












# AIR CONDITIONING

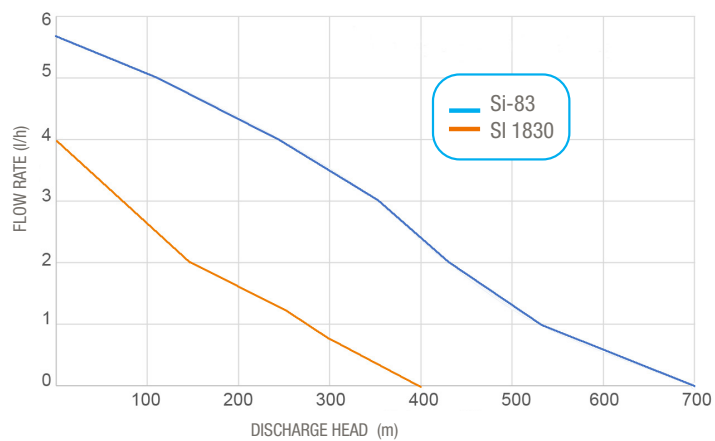
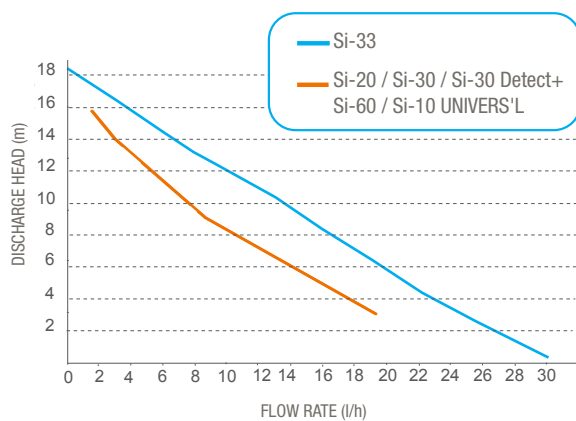
**Managing condensate**



## Pump selection chart

			Equipment							Location				
			Wall mounted	Cassette	Multi cassette	Conditioning cabinet	Floor standing	Ducted unit	Suspended ceiling unit	Inside the unit	Inside ducting	Wall mounted	Floor mounted	False ceiling
p.3		DELTA PACK	x									x		
p.3		Si-10 UNIVERS'L		x			x		x	x				x
p.4		OMEGA PACK	x									x		
p.4		Si-20	x						x	x				
p.5		Si-30 Si-33	x				x		x					x
p.6		Si-30 Detect+	x				x		x					x
p.7		Si-60				x	x	x		x				x
p.8		PE5000 PE5100 PE5200	x	x										x
p.8		Si-83			x	x			x				x	x
p.9		SI 1830			x	x		x	x	x			x	x
p.10		SI 2052	x	x										x

## Actual flow rates



# DELTA PACK

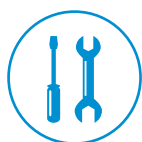
## Piston pump and trunking system

For wall-mounted air-conditioning units

### Ref :

80x60 mm cream RAL 9001 : DP10CE06UN23

80x60 mm white RAL 9003 : DP10CE05UN23



### Complete system

Pump and trunking kit for a quick and easy solution.



### Multiple choice

80x60mm, white or cream. Can be mounted to either side of the air conditioning unit.



### Operation level

High energy absorbing foam inside the elbow, anti-vibration insulation.

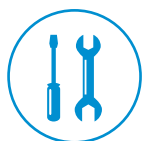
**Kit contents :** Si-10 UNIVERS'L pump – 1 m long discharge pipe with foam insulation and "Drain-Safe Device" connector - Lockable, plug-in 1.5 m cable with NC safety contact wire – 2-part elbow (base and cover) – 750 mm duct with Elbow/Duct and Elbow/Split joiners - Ceiling fitting - 0.5 m long flexible hose for connection to split - Vent pipe - 6 fixing plugs and screws - 2 hose clips.

# Si-10 UNIVERS'L

## Replacement pump for trunking corner pieces

For wall-mounted air-conditioning units

Ref : SI10CE03UN23



### Universal

Replacement pump for the majority of pump in trunking systems.

### Technical specifications

	Si- 10 UNIVERS'L
Maximum flow-rate	20 l/h
Maximum discharge head	10 m (flow rate= 4 l/h)
Pump sound level @ 1 m	22 dBA
Detection levels (mm)	ON: 16, OFF: 11, Safety : 19
Mains supply	230 V ~ 50 Hz 14 W
Thermal protection	115°C (auto-reset)
Protection	IPX4

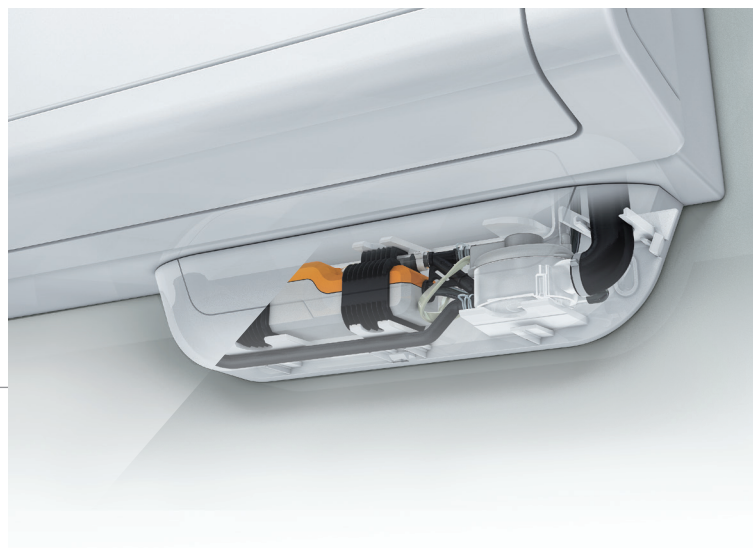
\*at 1m according to EN ISO3744

# OMEGA PACK

## The under the unit pack

For mini-split air conditioning

Ref : OP20CE02UN23



### Easy installation

Complete installation kit with pre-mounted pieces.



### Reliability

The Drain Safe Device included to prolong the life of the pump.



### Operation level

Anti-vibration rubber dampers.

### Kit contents

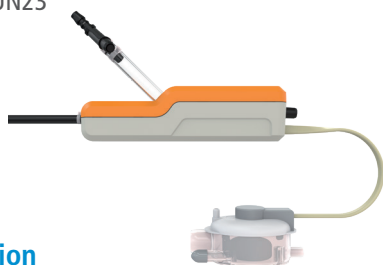
**Si-20 piston pump** with detection unit (0.63 m cable), 2 anti-vibration rubber dampers, clear pvc tubing int. Ø 6 mm fitted with a drain safe device - Power cable 1.5m (2 power wires, 2 safety wires)- Shell (2-part: backplate & cover) - Screws & plugs for affixing backplate 90° rubber elbow Ø int.15 mm x L 152 mm - Vent tube - 3 Double Wire Clamps - 3 Tie Wraps.

## Si-20

### Inside the unit piston pump

For wall mounted and floor standing units

Ref : SI20CE01UN23



### Easy installation

Slim design. Rubber damper : allows the pump to be put directly inside the unit.



Vidéo : How to install an Si-20

### Technical specifications

	Si-20
Maximum flow-rate	20 l/h
Maximum discharge head	10 m (flow rate= 4 l/h)
Pump sound level @ 1 m	22 dBA
Detection levels (mm)	ON : 16, OFF: 11, Safety : 19
Mains supply	230 V ~ 50 Hz 14 W
Thermal protection	115°C (auto-reset)
Protection	IP20

\*To EN ISO 3744. LNE measurement, on pump running with water, out of application.

# Si-30 / Si-33

## Mini pumps with float detection

For air conditioning systems

Ref : SI30 : SI30CE01UN23 / Si-33 : SI33CE01UN23



### Manufactured for purpose

The patented Sauermann technology is designed specifically for discharging contaminated condensates produced by air-conditioning systems. 100% operating cycle.



### Reliable

No risk of siphoning, due to the pre-installed Drain-Safe Device.



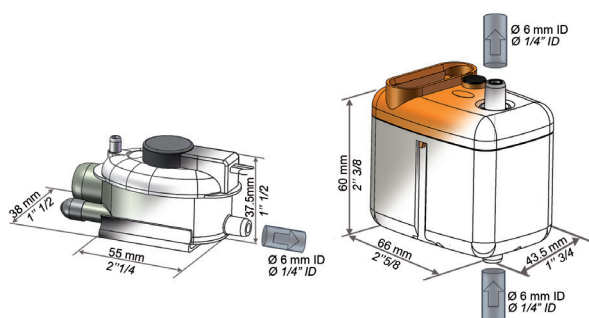
### Versatile installation

The three way mounting bracket gives the installer flexibility when siting the pump and can be fixed to the wall, pipework or ceiling suspended.



## Kit contents

Pump - Transparent PVC tube int. Ø 6 mm L 1 m, fitted with "Drain-Safe Device" connector - Anti-vibration mounting bracket - Lockable, plug-in 1.5 m cable with NC safety contact wire - 6 cable ties - Detection block (SI 2958) with installation kit: 90° connector int. Ø 15 mm × L 60 mm, vent pipe, mounting rail, adhesive.



## Technical specifications

	Si-30	Si-33
Maximum flow-rate	20 l/h	30 l/h
Maximum suction height	3 m	4 m
Maximum discharge head	10 m (flow rate = 4 l/h)	> 13 m (flow rate = 8 l/h)
Pump sound level @ 1 m	20 dBA	34 dBA
Detection levels (mm)	ON : 16, OFF: 11, Safety : 19	
Mains supply	230 V ~ 50 Hz 14 W	230 V ~ 50 Hz 21 W
Protection	IP20	

\*To EN ISO 3744. LNE measurement, on pump running with water, out of application.

Si-30 : can replace SI3080, SI3100, SI3200  
Si-33 : can replace SI1730

# Si-30 Detect+

## Pump and electronic detection unit

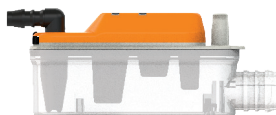
For air conditioning units up to 20 kW

Ref : SI30CE04UN23



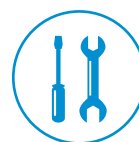
### Patented technology

High resistance to pollution created by general environment. Pump capable of discharging small particles. Detection unit without float to reduce Biofilm effects. (Electronic sensors)



### Easy to install

Compact design for the pump and slim for the detection unit.

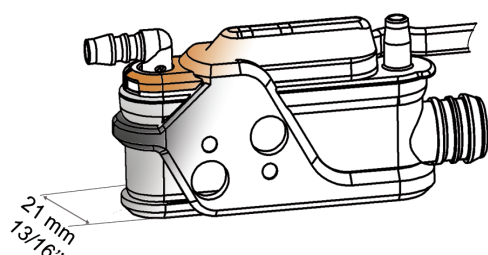


### Resistant to particles

Specifically designed for removing condensates from air conditioning systems installed in specific places where the amount of particles are high.

## Kit contents

Si-30 pump - Clear PVC tube int. 1/4 (6mm) – L: 3 1/4 (1m), fitted with a « Drain Safe Device » pre-mounted - Anti-vibration mounting bracket - 1.5m lockable plug-in power cable: 2 power wires, 2 safety switch wires - 6 tie wraps, 2.5 x 100mm - Detection unit ( 30cm cable) - Detection unit installation kit: Mounting bracket, rubber elbow, straight connector, vent tube, Extension cable, adhesive.



## Technical specifications

	Si-30
Max flow rate	20 l/h
Max suction head	3 m
Max discharge head	10 m (flow rate= 4 l/h)
Sound level in application at 1m *	20 dBA
Detection levels (mm)	ON : 16, OFF : 11, Safety: 19
Mains supply	230 V ~ 50 Hz 14 W
Protection	IP20

\*EN ISO 3744 (Measured at LNE lab, pump operating with water, out of application)

# Si-60

## Piston pump with 0.5 L tank

For ducted air conditioning systems

Ref : SI60CE01UN23



### Lockable cable

Twist lock power cable for a secure connection



### Innovative detection

Integrated float detection system reliable in all types of environment.



### Multi Purpose

Top and bottom inlet. Can be semi-submersed in a condensate drain pan.



## Kit contents

Pump - Lockable, plug-in 1.5 m cable with NC safety contact wire - Installation kit: adapter int. Ø 15-20-24-32-40 mm, rubber 90° connector int. Ø 15 mm × L 60 mm, plastic 90° connector for 6 mm int. Ø flexible tube, 1 off 2.5 × 100 mm cable tie.

## Technical specifications

	Si-60
Maximum flow-rate	20 l/h
Maximum discharge head	10 m (flow rate = 4 l/h)
Pump sound level @ 1 m	< 38 dBA
Detection levels (mm)	ON : 28, OFF : 24, Safety : 35
Mains supply	230 V ~ 50 Hz 14 W
Protection	IPX4

\* To EN ISO 3744. LNE measurement, on pump running with water, out of application.

# PE 5000 / PE 5100 PE 5200

## Peristaltic pumps

For air conditioning applications up to 8 kW

Ref : PE5000 : PE5000SIUN23  
PE5100 : PE5100SIUN23  
PE5200 : PE5200SIUN23



PE 5000



PE 5100



PE 5200



### Easy maintenance

Quick fit replacement head and tubes.



### 3 detection systems

PE 5000 : compressor signal

PE 5100 : temperature differential sensors

PE 5200 : float detection unit

## Kit contents

Pump - Cable: 1.7 m, including 2 wires for power supply (P & N), 1 wire for compressor signal - Easy «1 screw» sliding plastic bracket - Ø 15 mm to Ø 6 mm adaptor + pale yellow rubber Ø 15 x 35mm (PE5003)

Additional kit for PE 5100 : 2 thermal probes with 3.5m cable: Red cap for ambient air. Blue cap for fresh air.

Additional kit for PE 5200 : detection unit (SI2958, 1.5m cable) - Detection unit installation kit : Pale yellow rubber (Ø 15 x 35mm). Vent tube Øint 4 x L 75 mm. Mounting rail. Adhesive.

## Technical specifications

	PE 5000 / PE 5100 / PE 5200
Maximum flow-rate	6 l/h
Maximum discharge head	2 m
Pump sound level @ 1 m	≤ 30 dBA
PE5200 - Detection levels (mm)	ON : 16, OFF: 11, Safety: 19
Mains supply	230 V~ 50/60 Hz -75 W
Protection	IPX4

\* To EN ISO 3744. LNE measurement, on pump running with water, out of application.



# Si-83

## Centrifugal pump with 2 l tank

For cassette and fan coil air-conditioning systems

Ref :

PACK 1 : SI83CE01UN23

PACK 2 : SI83CE02UN23



**Easiest installation in the market**

6 inlet options Ø 30 mm  
Low-profile design (129mm)



**Save time**

Designed for intuitive installation.

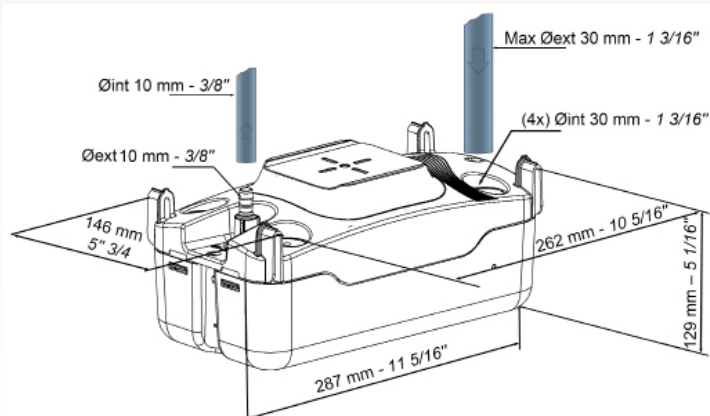


**Si-83 MobileApp :  
Tools and tips**



### Kit contents

One-piece centrifugal pump - Tank (2 l) - Built-in 10 mm ext. Ø non-return valve - Plug-in cable: power (2 m, European IEC socket) and safety contact (1.5 m, bared wires) – Straight connector ext. Ø 10 mm / ext. Ø 6 mm; 2 plugs + 2 screws.



### Technical specifications

	Si-83
Max. flow rate	700 l/h
Max. discharge head	5,4 m (65 l/h)
Max pressure (flow rate 0)	5,7 m
Mains supply	230 V~ 50 Hz - 115 W – 1.4 A
Sound level at 1m Measured in Sauermann acoustic lab, pump operating with water	<45 dBA
Protection	IP20

\* To EN ISO 3744. LNE measurement, on pump running with water, out of application.

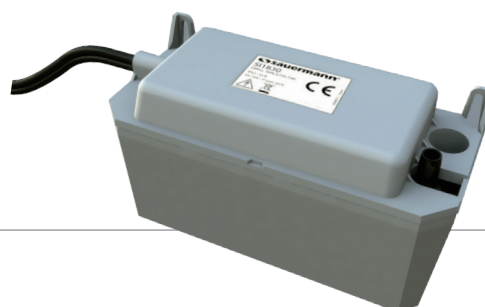
# SI 1830

## Centrifugal pump with 0.5 l tank

For cassette and fan coil air-conditioning systems

### Ref :

SI 1830 : SI1830SCUN23



### High performance

Capable of discharging high volume of condensates evacuated per hour.



### Compact

Compact design that can be sited in confined spaces.



### Installation in any location

Can be installed without the tank.



### Kit contents

Pump with 0.5 l tank – Power cable: 1.5 m, European IEC plug; safety contact cable: 1 m, 2 wires (NC contact) - Installation kit: 2 screws + 2 plugs, 5 m of transparent PVC hose 10 mm int. Ø, flexible adapter 15-24-32-40 mm Ø.

### Dimensions

L 190 x W 80 x H 100 mm

### Technical specifications

	SI 1830
Maximum flow-rate	400 l/h
Maximum discharge head	3,7 m
Pump sound level @ 1 m	≤ 43 dBA
Detection levels (mm)	ON : 32, OFF : 25, Safety: 39
Mains supply	230 V~ 50/60 Hz -75 W
Protection	IPX4

\* To EN ISO 3744. LNE measurement, on pump running with water, out of application.

# ACCESSORIES



## Pump Discharge Hoses



### Pump Discharge Hose Ø 6 mm

ACC00909 : 5 m - ACC00910 : 50 m - ACC00914 : reinforced, 50 m  
Clear PVC tubing for connecting the pump to the discharge outlet i.d. 6 mm (1/4")



### Pump Discharge Hose Ø 10 mm

ACC00911 : 25 m - ACC00915 : reinforced, 25 m  
Clear PVC tubing for connecting the pump to the discharge outlet i.d. 10 mm (3/8")

## Connectors



### Straight and elbow connectors

ACC00900 : for Ø 6 mm hose - ACC00901 : for Ø 10 mm hose  
Straight and elbow connectors for connecting hoses together.



### «T» Connector

ACC00902 : Ø 6 mm - ACC00903 : Ø 6 mm  
To make the connection between 3 tubes. For tubes Ø 6 mm int. (1/4 ")



### Self Sealing Fittings

ACC00919 : for use with Ø 6 mm tubing - ACC00920 : for use with Ø 10 mm tubing.  
Self sealing fittings for condensate discharge tubing.

## Spare Parts



### Detection unit

SI2958  
For replacing the detection unit when necessary. Si-30, Si-33, PE 5200



### Non-return valve

ACC00925  
For replacing the non-return valve when necessary in Si-83, SI 1830.



### Replacement tube

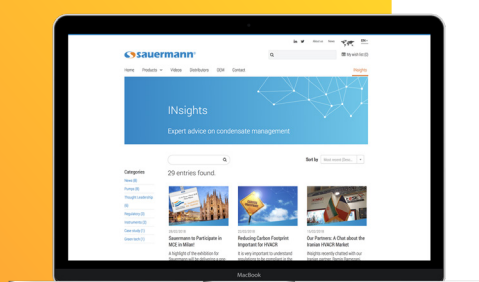
PE5002  
Replacement tube of the peristaltic pumps PE 5000, PE 5100 and PE 5200.

# Detection, measurement and control of indoor air quality (IAQ)

## INsights

Expert advice on HVACR condensate management and measurement instruments.

[sauermanngroup.com/insights](http://sauermanngroup.com/insights)



## Measuring Instruments

The Sauermann group designs and develops dependable measuring instruments that quickly and efficiently deliver ALL the data that air quality technicians require in the field.

[sauermanngroup.com/en-INT/measuring-instruments](http://sauermanngroup.com/en-INT/measuring-instruments)

