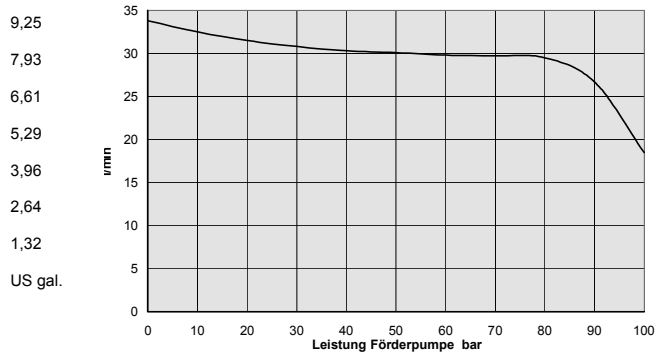


Grout pump DP 50-4-...



Applications : post-grouting grouting
Grouting materials : water with solids in suspension sodium silicate mixtures



Grouting pump performance (bar)

psi 142.2 284 426.6 568.8 711 853.2 995.4 1137.6 1279.8 1422

Technical data

Type	DP 50-4-F	DP 50-4-G
Max. pump volume in l/min. ¹⁾	34	34
Max. pump pressure in bar ¹⁾	100	100
Self-acting pump valves	●	
Special suitability for viscous suspensions and low pump speed		
Pump valves, and circulation valve are hydraulically operated		●
Electro-hydraulic drive		
Drive output in kW	7.5	7.5
Electric connection	CEE 16A / 5P	CEE 16A / 5P
Voltage and frequency (V / Hz)	400 / 50	400 / 50
Suction connection to pump (x 2)	Connecting system size I	Connecting systems size I
Pressure connection	G 3/4 / RD 32	G 3/4 / RD 32
Circulation connection		G 3/4 / RD 32
Dimensions L x W x H in mm	790 x 620 x 1480 ¹⁾ / 1560 ²⁾	790 x 620 x 1480 ¹⁾ / 1560 ²⁾
Weight in kg	280	300

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

¹⁾ lifting eye unscrewed

²⁾ lifting eye fixed

Issue date: April 2005. Subject to modification

DP 50-4-... MACHINE TECHNOLOGY

Frame:

- skid mounted steel frame, partly encased
- fork lift guide
- central lifting eye
- painted in colour RAL 3000 (red)

Grouting pump:

DP 50-4-F: pump with ball valves

DP 50-4-G: pump valves and circulation valve hydraulically operated

- upright double plunger pump, Ø 50 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. 40 l (11 US gal)
- oil tank of aluminium, suitable for bio-oil
- Bio oil (B10) ³⁾

Electric:

- electric motor for drive of the hydraulic pump
- 7.5 kW, 400 V, 50 Hz, IP 54
- 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**