

DATA SHEET

Si-63

Piston pump



Sauermann® part #: SI63CE01UN23

Max flow rate

The Si-63 is a piston pump with built-in tank (0.37 l) suitable for air-conditioning units up to 30 kW. This pump is equipped with the Sauermann® piston pump technology specifically designed for removing condensates from air conditioning systems. It's attractive, ergonomic and compact design makes it easy to install.

Benefits



Special detection - resistant to pollution

- Robust float, rotation is shaft out of water, higher resistance to pollution.
- IPX4 for a higher protection of mechanical and electrical parts.



Easy pump maintenance

- Lockable plug-in power cable to avoid unintended disconnection.
- Easily removable tank.



Easy installation and ergonomic

- Compact and attractive design.
- The 3 inlet points allow the pump to be fed from top, side, stand in drip tray.



Proven reliability

- No filter. Designed to allow free passage of particles up to 2 mm.
- High flow – Up to 30 l/hr.



Kit content

- Piston pump
- Integrated float detection unit
- 1.5m lockable plug-in power cable: 2 power wires, 2 safety switch wires
- Installation kit:
 - Inlet rubber adapter Ø int. 15-20-24-32-40 mm (Ø int. 5/8"-3/4" 1"- 1"1/4 -1"1/2
 - Rubber elbow 90° Ø int.15 x L 60 mm
 - Plastic elbow 90° for tubing Ø int. 6 mm
 - 1 tie-wrap, 2.5 x 100 mm

Technical specifications

Max. flow rate	30 l/h
Max. discharge head	13 m (flow rate = 8 l/h)
Max pressure	18 m (flow rate = 0 l/h)
Sound level in application at 1m (Measured in Sauermann acoustic lab, pump operating with water)	≤ 54 dBA
Mains supply	230 V~ 50/60 Hz - 21 W
Insulation class	□ (double insulation)
Detection levels	ON: 28 mm; OFF: 24 mm; Safety: 35 mm
Safety switch	NC 3 A resistive load – 250 V
Thermal protection (overheating)	115 °C (Auto-reset)
Operating and storage temperature	+2 to +50 °C
Operating conditions	50 %: 3 s ON – 3 s OFF
Protection	IPX4
Safety standards	CE & EAC
RoHS directive	Compliant
WEEE directive	Compliant
Packaging	L 206 x W 115 x H 106 mm
Weight (including box)	0.63 kg
Masterpack	4 pieces

Actual flow rates (l/h)

Total tube length using
Ø int. 6 mm, 1/4" (A)

Discharge head (B)	5 m	10 m	20 m	30 m
0 m	30	27	26	25
2 m	26	24	23	22
4 m	22	21	20	19
6 m		18	17	16
8 m		15	14	13
10 m		12	11	10
12 m			8	7






Applications

For use with any air-conditioning units, up to 30 kW

- Computer room air conditioning
- Multi cassettes recovery
- Ducted
- Floor mounted & concealed fan-coils

Accessories

Name	#Part
 Clear PVC hose Ø int. 6 mm (1/4")	ACC00909: 5 m ACC00910: 50 m ACC00914: Braided, 50 m
 5 Self-sealing fitting for hose Ø int. 6 mm (1/4")	ACC00919
 Drain Safe Devices for hose Ø int. 6 mm (1/4")	ACC00922

