

DESOI FlowControl II - A

No. 14271

Description

The combination of DESOI FlowControl II and DESOI AirPower M35-3C VA is ideal for injection work with acrylate gel. The reciprocating pump achieves a maximum flow rate of 13 l/ min. at a mixing ratio of 1 : 1 and is equipped with a separate rinsing pump. The seals inside are pretensioned by an integrated spring so that there is no need to retension them manually. The DESOI FlowControl II monitors and records the material consumption, the injection pressure and the mixing ratio.

Material to be used

- Acrylate gel

Delivery range

DESOI AirPower M35-3C VA: moving device, suction system, 2 x pressure gauge with manometer 0 – 250 bar, rinsing pump S25, incl. instruction manual

DESOI Flow Control II: 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 transfer, 10 m connecting line with integrated signaler, flow sensors, pressure sensor, notebook with software for data evaluation based on WIN 10 in conjunction with Microsoft Excel 2016, backup utility Acronius True Image 2018 and 8 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-diameter material channels
- All material-contacting parts made of stainless steel
- Seals pretensioned by integrated spring
- Low-wear, easy to maintain

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



1. Flow sensors

2. Pressure regulator with manometer and anti-freeze device

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

Technical data - DESOI AirPower M35-3C VA

Working pressure - infinitely variable	5 – 120 bar
Delivery	
- at compressor output of 0.7 m ³ /min (2 x Compressor V-Meko 400)	max. 10 l/min
- at compressor output of 1.3 m ³ /min	max. 13 l/min
Compressed air consumption	min. 0.5 m ³ /min
Transmission ratio	1 : 15
Mixing ratio	1 : 1
Air pressure	max. 8 bar
Weight	106 kg
L x W x H	112 x 55 x 76 cm

Rinsing pump S25

Working pressure - infinitely variable	7 – 220 bar
Delivery	5 l/min
Transmission ration	1 : 28

Accessories

Spare and wear part set DESOI AirPower M35-3C VA	No. 14271-EVS
Set of tools DESOI AirPower M35-3C VA	14271-WS

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All information and data in this technical data sheet are based on the current state of technology. We reserve the right to make technical modifications. The consumption data given here are average values based on experience therefore deviations cannot be excluded. 09/2019

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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



Test certificate P 5.1/15 -445-1 from 08th April 2016
 Function of the evaluation and documentation unit
 Desoi Flow Control II – execution gel in conjunction
 with the reciprocating pump Desoi PN-1435-3K

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



Graphic colour display in desk housing

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.