

High-Pressure-Pump-Unit

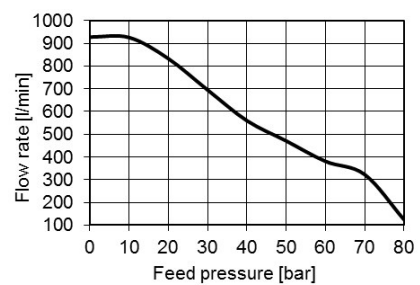
HPS 200-E-B



Technical Data

Drive	Electro-hydraulic
Drive Power	55 kW
Total Power Consumption	approx. 56 kW
Connections Electrical	CEE 125 A / 400 V AC, 50 Hz, IP 54
In-/Outlets	
Suction line	1 x Kamlok 400 MT - DN 100
Pressure line	G 1 ½ BSPP IG DN 40 - RD 55
Circulation line	G 1 ½ BSPP IG DN 40 - RD 55
Dimensions (L x W x H)	2.430 x 860 x 2.180 (mm)
Weight	approx. 2.950 kg
Application	Pumping of cement-, fly ash- and bentonite suspensions at anchoring, groutings, fillings, flushings, piling and vibrating jobs, Soil-Mixing WSM (Single-, Twin-, Triple-Mix) and Cutter-Soil-Mix CSM

Performance Delivery Pump	
Pressure	max. 80 bar ¹⁾ [max. 1.160 psi] ¹⁾
Flow rate	max. 920 l/min. ¹⁾ [max. 243 gal U.S.] ¹⁾



¹⁾Infinitely variable. Both max. performances are not simultaneously possible. 1 bar = 1 x 10⁵ N/m²
(Status April 2016 / Technical changes reserved)

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Standard Features

Framework

skid steel frame, partially enclosed and with partition panel, floor and oil pan, four towing devices, fork lift guides transversal, machine room sound proofed, lockable doors, finishing 2K-paint RAL 5005 (signal blue) or on customer desire unicoloured

Electric Drive

electric motor 55 kW, 1.500 rpm, 400 V AC, 50 Hz, IP 54, automatic phase correction, motor safety switch, control voltage 24 V DC (for valves and remote control), operating hour meter

Hydraulic

oil tank volume 350 l [92 gal U.S.], axial piston pump and gear pumps, oil cooler with thermostat, main and control oil filter, oil filling and ventilation filter, electrical oil filter pollution control, oil level and temperature indicator, manometer for hydraulic and control oil pressure, pressure and flow infinitely variable

Delivery Pump

vertical two-plunger pump \varnothing 200 mm, flow rate per double stroke $V = 17,5$ l [4,62 gal U.S.], pump valves (suction and pressure line) self-acting (disc valves), circulation and pump-down valves manually actuated, flow rate adjustment electro-proportional, automatic grease system for plunger sealing sleeves, plunger oil tank

Delivery Pressure Measurement

manometer 0-100 bar [1.450 psi] \varnothing 100 mm completely with stainless steel membrane, electronic pressure sensor 0-100 bar [1.450 psi], 4-20 mA, G $\frac{1}{2}$ BSPP AG with LCD display on switch cabinet

Operating Devices

rotary knob for max. delivery pressure adjustment bar [psi], rotary knob for max. flow rate adjustment l/min. [gal U.S./min.], flow rate counter l/min. [gal U.S./min.] and l/total [gal U.S./total] with zero-setting, auto pre-select counter for flow rate l/total [gal U.S./total], main switch, control lamp for voltage and power, ON/OFF push button for hydraulic motor, ON/OFF push button for delivery pump, ON/OFF switch for remote control, AUTOMATIC START push-button for delivery pump, EMERGENCY STOP switch

Accessories (included)

operating instruction and spare part list, special tools for operation and maintenance, cable remote control 15 m and cable reel 100 m, suction hose 3 m, circulation hose

Accessories (optional)

spare part kits, grouting hoses, suction hoses, fittings

Supplementary Devices

mixing and storing tanks for solid suspensions, dosing devices, screw-conveyors, radio remote control, control devices, electronic data acquisition and recording, regulating and measuring systems RMS with computer evaluation per USB and injection journal, flow meter with delivery pressure measuring, electronic delivery pressure devices (pressure transmitter) at injection place, devices for radio data transmission

Further devices, special equipments and accessories on request!