

DESOL w.i.l.m.a. - PU

No. 14296

Description

For the processing of PU and silicate resins the combination DESOL w.i.l.m.a. with the piston pump DESOL AirPower L36-2C is the optimal solution. Due to the large dimensioned material passages, the piston pump is also suitable for highly viscous injection materials and achieves a delivery rate of max. 20 l/min at a mixing ratio of 1 : 1. DESOL w.i.l.m.a. monitors and documents the material consumption, the injection pressure and the mixing ratio.

Material to be used

- 2C polyurethane
- Silicate resin

Delivery range

DESOL AirPower L36-2C: moving device, 3 m suction system Ø 20 mm with suction basket Ø 100 mm: component A: transparent, component B: black, 2 x manometer 0 – 400 bar, material hose connection: component A: external thread G ½", component B: external thread G ¾", return hoses Ø 13 mm: transparent, air connection set: claw coupling 42 mm, air plug NW7.2;

DESOL 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
- Easy maintenance and repair
- Fixed mixing ratio 1 : 1 - continuously electronically monitored



1. Pressure regulator with manometer and anti-freeze device

2. Flow sensor

Technical data

Working pressure - infinitely variable	5 – 200 bar
Delivery rate	max. 20 l/min
Air consumption	2,5 m ³ /min
Transmission ratio	1 : 25
Mixing ratio	1 : 1
Air pressure	max. 8 bar
Weight	110 kg
L x W x H	116 x 56 x 98 cm

Accessories

	No.
Set of spare and wear parts	
DESOL w.i.l.m.a. - PU (DESOL AirPower L36-2C)	17606-EVS
Set of tools	
DESOL w.i.l.m.a. - PU (DESOL AirPower L36-2C)	17606-WS

You can find more information on the application and process techniques with the DESOL 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.

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

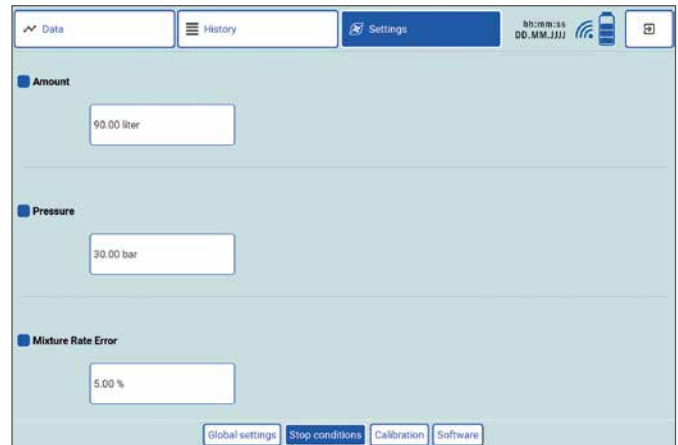
DATA LOGGER

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.
2C mixing head - steel 2 x HP ball valve, 2 x check valve stainless steel, mixing tube with 12 x inline static mixer, whip 0.3 m long, sliding coupling straight with free passage Ø 2.5 mm, material hose connections: component A: G ½", component B: G ¾"	1 x	17812-12
HP hose - steel Ø 10 mm, 10 m, union nuts G ¾"	1 x	16865
HP hose - steel Ø 10 mm, 10 m, union nuts G ½"	1 x	16866

All parts also available separately.



2C mixing head - steel



HP hose - steel

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