

DATA SHEET

# Si-27

## Piston Pump

Sauermann® part#: SI27CE01UN23



### Versatile technology

The Si-27 is suitable for air-conditioning units up to 20 kW. The piston technology is specifically designed for removing condensates from air conditioning systems. The Si-27 is fully reliable in any kind of environment and its sound level remains quiet regardless of the condensate volume.

### Benefits



#### Patented technology

- High performance: only one pump is needed for air conditioning units up to 20 kW.
- Highly resistant to pollution created by general environments and capable of discharging small particles.
- Proven reliability



#### Silent

- Low operating sound levels: quiet in operation (20 dBA independently tested).
- The size of the air-conditioning unit and volume of condensates to be removed does not affect the operational sound level of the pump.



#### Energy saving

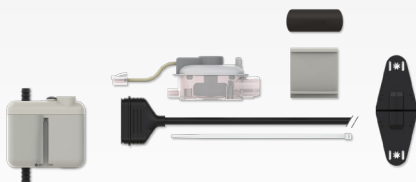
- Improved performance and high flow rate reduce operation time and energy consumption.



#### Easy to install

- Mounting bracket: allows the pump to be wall mounted or hung from ceilings and pipework.
- Plug-in power cable makes maintenance and replacement hassle free.
- Safety switch

### Kit contents



- Piston pump
- Mounting bracket
- 1.5 m plug-in power cable
- 1.5 m clear PVC tube Ø int 6 mm
- 6 tie wrap
- Detection unit (SI2958, 1.5 m cable)
- Detection unit installation kit:
  - rubber hose Ø int. 15 x L 35 mm
  - vent tube Ø int 4 x L 75 mm
  - mounting rail
  - adhesive

## Technical specification




<b>Max. flow rate</b>	20 l/h
<b>Max. suction head</b>	3 m
<b>Max. discharge head</b>	10 m (flow rate = 4 l/h)
<b>Max. pressure</b>	14 m (flow rate = 0 l/h)
<b>Sound level at 1m</b> According to EN ISO 3744 (Measured at LNE lab, pump operating with water, out of application)	20 dBA
<b>Mains supply</b>	230 V~ 50/60 Hz - 14 W
<b>Insulation class</b>	II (double insulation)
<b>Detection levels</b>	ON: 16 mm; OFF: 11 mm; Safety: 19 mm
<b>Safety switch</b>	NC 3 A resistive load – 250 V
<b>Thermal protection (overheating)</b>	115 °C (auto-reset)
<b>Max. condensate temperature</b>	35 °C
<b>Operating and storage temperature</b>	+2 to +50 °C
<b>Operating conditions</b>	100% - Continuous duty
<b>Protection</b>	IP20
<b>Safety standards</b>	CE & EAC
<b>RoHS directive</b>	Compliant
<b>WEEE directive</b>	Compliant
<b>Packaging</b>	0.48 kg – L 135 x l 135 x H 90 mm
<b>Masterpack</b>	20 pieces

## Applications

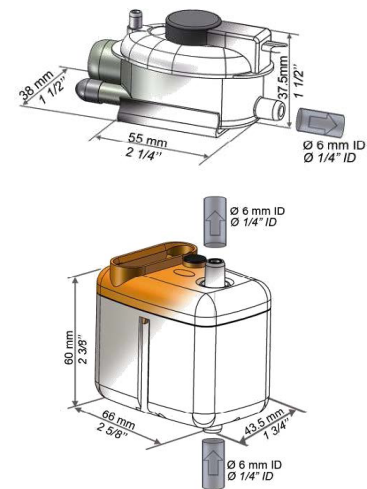
For use with any air-conditioning units, up to 20 kW:

- Wall mounted
- Ducted
- Ceiling suspended
- Fan-coils

## Accessories

Name	Ref
 Clear PVC hose Ø int. 6 mm (1/4")	ACC00909 (5 m) ACC00910 (50 m)
 5 Self-sealing fittings for hose Ø int. 6 mm (1/4")	ACC00919
 Drain Safe Devices for hose Ø int. 6 mm (1/4")	ACC00922

## Dimensions



## Actual flow rates (l/h)

Suction head (A)	Discharge head (B)	Total hose length using (Ø int. 6 mm, 1/4") – (C)			
		5 m	10 m	20 m	30 m
0 m	0 m	20	19	18	17
	2 m	16	15	14	13.5
	4 m	11.5	11	10.5	10
	6 m		8.5	7.5	6.5
	8 m		6	5	4
	10 m		4	3.5	2.5
1 m	0 m	14	13	12	11
	2 m	11	10	9	8
	4 m	7.5	7	6	5
	6 m		4.5	4	
2 m	0 m	11	10	9	8
	2 m	9	8	7	6
	4 m		5.5	5	4.5
	0 m	10.5	9	8	7
3 m	2 m	8	7	6	5
	4 m		5	4	

