### Application areas:
- Anchor injection
- Grouting
- Cavity filling
- Micro tunnelling
- Ground injection
- Bentonite lubrication

### Mixing of:
- Cement slurries
- Anchor grout
- Bentonite slurries
- Filling material for peripheral sealing
- Insulation slurries
- Fly ash slurries

### Technical Data / Performance Data *

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixing capacity (20 batches/h)</td>
<td>5,6 m³/h</td>
</tr>
<tr>
<td>Effective mixer volume</td>
<td>280 l</td>
</tr>
<tr>
<td>Mixing water minimum</td>
<td>90 l</td>
</tr>
<tr>
<td>Mixer filling level (bag loading)</td>
<td>870 mm</td>
</tr>
<tr>
<td>Buffer tank volume</td>
<td>560 l</td>
</tr>
<tr>
<td>Water tank capacity</td>
<td>250 l</td>
</tr>
<tr>
<td>Flow rate</td>
<td>0 - 200 l/min, continuously adjustable</td>
</tr>
<tr>
<td>Discharge pressure</td>
<td>max. 100 bar, continuously limited</td>
</tr>
<tr>
<td>Solids grain size</td>
<td>max. 2 mm</td>
</tr>
<tr>
<td>Pressure connection</td>
<td>1 ¼&quot; IG</td>
</tr>
<tr>
<td>Water connection</td>
<td>Storz C</td>
</tr>
<tr>
<td>Cleaning connection</td>
<td>DN 25</td>
</tr>
<tr>
<td>Power connection</td>
<td>CEE-plug 63 A, 5-pole</td>
</tr>
<tr>
<td>Power input</td>
<td>29 KW</td>
</tr>
<tr>
<td>Voltage</td>
<td>400 V; 50 Hz</td>
</tr>
<tr>
<td>Dimensions</td>
<td>2.04 x 2.17 x 2.4 m (L x W x H)</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 1900 kg</td>
</tr>
</tbody>
</table>

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

- **Batch mixer** 280 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; mixing tank draining

- **Agitator tank** 560 l capacity;
  slow running agitator; with inclined tank bottom for better tank draining,
  tank wall with cleaning opening; tank lid with inspection port and safety-end switch

- **Double plunger pump** vertically arranged; automatic ball valves (inlet and exhaust valves)

- **Water tank** 250 l capacity; visual level indicator; automatic filling control

- **Water dosage** by manually operated ball valve

- **Separate connection** for cleaning hose including stopcock

- **Rinsing operation;** optional pumps for slurry or water possible; switching by manually operated valves

- **Pump suction pipe** with suction filter

- **Pump pressure pipes** with 2 lubricated high-pressure ball valves
  (1 x pressure relief for agitator tank, 1 x pressure port plunger pump)
  pressure pipe with pressure transmitter and visual pressure indicator (manometer 100 mm)

- **Hydraulic aggregate** with:
  - variable pump and fixed displacement pump
  - visual oil level indicator
  - return filter including visual contamination indicator;
  - oil minimum guard
  - venting nozzles
  - hydraulic control block with 2 hand wheels (1 x continuous adjustment of pump
    flow rate, 1 x continuous limiting of pump discharge pressure)
  - oil cooler

- **Steel frame** with working platform; central lifting eye; suitable seats for forklift
  and pallet truck handling; lifting eyes for transportation lock

- **Electrical function and power control** with the following display and control elements
  including protective cover (against vandalism)
  - Main switch ON/OFF
  - Mixer ON/OFF
  - Pump ON/OFF
  - Agitator ON/OFF
  - Diverse service counters
  - Operation hours counter pump
  - Emergency-off-button
  - Phase-control
  - Combined fault display
  - Operation mode switch
  - Stroke counter pump
  - Operation hours counter mixer

**Accessories (not included in delivery):**

- Remote control plunger pump (cable or radio)
- Electrical adjustment of flow rate (plunger pump)
- Electrical limitation discharge pressure (plunger pump)
- Digital display discharge pressure
- Workplace parasol (sun and weather protection)
- Data logging
- Grouting hoses
- Cleaning hose
- Water meter
- Mixer scale
- LED launder (with tripod)
- High-pressure cleaner

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Technical specifications are subject to change page 2/2