

## Si-20 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-20 technical  
data sheet.

### APPLICATIONS:

AIR CONDITIONING

REFRIGERATION

HEATING

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

The Si-20 is suitable for air conditioning units up to 5.6 tons (67Btu/h - 20 kW). It is designed with installation versatility in mind. It can easily fit inside a mini-split air conditioner, alongside the unit (in lineset cover), or remotely above in a drop ceiling. The piston technology is specifically designed for removing condensates from air conditioning systems. The Si-20 is fully reliable in any kind of environment. Its operating sound level will remain silent (22 dBA) whatever the amount of condensate.

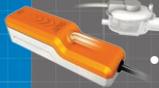
### Features & Benefits



#### Sauermann Inside:

New piston, patented technology

- **High resistance to pollution**
  - Capable of discharging small particles.
- **Proven reliability**
  - The Drain Safe Device (DSD) retains prime and prolongs the life of the pump.
  - The patented Sauermann technology inside the pump makes it extremely reliable in any kind of environment.



#### Energy Saving

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



#### Easy to Install

- **Slim design** fits in tight spaces.
- **Rubber dampers** allow the pump to be placed directly inside the mini-split air conditioner
- **Factory-installed Drain Safe Device (DSD)** aids connection to the discharge tube



22 dBA

#### Silent Operation

- Quiet in operation: **22 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.

Sauermann Part #s

**SI20UL01UN12** 120V~60 Hz -14 W

**SI20UL01UN23** 230 V~50/60 Hz -14 W

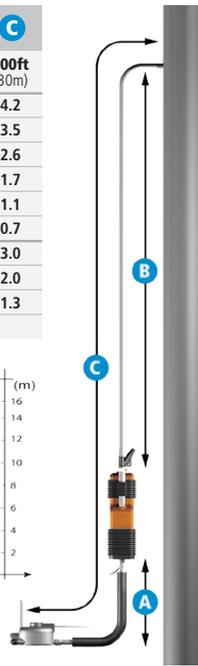
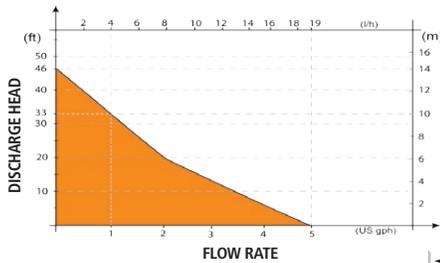
### KIT CONTENTS

- Si-20: Piston pump with Clear PVC tube fitted with a Drain Safe Device pre-mounted
- 2 anti-vibration rubber damper
- 5ft power cable: 2 power wires, 2 safety contact wires.
- Detection unit - SI2958, 2' cable
- Clear PVC tube, 2' with insulation foam
- Detection unit installation kit:
  - Rubber elbow 90° 1/32" x 6"
  - Vent tube 5/32" x 2 15/16"
  - Split connector 1/2" - 10/16"
  - Mounting rail
  - Adhesive
  - 3 tie wraps 1/10" x 8" (not pictured)



## ACTUAL FLOW RATES (GPH)

A Suction head	B Discharge head	Total tube length using 1/4" i.d. (6mm) hose C			
		15ft (4.5m)	30ft (9m)	60ft (18m)	100ft (30m)
0ft (0m)	0ft (0m)	5.0	4.7	4.5	4.2
	6ft (2m)	4.2	3.9	3.7	3.5
	13ft (4m)	3	2.9	2.8	2.6
	20ft (6m)	2.5	2	1.7	
	26ft (8m)	1.6	1.3	1.1	
2ft (.6m)	0ft (0m)	4.2	3.8	3.3	3.0
	6ft (2m)	3.3	2.8	2.4	2.0
	13ft (4m)	2.2	2.0	1.6	1.3
	20ft (6m)	1.3	1.1		



## TECHNICAL SPECIFICATIONS

Max. flow rate	5.0 gph (19 l/h)
Max. suction head	10ft (3m)
Max. discharge head	33ft (10m); flow rate = 1 gph (4 l/h)
Max. pressure	46ft (14m); flow rate = 0 gph (0 l/h)
Sound level at 3.3ft (1m) according to EN ISO 3744 (Measured at LNE lab, pump operating with water, out of application)	22 dBA
Power supply	120 V ~ 60 Hz - 14 W (SI20UL01UN12) 230 V ~ 50/60 Hz - 14 W (SI20UL01UN23)
Insulation class	☐ (double insulation)
Detection levels	On: 5/16" Off: 7/16" Alarm: 3/4" (On = 16mm, Off = 11mm, Alarm = 19mm)
Safety switch	NC 8A resistive - 250 V
Thermal protection (overheating)	239°F (115°C) auto-reset
Operating conditions	120V - 50%: 3s ON - 3s OFF 230V - 60%: 3s ON - 2s OFF
Pump dimensions	L 5 3/8" x W 1 1/2" x H 1 1/2" (L 136 x W 38 x H 38mm)
Safety standards	UL / CSA certified by Intertek
RoHS & WEEE directives	Compliant
Packaging	1.1 lbs (0.48 kg) L 6 3/4" x W 6 3/8" x H 2 7/8" (L 170 x W 160 x H 72mm)
Masterpack	6 pieces

## RECOMMENDED ACCESSORIES

ACC 00105  
ACC 00150



Clear PVC hose, 1/4" i.d. (6mm)  
- ACC 00105: 16ft roll (5m)  
- ACC 00150: 164ft roll (50m)

ACC 00205



Self-sealing fitting to connect discharge tube to drain pipe. - 6 pcs, for 1/4" i.d. (6mm)

## OMEGA PACK The Under-the-Unit Pump

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

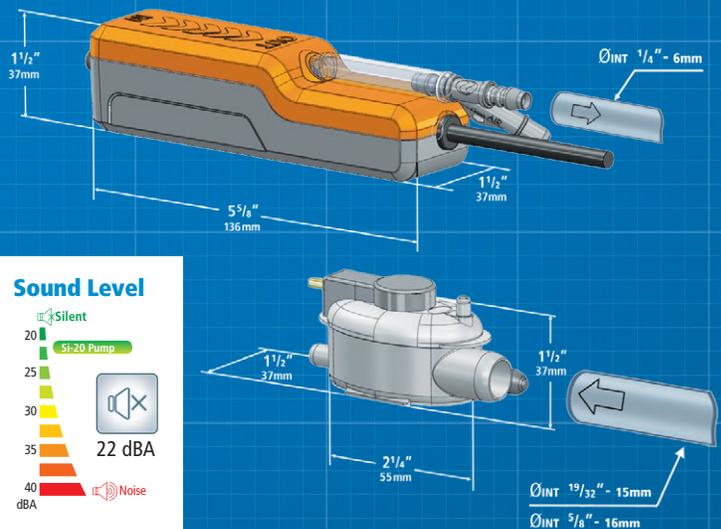
The Omega Pack, which includes an Si-20 pump, is a complete kit intended for wall mounted air conditioning units. The assembly is provided with pre-mounted pieces allowing an easy installation. The unique rubber damper is specifically designed to reduce vibration, allowing for the most silent operation on the market at 22 dBA.



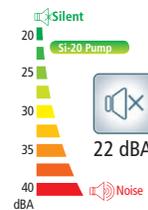
For more detailed info about the Omega Pack visit our website.

## FLEXIBLE INSTALLATION OPTIONS

The Si-20 is constructed with versatility in mind. It can be installed inside the air conditioning unit casing, alongside the unit (in lineset cover), or remotely above the ceiling.



## Sound Level



**sauermann®**

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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.

