

DATA SHEET

Si-51

Peristaltic pump

Sauermann® part #: SI51CE01UN23



This peristaltic pump is designed for all types of air conditioners up to 8 kW: wall units, air conditioning cabinets, ceiling units and ducted units.

Equipped with two remote temperature sensors, the Si-51 activates when the temperature difference between the air entering and leaving the air conditioner exceeds 6 °C. The pump continues to run for 4 minutes when the temperature difference falls below 6 °C.

Ideal applications:

- Businesses and industries with high levels of dust (bakeries, etc.) and chemicals (hairdressers, etc.)
- Hotels (maintenance possible without accessing the rooms)

The Si-51 is incompatible with reversible and inverter systems as it must not be used in continuous operation.

Benefits



High performance

- Condensate discharge up to 12 m high
- Quiet, vibration-free operation



Extended reliability

- Thick, reinforced tube for longer service life
- Resistance to contaminated condensate (particles and chemicals)



Easy installation

- Compact size: L85 x W108 x H122 mm
- IP55 protection for installation in unventilated areas



Quick maintenance

- Easy-to-open front panel without tools for tube replacement
- Glass fuse replaceable in one easy step (standard cartridge 5 x 20)



Kit content

- Peristaltic pump Si-51
- Cable: 1.7 m, including 2 wires for power supply (P & N)
- 2 thermal probes with 3.5 m cable:
 - Red cap for ambient air
 - Blue cap for fresh air
- Easy 2-screw sliding plastic bracket
- Ø 15 mm to Ø 6 mm adaptor + sleeve (Ø 15 x 35 mm) - (ACC00927)

Technical specifications

Max. flow rate	6 l/h
Max suction head	2 m
Max discharge head	12 m
Sound level in application at 1m (Measured in Sauermann acoustic lab, pump operating with water)	≤ 30 dBA
Mains supply	230 V~ 50/60 Hz - 8 W
Insulation class	□ (double insulation)
Detection type	2 thermal probes
Protection	IP55
Pump dimensions	L 85 x W 108 x H 122 mm
Operating & storage temperature	+2 to +45 °C
Safety standards	CE & UKCA
RoHS directive	Compliant
WEEE directive	Compliant
Packaging	0.95 kg
Masterpack	16 pieces



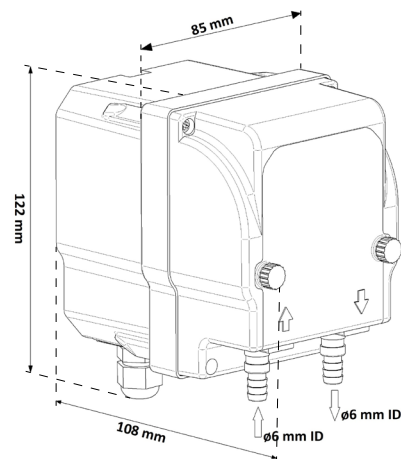
Applications

For use with any air-conditioning units up to 8 kw:

- Wall mounted
- Ceiling suspended
- Computer room air conditioning
- Ducted

Accessories

Name	#Pat
 Clear PVC hose int. Ø 6 mm (1/4")	ACC00909 (5 m) ACC00910 (50 m)
 Replacement head for Si-50, Si-51, Si-52	ACC00954
 Multi diameter reducing adaptor to connect tubes of int. Ø 15 mm (3/5"), int. Ø 6 mm (1/4")	ACC00927
 Replacement hose for Si-50, Si-51, Si-52	ACC00953
 6 self-sealing fittings for hose Ø int. 6 mm (1/4")	ACC00919



Actual flow rate (l/h)

Total tube length (Ø int. 6 mm ; 1/4")

Max suction head	Max discharge head	The discharge flow is constant whatever the discharge or the suction head
2 m	12 m	6