

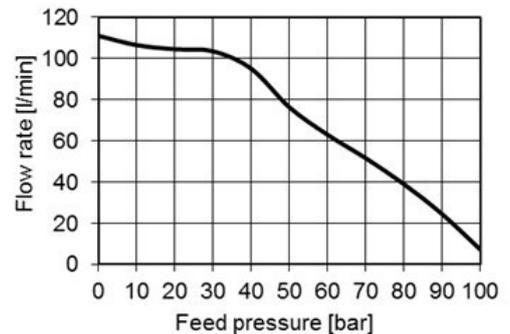
Injection-Pump IP 80-E-B-KV



Technical Data

Drive	Electro-hydraulic
Drive Power	11 kW
Total Power Consumption	approx. 11,5 kW
Connections	
Electrical	CEE 32 A / 400 V AC, 50 Hz, IP 54
Outlet	
Suction line	G 1 ½ BSPP IG DN 40 - Kamlok 150 MT
Pressure line	G 1 BSPP IG DN 25 - RD 38
Circulation line	G ¾ BSPP IG DN 20 - RD 32
Dimensions (L x W x H)	930 x 700 x 1.540 (mm)
Weight	approx. 700 kg
Application	Pumping / injecting of cement-, micro-cement, fly ash and bentonite suspensions at injections, anchorings, fillings, groutings and sealings

Performance Delivery Pump	
Pressure	max. 100 bar ¹⁾ [max. 1.450 psi] ¹⁾
Flow rate	max. 111 l/min. ¹⁾ [max. 29,3 gal U.S.] ¹⁾



¹⁾Infinitely variable. Both max. performances are not simultaneously possible. 1 bar = 1 x 10⁵ N/m²
(Status February 2017 / Technical changes reserved)

Injection-Pump IP 80-E-B-HGV



Standard Features

Framework

skid steel frame, partially enclosed and with partition panel, floor and oil pan, central towing device, fork lift guides longitudinal, lockable doors, finishing 2K-paint RAL 5005 (signal blue) or on customer desire

Electric Drive

electric motor 11 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 80 l [21 gal U.S.], axial piston pump, oil cooler, main oil filter, oil filling and ventilation filter, electrical oil filter pollution control, oil level and temperature indicator, membrane accumulator, manometer for hydraulic pressure, pressure and flow infinitely variable

Delivery Pump

vertical two-plunger pump \varnothing 80 mm, flow rate per double stroke $V = 1,7$ l [0,45 gal U.S.], pump valves (suction- and pressure line) self-acting (ball valves), circulation and pump-down valves manually actuated, flow rate adjustment electro-proportional, manual grease system for plunger sealing sleeves and manually with plunger oil, safety grid

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 1/2 BSPP AG

Operating Devices

main switch, control lamp for voltage and power, ON/OFF push button for hydraulic motor and delivery pump, pre-select switch for REMOTE CONTROL ON/OFF, pre-select switch for HAND / AUTOMATIC, push-button for AUTOMATIC START / STOP, EMERGENCY STOP push-button, 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], socket for remote control

Accessories (included)

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

Accessories (optional)

spare part kits, grouting hoses, suction hoses, fittings, grouting grippers

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!