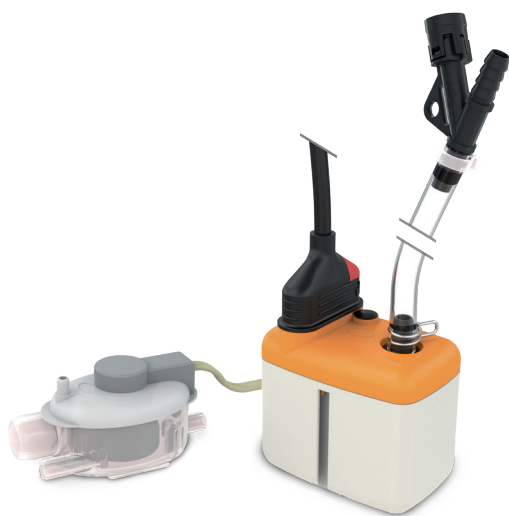


DATA SHEET

Si-30

Piston Pump

Sauermann® part#: SI30UL01UN12 - SI30UL01UN23



Versatile technology

The high performance Si-30 is suitable for air-conditioning units up to 20 kW/ 60,000 BTU. 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/60,000 BTU.
- 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

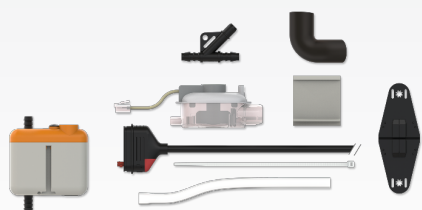
- Improved performance and high flow rate reduce operation time and energy consumption.



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. 1/4" – L: 39', fitted with a "Drain Safe Device" pre-mounted
- Anti-vibration mounting bracket
- 4.9' lockable plug-in power cable: 2 power wires, 2 safety switch wires
- 6 tie wraps, 0.1" x 3.9"
- Detection unit (SI2958, 4.9' cable)
- Detection unit installation kit:
 - Rubber elbow 90° Ø int. 0.6" x L 2.4"
 - Vent tube Ø int 5/32" x L 3"
 - Mounting rail
 - Adhesive

Technical specification

Max. flow rate	5 gph
Max. suction head	10 ft
Max. discharge head	33 ft - flow rate = 1.06 gph
Max. pressure	46 ft - flow rate = 0 gph
Sound level at 1 m	20 dBA
According to EN ISO 3744 (Measured at LNE lab, pump operating with water, out of application)	
Mains supply	120 V ~ 60 Hz - 14 W (SI30UL01UN12) 230 V ~ 50/60 Hz - 14 W (SI30UL01UN23)
Insulation class	II (double insulation)
Detection levels	On: $\frac{5}{8}$ " / Off: $\frac{7}{16}$ " / Safety: $\frac{3}{4}$ "
Safety switch	NC 8 A resistive – 250 V
Thermal protection (overheating)	239 °F (auto-reset)
Max. condensate temperature	95 °F
Operating conditions	SI30UL01UN12 : 50% : 3s ON - 3s OFF SI30UL01UN23 : 60% : 3s ON - 2s OFF
Protection	IP20
Safety standards	UL certified by Intertek CSA certified
RoHS directive	Compliant
WEEE directive	Compliant
Packaging	1 lbs – L 5 $\frac{5}{16}$ x I 5 $\frac{5}{16}$ x H 3 $\frac{9}{16}$ "
Masterpack	20 pieces

Applications

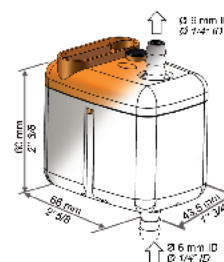
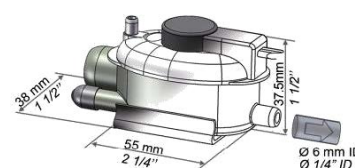
For use with any air-conditioning units, up to 20 kW/60,000 BTU:

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

Accessories

Name	Ref
 Clear PVC hose Ø int. 1/4"	ACC00909 (16.4") ACC00910 (164")
 5 Self-sealing fittings for hose Ø int. 1/4"	ACC00919

Dimensions



Actual flow rates (l/h)

Suction head (A)	Discharge head (B)	Total hose length using (Ø int. 1/4") – (C)			
		16 ft	33 ft	65 ft	98 ft
0 ft	0 ft	5.3	5	4.7	4.5
	7 ft	4.2	3.9	3.7	3.5
	15 ft	3.03	2.9	2.7	2.6
	20 ft		2.2	1.9	1.7
	27 ft		1.6	1.3	1
	33 ft		1	0.9	0.6
3 ft	0 ft	3.7	3.4	3.2	2.9
	7 ft	2.9	2.6	2.4	2.1
	15 ft	1.9	1.8	1.6	1.32
	20 ft		1.2	1	
7 ft	0 ft	3.7	3.4	3.2	2.9
	7 ft	2.4	2.1	1.8	1.6
	15 ft		1.4	1.3	1.2
9 ft	0 ft	2.7	2.4	2.1	1.8
	7 ft	2.1	1.8	1.6	1.3
	15 ft		1.3	1	

