

Technical Data sheet No. 303-20-D/ E

Grouting unit VS 63-20-D

Application area: Grouting and post-grouting of anchors and mini-pilings
 2 pc. combined mixing- and storage tank

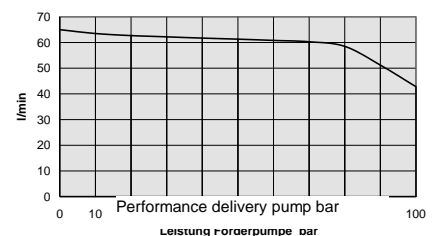


Technical Data

Drive		: Diesel-hydraulic : 18.7 kW
Connections	- Water - Grout pump pressure side	: "C"-coupling, DN 50 : G 3/4" / RD 32
Dimensions (L, W, H)		: 2450 x 820 ²⁾ / 930 ³⁾ / x 2065 mm
Weight		: approx. 994 kg

Performance

Each mixer (2 pc.)		
With cement bags	: max. 3.4 m ³ /h	(899.5 US gal/h)
Grout pump		
Pressure	: max. 100 bar ¹⁾	(1450 psi)
Quantity	: max. 65l/min ¹⁾	(17 US gal/min)



¹⁾ Infinitely variable – both max. performances at the same time are not possible
 Performance: typical pump performance, mentioned with water
²⁾ feed hopper and engine door unscrewed
³⁾ feed hopper and engine door fixed
 1 bar = 1 x 10⁵ N/ m²

Technical data as of March 2017 – subject to change

VS 63-20-D Diesel 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 delivery pump (grout pump)
- 2 x ON/OFF button for semi-automatic water dosage (special equipment SA 7/2)

Electric:

- Control voltage for valves and remote control 24 VDC

Special equipment:

- Control unit Control Pilot – (CoPi)
 - Grouting-/Flushing volume indication in l/min. ²⁾
 - Set volume pre-selection in l total, with remaining volume indication in l ²⁾
 - Total volume indication 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 places
- (SD9) Remote switch connection
- (SD20) Changing of the delivery rate speed electric-proportional (requirement for remote control adjustment)
- (S6) Special paint according to desire
- 2 x SA7/2 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
- Pump valves automatic

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

Diesel drive:

- 3-cylinder Diesel engine, cooled by liquid material meets exhaust emission standards: EU Stage III A, EPA Int. Tier 4 the motor is certificated for usage in USA
- sound absorption
- tank capacity approx. 40 l (10.6 US gal)
- starter battery 12 V/ 70 Ah

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
- s. price list accessories -

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, e.g. at the grouting point