

## DESOI w.i.l.m.a. - PU

No. 14304

### Description

The pneumatic reciprocating pump DESOI AirPower S25-2C combines high capacity with compact design. Due to the directly mounted seals on the piston, retensioning is not necessary. The result is a very maintenance-friendly machine. DESOI w.i.l.m.a. monitors and documents the material consumption, the injection pressure and the mixing ratio.

### Material to be used

- 2C polyurethane

### Delivery range

DESOI AirPower S25-2C: moving device, 1.5 m suction system Ø 19 mm with suction basket Ø 40 mm;  
2 x manometer 0 – 250 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;  
DESOI w.i.l.m.a.: control cabinet with integrated control, 10 m supply cable, on/off switch, control lamp, 2 x flow sensors, pressure sensor, Tablet Microsoft Surface Go 2 Platinum with protective cover, incl. instruction manual

### Advantages

- Big material passages
- Easy maintenance and repair
- Fixed mixing ratio 1 : 1 - continuously electronically monitored



1. Flow sensors with pressure sensor
2. Pressure regulator with manometer

### Technical data

Working pressure - infinitely variable	10 – 100 bar	
Delivery rate	7,6 l/min	
Air consumption	1 m³/min	
Transmission ratio	1 : 13	
Air pressure	max. 8 bar	
Air consumption and delivery rate at 100 bar back pressure (injection pressure)		
	Air consumption	Delivery rate
	75 l/min	0,5 l/min
	133 l/min	1 l/min
	283 l/min	2 l/min
	391 l/min	3 l/min
Mixing ratio	1 : 1	
Weight	60 kg	
L x W x H	70 x 57 x 112 cm	

### Accessories

	<b>No.</b>
Set of spare and wear parts	
DESOI w.i.l.m.a. - PU (DESOI AirPower S25-2C)	<b>14304-EVS</b>
Set of tools	
DESOI w.i.l.m.a. - PU (DESOI AirPower S25-2C)	<b>14304-WS</b>

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.

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. 09/2024

## DATA LOGGER

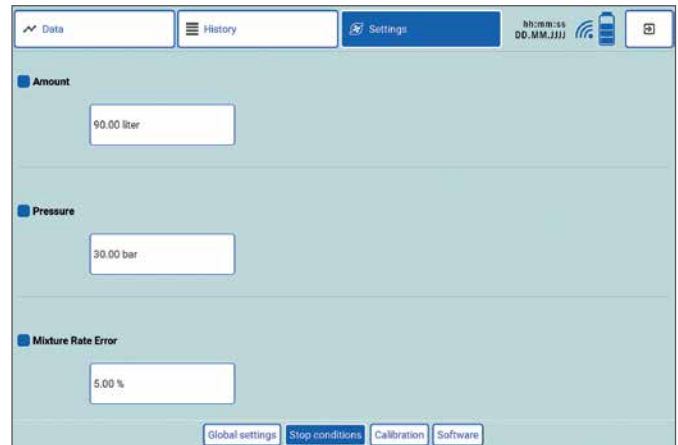
### Control cabinet

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 kg
L x W x H - tablet	28 x 20 x 3 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.
<b>2C mixing head - steel</b> 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
<b>HP hose - steel Ø 10 mm, 10 m, union nuts G ¾"</b>	1 x	16865
<b>HP hose - steel Ø 10 mm, 10 m, union nuts G ½"</b>	1 x	16866

All parts also available separately.



2C mixing head - steel



HP hose - steel

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