



DATA SHEET

Si-30 detect+

Piston pump

Sauermann® part #: SI30CE04UN23



Versatile technology

The high performance Si-30 Detect+ is suitable for air-conditioning units up to 20 kW. The piston and detection technology is specifically designed for removing condensates from air conditioning systems.

The Si-30 i Detect+ 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.
- Detection unit without float to reduce Biofilm effects (Electronic sensors).
- Proven Reliability.
- The Drain Safe Device retains prime and prolongs the pump life.



Easy to install

- Compact design for the pump and slim for the detection unit.
- Pump mounting bracket: allows the pump to be wall mounted or hung from ceilings and pipework.
- Detector mounting bracket allows a high stability and a wall mounting.
- Lockable plug-in power cord to avoid unintended disconnection.
- Extended rubber connector to connect directly to the drip tray.



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.

Kit content



- Piston pump
- Clear PVC tube Ø int. 6 mm – L: 1 m, 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 (30 cm cable)
- Detection unit installation kit:
 - mounting bracket
 - straight connector
 - 1.5 m extension cable
 - rubber elbow 90° Ø int.15 x L 152 mm,
 - vent tube Ø int 6 x L 75 mm,
 - 2 self drilling screws + 2 anchors
 - adhesive

Technical specifications



| | |
|--|--------------------------------------|
| Max. flow rate | 20 l/h |
| Max. suction head | 3 m |
| Max. discharge head | 10 m (flow rate = 4 l/h) |
| Max pressure | 14 m (flow rate = 0 l/h) |
| Sound level at 1m | |
| EN ISO 3744 (Measured at LNE lab, pump operating with water, out of application) | |
| | ≤ 20 dBA |
| Sound level in application at 1m | |
| (Measured in Sauermann acoustic lab, pump operating with water) | |
| | ≤ 27 dBA |
| Mains supply | 230 V~ 50 Hz - 14 W |
| Insulation class | □ (double insulation) |
| Detection levels | ON: 18 mm; OFF: 11 mm; Safety: 25 mm |
| Safety switch | NC 5 A resistive – 250 V |
| Thermal protection (overheating) | 115 °C (auto-reset) |
| Max. condensate temperature | 35 °C |
| Operating conditions | 100 % - Continuous duty |
| Protection | IP20 |
| Safety standards | CE et EAC |
| RoHS directive | Compliant |
| WEEE directive | Compliant |
| Packaging | L 135 x W 135 x H 90 mm |
| Weight (including box) | 0.48 kg |
| Masterpack | 20 pieces |

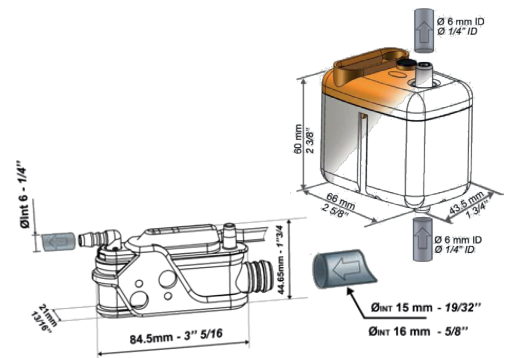
Applications

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

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

Accessories

| Name | #Part |
|--|---------------------------------|
|  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 |



Actual flow rates (l/h)

Total hose length using
Ø int. 6 mm, 1/4" (C)

| Suction head (A) | Discharge head (B) | 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 | | |
| 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 |
| 3 m | 0 m | 10,5 | 9 | 8 | 7 |
| | 2 m | 8 | 7 | 6 | 5 |
| | 4 m | | 5 | 4 | |

