

## DATA SHEET

# Si-30

## Piston Pump

Sauermann® part#: SI30CE01UN23



### Versatile technology

The high performance Si-30 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-30 is fully reliable, in any kind of environment. Its operating sound level will remain silent whatever the volume of condensates.

### Benefits



#### Patented technology

- Increased performance: Only one pump, for air conditioning unit up to 20 kW
- High resistance to pollution created by general environment. Capable of discharging small particles.
- Proven Reliability.
- The Drain Safe Device retains prime and prolongs the pump life.



#### Silent

- 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.
- Mounting bracket specifically designed to reduce vibration transmission to the wall / panel or pipework.



#### Energy saving

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



#### Easy to install

- Compact design.
- Mounting bracket: allows the pump to be wall mounted or hung from ceilings and pipework.
- Lockable plug-in power cord to avoid unintended disconnection.



### Kit contents

- Piston pump
- Clear PVC tube Ø int. 6 mm – L: 1m, fitted with a "Drain Safe Device" pre-mounted.
- Anti-vibration mounting bracket
- 1.5 m lockable plug-in power cable: 2 power wires, 2 safety switch wires.
- 6 tie wraps, 2.5 x 100 mm
- Detection unit (SI2958, 1.5 m cable)
- Detection unit installation kit:
  - Rubber elbow 90° Ø int.15 x L 60 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>	230V~ 50/60Hz - 14 W
<b>Insulation class</b>	II (double insulation)
<b>Detection levels</b>	ON: 16 mm, OFF: 11 mm, Sécurité : 19 mm
<b>Safety switch</b>	NC 8 A resistive – 250V
<b>Thermal protection (overheating)</b>	115 °C (auto-reset)
<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

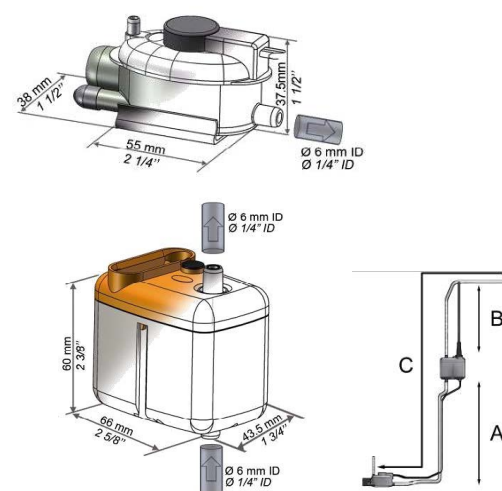
For use with any air-conditioning units, up to 20 kW:

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

## Accessories

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

## 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	
	6 m					
3 m	0 m	10.5	9	8	7	
	2 m	8	7	6	5	
	4 m		5	4		

