DESOI FlowControl II - PU

No. 14238

Description

The combination of DESOI FlowControl II - PU and reciprocating pump DESOI AirPower L36-2C is the optimal solution for injections with PU and silicate resins. Thanks to the large-diameter material channels, the piston pump is also suitable for highly viscous materials, achieving a maximum flow rate of 20 l/min at a mixing ratio of 1 : 1. The DESOI Flow Control II monitors and records the material consumption, the injection pressure and the mixing ratio.

Material to be used

- 2-component polyurethane resin
- 2-component silicate resin

Delivery range

moving device, suction system, control cabinet with integrated control, 10 m supply cable, on / off switch, control lamp, graphic colour display in the desk housing with splash-proofed USB port for data transmission, 10 m connecting line with integrated signaler, gear flow sensors, pressure sensor, notebook with software for data evaluation based on WIN 10 in conjunction with Excel 2016, backup utility Acronis True Image 2018 and 32 GB USB stick Including professional instruction on the site by an experienced application technician and subsequent application support *(approx. 2 hours)*. Arrival and departure will be charged on a time and material basis.

Advantages

- Large material passages - appropriate also for highly viscous material
- Manometers at machine outlet for pressure control component A and component B
- Adjustment of the flow rate

DESOI FlowControl II documents

- Material consumption per packer
- Mixing ratio
- Injection pressure per packer
- Injection duration per packer
- Order of injections
- Re-injections
- Date and time of injection

The system automatically stops on

- Reaching pre-set parameters for material consumption
- Reaching pre-set parameters for injection pressure
- Exceeding pre-set parameters for mixing ratio

1. Pressure regulator with manometer and anti-freeze device
2. Gear-type flow sensors and pressure sensor

Technical data	
Working pressure - infinitely variable	5 – 200 bar
Delivery	max. 20 l/min
Compressed air consumption	2.5 m³/min
Transmission ratio	1 : 25
Mixing ratio	1 : 1
Air pressure	max. 8 bar
Weight	92 kg
L x W x H	110 x 55 x 65 cm

DESOI FlowControl II - PU	
Supply voltage (factory-set)	110 V/230 V
Power consumption	350 W
Storage medium	integrated SD card
Storage capacity	2 GB
Data transfer	USB flash drive
Measuring - range flow	0.1 – 32 l/min
Measuring - range pressure	0 – 250 bar
Measuring accuracy	± 1 %
Weight - control box	11.2 kg
Weight - display	2.7 kg
L x W x H - control box	21.5 x 30 x 30 cm
L x W x H - display	10 x 27 x 25 cm

Accessories	No.
Spare and wear part set DESOI FlowControl II - PU	**14238-EVS**

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DESOI FlowControl II

Description

The DESOI Flow Control II technology allows injection and metering processes to be electronically recorded. During the injection process, the data is monitored and then digitally processed. The DESOI Flow Control II devices permanently supervise the injection pressure, consumption rate and mixing ratio. In case of deviations or if pre-set parameters are reached, an alarm is activated and the injection procedure can be stopped. The completion of the injection can be verified and recorded using a stopwatch function. The operator starts the stopwatch after the injection is completed. If a drop in the pressure or a flow of material outside the defined tolerance range is detected during the monitoring, then the monitoring should be repeated. The entire protocol of all such recordings provides a complete documentation of each injection procedure, which should then be made available to the customer.

DESOI offers the following services

- Individual technical consulting
- Expert on-site instruction on the system
- System rental

Advantages for planners and owners

The DESOI Flow Control II technology ensures that the consumption rates and technical parameters as defined by project engineers are permanently monitored and maintained, eg. with regard to mixing ratio and injection pressure. The systems provided are reliable, robust, and proven on thousands of construction sites around the world, guaranteeing both safety and an exceptional level of injection quality. Systems can be pre-configured in accordance with project and application requirements.

Graphic colour display in desk housing

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