

# 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

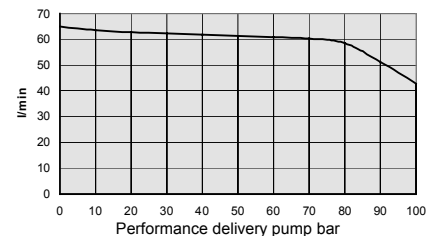


### Technical Data

Drive		: Diesel-hydraulically : 18.7 kW
Connections	- Water - Grouting pump pressure side	: "C"-coupling, DN 50 : G 3/4" / RD 32
Dimensions (L, W, H)		: 2450 x 820 <sup>2)</sup> / 880 <sup>3)</sup> x 2065 mm
Weight		: approx. 890 kg

### Performance

Each mixer (2 pc.) With cement bags	: max. 3.4 m <sup>3</sup> / h (899.5 US gal/h)
Grouting pump Pressure	: max. 100 bar <sup>1)</sup> (1422 psi)
Quantity	: max. 65l/ min <sup>1)</sup> (17 US gal/min)



<sup>1)</sup> Infinitely variable – both max. performances at the same time are not possible  
 Performance: typical pump performance, mentioned with water  
<sup>2)</sup> feed hopper unscrewed  
<sup>3)</sup> feed hopper eye fixed  
 1 bar = 1 x 10<sup>5</sup> N/ m<sup>2</sup>

Technical data as of Jan. 2008, 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 3000 (red)

## 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 (grouting 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:

- (SD30) Watch A1-Modul for:
  - Delivery rate speed indication: l/min /US gal/min<sup>1)</sup>
  - Required quantity pre-selector: l / US gal total, with remaining quantity: l /US gal<sup>1)</sup>
  - Total quantity indication: l /US gal - with re-set<sup>1)</sup>
  - Total quantity indication: l /US gal- without re-set<sup>1)</sup>
  - Pressure indication: bar / psi<sup>2)</sup>
- (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. hand 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 satisfies exhaust emission standards: Europe = step II, USA = Tier 2 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 grouting pump

<sup>1)</sup> Values mentioned by pump stroke-counter

<sup>2)</sup> Value mentioned by pressure sensor in pressure discharge of the conveyor pump, adjustable on separate pressure sensor, e.g. at the grouting point