

		SI 1082
Piston pump	Mini pump	Sauermann part # : SI1082SIUN23

Performance and technical characteristics

Mains supply	230V~ 50/60Hz -10 W
Max flow rate	8 l/h
Max discharge head	6 m
Sound level in accordance with EN ISO 3744 (Measured at LNE lab, pump operating with water, out of application)	21.5 dBA at 1m
Sound level in application (Measured in Sauermann acoustic lab, pump operating with water)	≤ 28 dBA at 1 m
Max condensate temperature	35°C
Detection unit	Integrated
Detection Levels	On:18mm Off :12mm Al :21mm
Alarm contact	NC 8 A resistive – 250V
Thermal protection (overheat)	90°C (auto-reset)
Intermittent operation cycle	30%: 3s ON – 7s OFF
Protection	IP 54
Safety Standards	CE
RoHS directive	Conform
WEEE directive	Conform
Pump dimensions	L 66 x W 44 x H 77 mm
Weight (per box)	0.48 kg
Master Pack quantity	25 pieces

Features & benefits

- Small size
- **VERY** low noise level
- Low maintenance filter-free detection unit
- Detachable connector and sliding fastening bracket for easy installation

Description

Mini condensate pump specifically designed for air conditioning units with limited internal space.

- Consisting of a pump and an integrated detection unit fitted with a 3 level float (on / off / alarm).
- Normally closed alarm contact that automatically cuts off the air conditioning system compressor or a solenoid valve.
- Thermal protection: 90°C on the pump coil.

Kit contents

- OM1082 pump: monobloc 8 l/h piston pump.
- Integrated float detection unit.
- 1.5 m cable: Electrical connection by plug.
- Reversible vibration dampening fastening bracket (galvanized steel bracket + 2 rubber pads + 1 rubber pump support)
- Rubber inlet tube: Ø 15 x 35 mm (0.39 x 1.4")
- Vent tube Ø4 mm

Applications

Air conditioners up to 8/10 kW
Fan coils
Ceiling suspended units
Ducted units
Wall split systems



Accessories

	ACC 00105, ACC 00150, ACC 00151 Clear PVC flexible hose: 6 mm int. ACC 00105 : 5 m roll ACC 00150 : 50 m roll ACC 00151 : reinforced 50 m roll		ACC 00208 90° Rubber elbow 15 x 15 mm To connect detector input
	ACC 00205 6 self-sealing fittings for condensate removal.		ACC 00209 "S" type rubber hose (15 x 15mm) To lower the detector position by 4 mm to empty the condensate tank

Table of true flow rate for SI 1082

The head losses defined In this table are calculated With a 6 mm int. Flexible pipe work	Vertical discharge head	Total tubing length			
		5 m SI1082 (in l/h)	10 m SI1082 (in l/h)	20 m SI1082 (in l/h)	30 m SI1082 (in l/h)
	1 m	6,8	6,3	5,3	4,3
	2 m	5,5	5,0	4,1	3,2
	3 m	4,2	3,8	3,0	2,5
	4 m	3,0	2,6	2,2	2,0
	5 m	2,2	2,0	1,8	1,5
	6 m		1,4	1,2	1,0