

DESOI w.i.l.m.a. - AY

No. 14290

Description

The combination DESOI w.i.l.m.a. and DESOI AirPower M35-3C VA is ideal for injection work with acrylic gel. The piston pump achieves a delivery rate of max. 13 l/min at a mixing ratio of 1 : 1 and is equipped with a separate rinsing pump. The sealing sets inside are protected by an integrated spring pre-tensioned, manual re-tensioning is not necessary. DESOI w.i.l.m.a. monitors and documents 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, 1.2 m suction system Ø 20 mm with suction basket Ø 100 mm: component A and B: black, 2 x manometer 0 - 250 bar, rinsing pump S25, 1.2 m suction system Ø 13 mm with suction basket Ø 40 mm: black, material hose connection:

component A: external thread M16x1,5;

component B: external thread M14x1,5;

rinsing connection: external thread M12x1,5;

return hoses Ø 8 mm: transparent,

air connection: air plug NW 7.2,

DESOI w.i.l.m.a.: control cabinet with integrated control, 10 m supply cable, on/off switch, control lamp, 2 x flow sensor, pressure sensor, Rugged Tablet PC 10.1" IP67 with Software for w.i.l.m.a. and protective foil, incl. instruction manual

Advantages

- Big material passages
- Fixed mixing ratio 1 : 1 - continuously electronically monitored
- All material contacting parts of stainless steel
- Easy maintenance and repair

You can find more information on the application and process techniques with the DESOI w.i.l.m.a. in the STUVA ABI leaflet "Sealing of structures by injection", 4th edition - Part III/1.3.2 from p. 57.



1. Flow sensor

2. Pressure regulator with manometer and anti-freeze device

Technical data

Working pressure - infinitely variable	5 - 120 bar
Delivery rate	
- with air performance of 0,7 m ³ /min (2x compressor V-Meko 400)	max. 10 l/min
- with air performance of 1.3 m ³ /min	max. 13 l/min
Air consumption	min. 0,5 m ³ /min
Transmission ratio	1 : 15
Mixing ratio	1 : 1
Air pressure	max. 8 bar
Weight	85 kg
L x W x H	77 x 57 x 112 cm

Rinsing pump

Working pressure - infinitely variable	7 - 220 bar
Delivery rate	5,1 l/min
Transmission ratio	1 : 27,5

Accessories

Accessories	No.
Set of spare and wear parts	
DESOI w.i.l.m.a. - AY (DESOI AirPower M35-3C VA)	14290-EVS
Set of tools	
DESOI w.i.l.m.a. - AY (DESOI AirPower M35-3C VA)	14290-WS

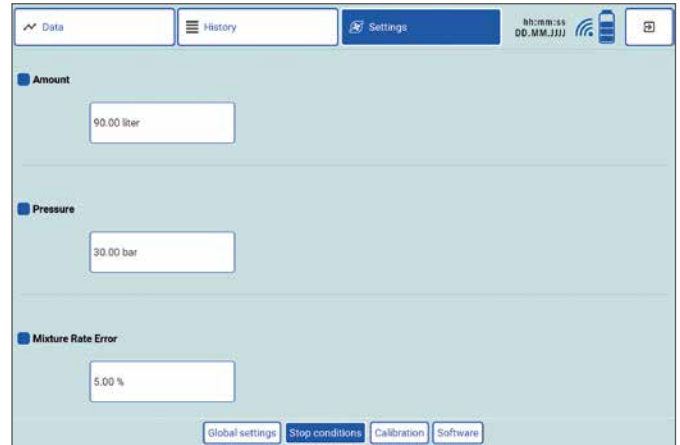
DATA LOGGER

Control cabinet

Supply voltage (<i>adjustable ex works</i>)	110 - 230V/ 0,5 Ampere
Storage type	digitally on tablet
Data transfer	WLAN
Measuring range - volume (<i>depending on the sensor</i>)	max. 100 l/min
Measuring range - pressure (<i>depending on the sensor</i>)	max. 250 bar *
Measurement accuracy	± 2 % v ME
Weight	8,62 kg
L x W x H	30 x 19 x 33 cm
	* 1 bar = 105 Pa. (Pascal)

Tablet

Storage type	digitally on tablet
Hard disk space	64 GB
Data transfer	WLAN
Weight - tablet	1,26 kg
L x W x H - tablet	28 x 19 x 3,5 cm



Example of input mask

IMPORTANT !!!

- A professional briefing is mandatory (*free of charge on collection*)
- On-site instruction on the construction site by an experienced application technician with subsequent application support is also possible (*2 hours included*)
- Arrival and departure are charged at cost
- A tariff must be selected for the w.i.l.m.a. data management system

PRO

Suitable for upgrading to the PRO version.

ACCESSORIES	UNIT	No.
3C mixing head - stainless steel 2 x HP ball valve, 2 x HP ball valve steel (<i>rinsing</i>), 2 x check valve, mixing housing with pressure sensor 0 - 250 bar, static mixing tube with 4 x inline static mixer, sliding coupling with free passage Ø 4 mm, material hose connections: component A: M16x1.5; component B: M14x1.5; rinsing connection: M12x1.5	1 x	17773
HP hose - stainless steel Ø 6 mm, 10 m, union nuts M16x1.5	1 x	16861
HP hose - stainless steel Ø 6 mm, 10 m, union nuts M14x1.5	1 x	16860
HP hose - stainless steel Ø 6 mm, 10 m, union nuts M12x1.5	1 x	16813

All parts also available separately.



3C mixing head - stainless steel



HP hose - stainless steel

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. 05/2025