

Product Information Grout Plant IS-80-3-EC

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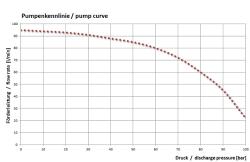


figure similar

Application areas:

- Micro tunnelling
- Pipe jacking
- Bentonite lubrication

Mixing of:

· Bentonite slurries

Technical Data / Performance Data *)

Mixing capacity (20 batches/h)	15	m³/h
Effective mixer volume	750	
Mixing water minimum	250	
Mixer filling level (bag loading)	1330	mm
Capacity each agitator tank (I + II)	2000	I (total 4000 I)
Flow rate each pump (I + II + III)	0 – 95	I/min, electrically continuously adjustable
Discharge pressure each pump (I + I + 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

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*) 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 750 I 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 2000 I 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:
 - Main switch ON/OFF
 - Mixer ON/OFF
 - 3 x Plunger pump ON/OFF (pump I + II + III) Diverse service buttons
 - 3 x Flow rate pump 0-100% (pump I + II + III) Signal lamp "Combined fault"
 - 3 x Stroke counter (pump I + II + III)
 - 2 x Level indicator agitator tank (empty, full) Selector switch SUMMER / WINTER
 - 2 x Agitator ON/OFF
 - Signal lamp "Acknowledge fault"

- Emergency-Off-button
- Operating mode selector for pumps

- Signal lamp "Phase-control"

Accessories (not included in delivery):

- Remote control (cable or radio)
- Electrical limitation discharge pressure
- Digital display discharge pressure
- Visual pressure display 0
- Data logging
- Pedestal for mixer charging
- Grouting hoses
- Water meter
- Mixer scale
- High-pressure cleaner

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