

# Injection-Pump

## IP 36-E-A-HGV



### Technical Data

Drive Electro-hydraulic  
 Drive Power 4,0 kW  
 Total Power Consumption approx. 4,5 kW

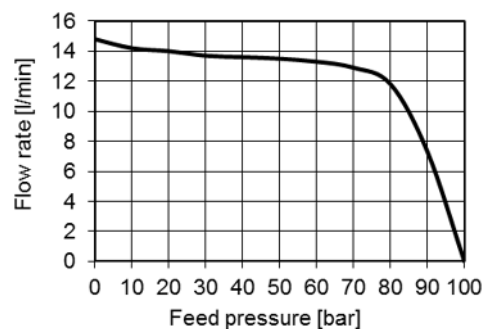
Connections Electrical CEE 16 A / 400 V AC, 50 Hz, IP 54

Outlet  
 Suction line G ¾ BSPP IG DN 20 - RD 32  
 Pressure line G ½ BSPP IG DN 15 - RD 32  
 Circulation line G ½ BSPP IG DN 15 - RD 32

Dimensions (L x W x H) 800 x 480 x 1.380 (mm)  
 Weight approx. 280 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<sup>1)</sup>  
 [max. 1.450 psi]<sup>1)</sup>  
 Flow rate max. 14,5 l/min.<sup>1)</sup>  
 [max. 3,8 gal U.S.]<sup>1)</sup>



# Injection-Pump IP 36-E-A-HGV



## Standard Features

### Framework

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

### Electric Drive

electric motor 4,0 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 40 l [10,5 gal U.S.], double gear pump, oil cooler, main oil filter, oil filling and ventilation filter, optical 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 Ø 36 mm, flow rate per double stroke  $V = 0,32$  l [0,08 gal U.S.], pump valves (suction- and pressure line) hydraulically controlled (disc valves), circulation and pump-down valves hydraulically controlled, flow rate adjustment electro-proportional, manual grease system for plunger sealing sleeves and manually with plunger oil

### Delivery Pressure Measurement

manometer 0-100 bar [1.450 psi] Ø 63 mm completely with stainless steel membrane, electronic pressure sensor 0-100 bar [1.450 psi] 4-20 mA G ½ BSPP AG

### Operating Devices

main switch, control lights CURRENT POWER and CONTROL VOLTAGE, warning light EMERGENCY-STOP ACTIVATED, buttons HYDRAULIC MOTOR ON/OPERATION and HYDRAULIC MOTOR OFF/MALFUNCTION, button EMERGENCY-STOP, buttons PUMP ON and PUMP OFF, switches PUMPING/CIRCULATION, REMOTE CONTROL ON/OFF and HAND / AUTOMATIC / AUTO-CIRCULATION, button AUTOMATIC START/STOP, rotary knob for max. DELIVERY PRESSURE adjustment, potentiometer FLOW RATE, 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], **Connection options:** socket REMOTE CONTROL with EMERGENCY-STOP bridge plug

### Accessories (included)

documentation, 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, 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!*