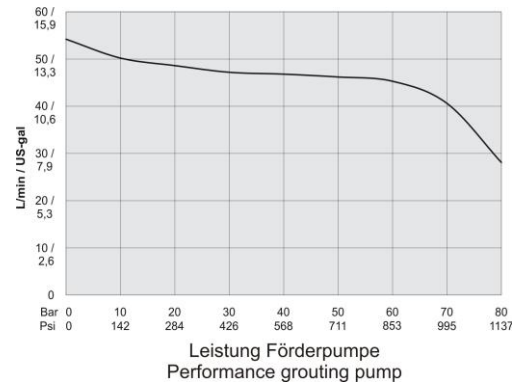


Technical Data sheet No. 303-20-E/E Grouting Unit VS 63-20-... electric drive

Application area: Grouting and post-grouting of anchors and mini-pilings

2 pc. combined mixing- and storage tank



Mixer performance of each mixer (2 pc.):
with bag cement: max. 3.4 m³/h

Technical Data

Type	VS 63-20-F/E	VS 63-20-G/E
<ul style="list-style-type: none"> › Max. pump quantity ¹⁾ › Max. pump pressure ¹⁾ 	54 l / 14.28 US gal 80 bar / 1160 psi	54 l / 14.28 US gal 80 bar / 1160 psi
<ul style="list-style-type: none"> › Pump valves automatic › Pump valves and circulation-/ pressure- Relief valve hydraulically operated <p>Special suitability for viscous suspensions and low pump speeds</p>	●	●
<p><i>Electro hydraulic drive</i></p> <ul style="list-style-type: none"> › Drive power in kW › Electric connection type › Voltage and frequency in Volt / Hz › Water connection 	11.0 CEE 32 A / 5P 400 / 50 "C"-coupling BSP 2"	11.0 CEE 32 A / 5P 400 / 50 "C"-coupling BSP 2"
<ul style="list-style-type: none"> › Pump power connection › Pump circulation connection 	BSP ¾ / RD 32	BSP ¾ / RD 32 BSP ¾ / RD 32
<ul style="list-style-type: none"> › Dimensions L x W x H in mm in inch 	2220 x 790 x 2000 ²⁾ / 2120 ³⁾ 87.4 x 31.8 x 78.7 ²⁾ / 83.5 ³⁾	2220 x 790 x 2000 ²⁾ / 2120 ³⁾ 87.4 x 31.8 x 78.7 ²⁾ / 83.5 ³⁾
<ul style="list-style-type: none"> › Weight 	800 kg / 1760 lbs	840 kg / 1828 lbs

¹⁾ Infinitely variable – both max. performances at the same time are not possible
Performance: typical pump performance, mentioned with water

²⁾ lifting eye unscrewed

³⁾ lifting eye fixed

1 bar = 1 x 10⁵ N/m²

Technical data as of March 2015, subject to change

VS 63-20-... Electric drive/ Machine technology

Frame:

- Skid mounted steel frame, partly encased
- Central lifting eye
- Forklift slots
- Paint RAL 1007 (yellow)

2 pc. mixing- and holding tank:

- Round tank, bottom inclined to outlet
- Cleaning hatch mounted in the bottom
- Tank capacity: 230 l (60.84 US gal), working capacity: 170 l (44.97 US gal)
- Hopper with bag ripper

Tools in mixing- and holding tank:

- Quick rotating mixing tool, without pump-off performance
- Drive bearing above the mixing level,
- no packing-seal therefore running-dry without problems

Operating elements:

- 2 x ball valves for switch-off/changing of the mixing rotation
- Turning knob for adjusting max. pressure
- Turning knob for changing speed of delivery rate (l/min /US gal/min)
- ON/OFF switch for electric motor
- ON/OFF switch for delivery pump (grout pump)
- 2 x ON/OFF button for semi-automatic water dosage (special equipment)

Only VS 63-20-G/E:

- Selector button for circulation/pressure reducing valve for pumping in circulation or to the grouting point (pressure connection)

Electric:

- Control voltage for valves and remote control 24 VDC

Special equipment:

- Control unit Control Pilot – (CoPi)
 - Grouting-/flushing indication in l/min. ²⁾
 - Set volume pre-selection in l total, with remaining volume indication in l ²⁾
 - Total volume indicator in l, with reset ²⁾
 - Total volume indication in l, without reset ²⁾
 - Hour meter
 - Storage and indication (on demand) of the grouting volume in l, of the last 20 anchor/grouting points

- (SD9) Remote switch connection
(SD20) Changing of the delivery rate speed electric-proportional (requirement for remote control adjustment)
(SF7) Entry plug according to desire
(SF8) Drive voltage and frequency according to desire
2 x SA 7/2 semi-automatic water dosage with level switch and magnet valve for water supply

Water dosage:

- Water distributor with flushing connection
- Water holding and dosing tank V=2x160 l (2x42.32 US gal)
- 2 pc. manually operated outlet valve

Delivery pump:

- Upright double-plunger pump, Ø 63 mm

VS 63-20-F/E:

- Pump valves automatic

VS 63-20-G/E:

- Pump valves and circulation-/pressure release valve hydraulically operated

Delivery pressure measurements at the pump:

- Pressure transmitter and analogue indication

Hydraulic:

- Oil tank capacity approx. 40 l (10.58 US gal)
- Oil filling- and breather filter
- Oil level- and temperature indication
- Control for oil filter pollution

Motor:

- Electric motor 11 kW / 400 V / 50 Hz

Accessories:

- Special tools for operation and service,
- Operation instructions and spare parts list

Optional extras:

- Spare parts sets
- Pressure hoses
- Remote controls
- Separate pressure gauge measuring unit
- Separate flow measuring unit

Supplement tools and products:

- Mixer, storage tanks
- Mixing plant for solid agent suspensions or silicate mixture
- Electric pressure and flow measuring units
- LOG-data recording units and –software, even suitable for remote control of the grout pump

¹⁾ Values mentioned by pump stroke-counter

²⁾ Value mentioned by pressure sensor in pressure discharge of the conveyor pump, adjustable on separate pressure sensor, p.e. at the grouting point