

DATA SHEET

Si-20

Piston pump

Sauermann® part #: SI20CE02UN23

Fits discreetly inside the air conditioning unit

The Si-20 sets a new record for its slim casing design, allowing it to easily fit inside any type of air conditioning unit or lineset cover. Offering best-in-class performance and sound levels for a mini pump of its size, this model delivers unmatched reliability. The patented piston pump technology, which offers a high degree of energy efficiency, is designed to remove condensates from air conditioning units of up to 20 kW.

Benefits



Silent

- Operates at just 19 dBA, delivering a record power-to-noise ratio.
- Flexible tube supplied to reduce vibration.



Reliable and eco-friendly

- Built to withstand any type of environment.
- Capable of discharging condensates containing small particles.
- Designed as a possible replacement for most market-standard mini pumps.
- Can be taken apart for recycling of plastic parts and components.



Easy to install

- The slimmest mini pump money can buy: cross-section of just 27 x 27 mm.
- Compatible with all market-standard air conditioning units.
- Fits inside lineset covers and fixes to cooling tubes with four side attachments for double wire clamps.
- Disconnectable pump and detection unit for easy installation and maintenance.
- Installation made even easier with fasteners, plates, pre-installed anti-siphon device and other accessories included.



Ultra-powerful

- Record size-to-weight ratio: maximum flow rate of 20 litres per hour, for air conditioning units of up to 20 kW.
- Patented piston pump technology for exceptional efficiency.

Kit content

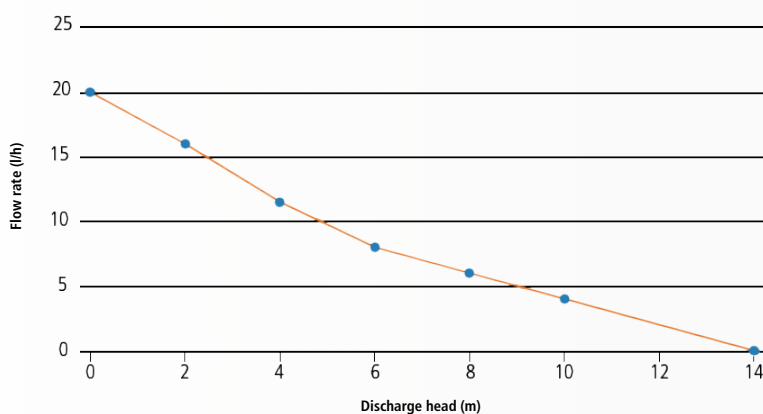


- 1 Piston pump with connectors: 1.5 m power supply cable, pump cable 0.2 m.
- 1 Detection unit with connector (1.5 m power cable).
- Clear PVC tube int. Ø 6 mm - L 1 m, fitted with pre-mounted "Drain Safe Device" connector.

- Detection unit installation kit:
 - rubber elbow 90° int. Ø 15 mm x L 152 mm
 - vent tube int. Ø 4 mm x L 75 mm
 - mounting rail
 - adhesive
 - 3 double wire clamps
 - 3 tie wraps, 2.5 x 200 mm
- 1 attachment unit: 1 mounting plate + 1 rubber damper

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 | 19 dBA |
| Mains supply | 230 V~ 50 Hz - 15 W |
| Insulation class | II (double insulation) |
| Detection levels | On: 16 mm; Off: 11 mm; Safety: 19 mm |
| Safety switch | NC 6 A resistive - 250 V |
| Thermal protection (overheating) | 115°C (auto-reset) |
| Max. condensate temperature | 35°C |
| Operating cycle | 100 % - Continuous duty |
| Protection | IPX2 |
| Safety standards | CE, EAC and UKCA |
| RoHS directive | Compliant |
| WEEE directive | Compliant |
| Pump dimensions | L 180 x W 27 x H 27 mm |
| Packaging | L 178 x W 178 x H 72 mm |
| Weight (including box) | 0.46 kg |
| Masterpack | 6 pieces |



Applications

For use with any air conditioning unit of up to 20 kW

Accessories

| Name | #Part |
|---|--|
|  Clear PVC hose int. Ø 6 mm (1/4") | ACC00909: 5 m ACC00910: 50 m ACC00914: Braided, 50 m |
|  5 self-sealing fittings for hose Ø int. 6 mm (1/4") | ACC00919 |
|  Replacement detection unit | ACC02958 |

