump 0-100% (pump I + II + III) - 3 x Stroke counter (pump I + II + III) - 2 x Level indicator agitator tank (empty, full) - 2 x Agitator ON/OFF - Signal lamp "Acknowledge fault" - 	<ul style="list-style-type: none"> - Emergency-Off-button - Operating mode selector for pumps - Diverse service buttons - Signal lamp "Combined fault" - Signal lamp "Phase-control" - Selector switch SUMMER / WINTER
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Accessories (not included in delivery):

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