

## Si-30 Mini Condensate Removal Pump

For use with  
air conditioning  
units up to 5.6 tons  
(67k Btu/h - 20 kW)



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of the Si-30 technical  
data sheet.

### APPLICATIONS:

AIR CONDITIONING

REFRIGERATION

HEATING

- Ductless systems
- Ceiling suspended units
- Ducted units
- Fan-coils

Sauermann Part #s

**SI3000SIUS11** 120 V-60 Hz -14 W

**SI3000SIUS23** 230 V-50/60 Hz -14 W

The high performance Si-30 is suitable for air-conditioning units up to 5.6 tons (67k Btu/h - 20 kW). The patented piston technology is specifically designed for removing condensate from air conditioning systems. The Si-30 is fully reliable in any kind of environment. Its operating sound level will remain silent (20 dBA) whatever the amount of condensate.

### Features & Benefits



#### Sauerermann Inside: New piston, patented technology



- **Increased performance**  
The Si-30 replaces the Si3100 and the Si3200.
- **High resistance to pollution**  
Capable of discharging small particles.
- **Proven reliability** – The patented Sauerermann technology inside the pump makes it fully reliable, in any kind of environment.



20 dBA

#### Silent Operation

- Quiet in operation: **20 dBA independently tested.**
- The size of the air-conditioning unit and amount of condensate to be removed does not affect the operational sound level of the pump.



#### Easy to install

- Compact design fits in tight spaces.
- **All-purpose mounting bracket**  
– Allows the pump to be easily mounted on walls, ceilings or pipework.  
– Designed to **reduce vibration transmission** to the wall, panel, pipes or linesets.
- Plug-in power cord makes maintenance and replacement hassle free.



#### Energy saving

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



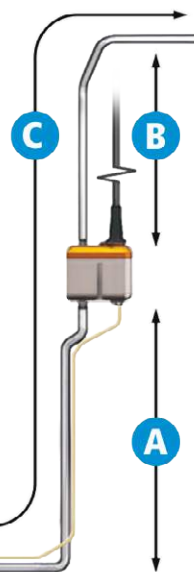
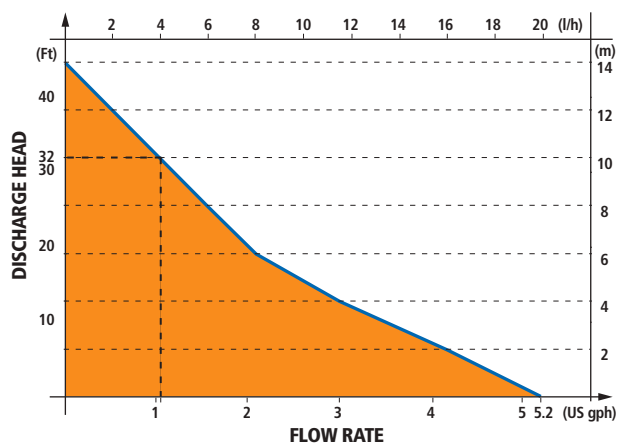
### KIT CONTENTS

- 1 Si-30: Piston pump
- 2 Anti-vibration mounting bracket
- 3 Plug in power cable with 2 safety switch wires (5ft - 1.5 m)
- 4 Detection unit Si2958, with (5 ft - 1.5m ) cable
- 5 Rubber elbow 90° (for Detection unit) 1<sup>3</sup>/<sub>32</sub>" i.d. x 2<sup>3</sup>/<sub>8</sub>" (15 i.d. x L 60mm)
- 6 Vent tube (for Detection unit) 5<sup>1</sup>/<sub>32</sub>" i.d. x L 2<sup>15</sup>/<sub>16</sub>" (4 i.d. x L 75 mm)
- 7 Mounting rail and adhesive (for Detection unit)

NOT SHOWN IN PHOTO:

- 6 tie wraps, 1<sup>1</sup>/<sub>10</sub>" x 4" (2.5 x 100mm)

## ACTUAL FLOW RATES (GPH)

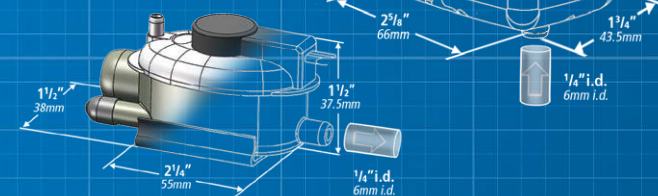
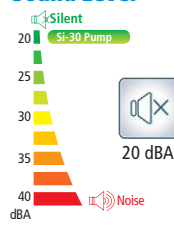


A Suction head	B Discharge head	C Total tube length using 1/4" (6mm) hose			
		15 ft (4.5m)	30 ft (9m)	60 ft (18m)	100 ft (30m)
0 ft (0m)	0 ft (0m)	5.0	4.7	4.5	4.2
	6 ft (2m)	4.2	3.9	3.7	3.5
	13 ft (4m)	3	2.9	2.8	2.6
	20 ft (6m)		2.5	2	1.7
	33 ft (10m)		1.1	0.9	0.7
3.3 ft (1m)	0 ft (0m)	3.7	3.4	3.2	2.9
	6 ft (2m)	2.9	2.6	2.4	2.1
	13 ft (4m)	0.5	1.8	1.6	1.3
6.6 ft (2m)	0 ft (0m)	2.9	2.6	2.4	2.1
	6 ft (2m)	2.4	2.1	1.8	1.6
	13 ft (4m)		1.5	1.3	1.2
10 ft (3m)	0 ft (0m)	2.6	2.4	2.1	1.8
	6 ft (2m)	2.1	1.8	1.6	1.3
	13 ft (4m)		1.3	1.1	

## TECHNICAL SPECIFICATIONS

Max. flow rate	5.0 gph (19 l/h)
Max. suction head	10 ft (3m)
Max. discharge head	33ft (10 m); flow rate = 1gph (4l/h)
Max pressure	46 ft (14 m); flow rate = 0 gph (0l/h)
Sound level at 3.3ft (1m) according to EN ISO 3744 (Measured at LNE lab, pump operating with water, out of application)	20 dBA
Power supply	120V ~ 60 Hz - 14 W (SI3000SIUS11) 230 V ~ 50/60 Hz - 14 W (SI3000SIUS23)
Insulation class	(double insulation)
Detection levels	On: 5/8" Off: 7/16" Alarm: 3/4" (On=16mm, Off=11mm, Alarm=19mm)
Safety switch	NC 8A resistive - 250 V
Thermal protection (overheating)	194°F (90°C) auto-reset
Intermittent operation cycle	30%: 3s ON – 7s OFF
Protection	IP20
Safety standards	UL / CSA certified by Intertek
RoHS & DEEE directive	Compliant
Packaging	0.90 lbs (0.41 kg) L 4 2/5" x W 3 3/5" x H 3 3/5" (L 112 x W 91 x H 91mm)
Masterpack	25 pieces

### Sound Level



## RECOMMENDED ACCESSORIES

ACC 00105 ACC 00150 ACC 00151		Clear PVC hose, 1/4" i.d. (6mm) – ACC 00105: 16 ft roll (5m) – ACC 00150: 164 ft roll (50m) – ACC 00151: reinforced, 164 ft roll (50m)
ACC 00205		Self-sealing fitting to connect discharge tube into drain pipe. – 6 pcs, for 1/4" i.d. (6mm)
ACC 00216		Anti-siphon fitting. – 5 pcs, for 1/4" i.d. (6mm)

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## NOT FAMILIAR WITH SAUERMANN PRODUCTS?

For more than 20 years, Sauermann has been a global market leader in designing, manufacturing and selling condensate removal pumps (and related finishing equipment) intended for refrigeration, air conditioning and heating systems.

Today, as an internationally recognized brand, the Sauermann Group employs hundreds of people around the world. Sauermann has an unwavering focus on product innovation and the needs of its clients – OEMs, distributors and HVAC installers.

In addition to producing affordable, quality products for detecting, evacuating and managing condensate water, the Sauermann Group believes it has a duty to anticipate its human and environmental impacts. For this reason, Sauermann has set itself concrete objectives with a view of participating in a better ecological future for its consumers and ultimately, the world.

