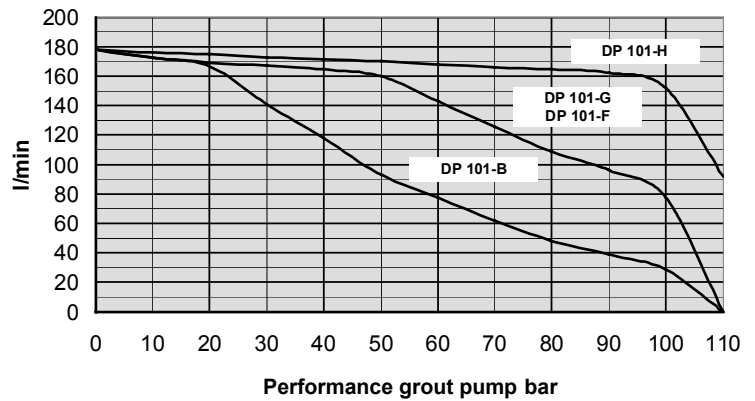


Grouting pump DP 101-...



Applications : grouting and post-grouting of anchors and micropiles
Soil mix work, flush-drilling, flushing aid for pile driving and vibrating works

Grouting materials : water- solid agent suspensions



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Technical data:

Type	DP 101-B	DP 101-F	DP 101-G	DP 101-H
Max. pump volume in l/min. ¹⁾	170	170	170	170
Max. pump pressure in bar ¹⁾	100	100	100	100
Self-acting pump valves	●	●	---	●
Pump valves, and circulation valve	---	---	●	---
Pressure and relief valves are hydraulically operated	---	---	●	---
Special suitability for viscous suspensions and low pump speed				
Electro-hydraulic drive				
Drive output in kW	15	22	22	37
Electric connection	CEE 32A / 5P	CEE 63A / 5P	CEE 63A / 5P	CEE 125A / 5P
Voltage and frequency (V / Hz)	400 / 50	400 / 50	400 / 50	400 / 50
Suction connection to pump (2pc)	●	●	●	●
Plug-in system size III / DN 50				
Pressure connection	G 1"	G 1"	G 1"	G 1"
Circulation connection	G 1"	G 1"	G 1"	G 1"
Dimensions L x W x H in mm	1400 x 900 x 2100	1400 x 900 x 2100	1400 x 900 x 2100	1400 x 900 x 2100
Weight in kg	1100	1150	1220	1300

* Picture shows DP 101 with option complete panelling RV 101 and option Watch-A1

Infinitely variable – max. volume and max. pressure cannot both be achieved simultaneously
Performance: typical performance, determined with water
1 bar = 1 x 10⁵ N/m²

Issue date: Dec 2005. Subject to modification

DP 101-... MACHINE TECHNOLOGY

Frame:

- skid mounted steel frame, partly encased
- fork lift guide
- 4 lifting eyes
- painted in colour RAL 3000 (red)
- complete panelling option RV 101

Grouting pump:

DP 101-B, DP 101-F, DP 101-H: pump with ball valves

DP 101G: pump valves and circulation valve hydraulically operated

- upright double plunger pump, Ø 100 mm
- pump valves easy for maintenance
- all important pump parts are surface treated and can be cleaned without damage

Hydraulic:

- oil tank working capacity approx. 100 l (11 US gal)
- oil tank of stainless steel, suitable for bio-oil
- Bio oil (B10) ³⁾

Electric:

- electric motor for drive of the hydraulic pump
- DP 101-B: 15 kW, 400 V, 50 Hz
- DP 101-F, DP 101-G: 22 kW, 400 V, 50 Hz
- DP 101-H: 37 kW, 400 V, 50 Hz
- automatic phase correction
- control voltage for valves and remote control 24 V DC
- neutral wire in CEE 16 A conductor not necessary machine for power supply with 60 Hz (Freq. 60) ³⁾

Operation and indication elements:

- digital indication of grouting pressure ¹⁾
- adjustment of grouting pressure:
 - max. hydraulic pressure
- electroprop. adjustment of the pump speed (SD 20) ³⁾
- control unit Watch A1 (SD 30) ³⁾
- indication of flowrate in l/min. ²⁾
- volume preselection in l total, with remainder indication in l ²⁾
- total volume indication with and without reset
- remote control connection (SD 9)
- **remote control** ³⁾
- cable remote control RC 1 or RC 2

Accessories:

special tools for operation and maintenance, if necessary
operation manual and list of spare parts, 3fold
spare parts package (mini, standard, overseas) ³⁾
suction hoses ³⁾
pressure hoses ³⁾
pressure and flow measuring devices ³⁾

Additional machines and products:

- Mixer, storage tank
- mixing plant for solid agent suspensions or sodium silicate mixtures
- Electronic pressure and flow measuring devices
- LOG-data registration unit and software, also suitable for remote control of grouting pumps
- grouting packers

¹⁾ pressure measurement either directly at grouting pump or by separate pressure sensor type MAP at grouting point

²⁾ measurement of flowrate by stroke at grouting pump

³⁾ **optional**