

Sauermann part # : **SI1801SCUS11**
or **SI1801SCUS23**

SI-1801

CENTRIFUGAL PUMP

23'



The SI-1801 pump is designed to be easily installed whatever the layout of the premises.

Capable of evacuating up to 132gph (500 l/h), the SI-1801 pump is suitable for air conditioning units and industrial refrigeration displays.

Strong, the SI-1801 tolerates charged, high temperature and mild acidic condensates (pH>2.5) produced by gas condensing boilers.

Sauermann part # : SI1801SCUS11 or 23 includes a rubber adaptor & built-in safety switch.

BENEFITS

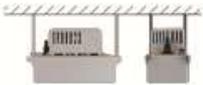
• High performance

- 23ft (7.0m) shut-off
- Can discharge condensates **up to 18ft (5.5m)** at 50Hz, **21ft (6.4m)** at 60Hz,
- **Up to 132gph (500 l/h)**, for shorter running time
- **Low sound level** – quiet operation



• Installation in any place

Pump can be floor mounted, attached on a wall or hanging from a ceiling.



• Versatile

Easily removable tank and reversible pump, to allow mounting either on the left or on the right of the application and choosing the side of the water exit.



• Easy hydraulic connection

- New quarter turn easily removable check valve, designed to facilitate $\text{Ø}_{\text{int}} 3/8'' (10 \text{ mm})$ hose plug in.
- 4 inlet holes $\text{Ø} 1 \frac{3}{16}'' (30 \text{ mm})$ + **includes multi-diameters rubber adaptor**



• High resistance

- **Oil and acid resistant float**
- Mechanical structure **resistant to shocks**

• Safety

- **Includes safety switch**

KIT CONTENTS

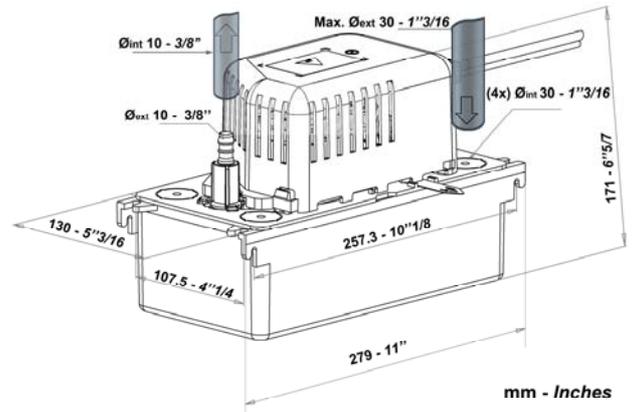


- One-piece centrifugal pump with $\frac{1}{2}$ gal (2L) tank
- Integrated barb end check valve $\text{Ø}_{\text{ext}} 3/8'' (10 \text{ mm})$
- Power cord, 6ft (1.8m), with **US plug** (120 or 230V type)
- **Built-in safety switch**, wires 1ft (0.3m), bare ends
- **Adaptor** $\text{Ø}_{\text{int}} \frac{5}{8}'' - \frac{3}{4}'' - 1'' - 1 \frac{1}{4}'' - 1 \frac{1}{2}'' (15/17 - 20 - 24/25 - 32 - 40 \text{ mm})$
- 2 screws + 2 plugs

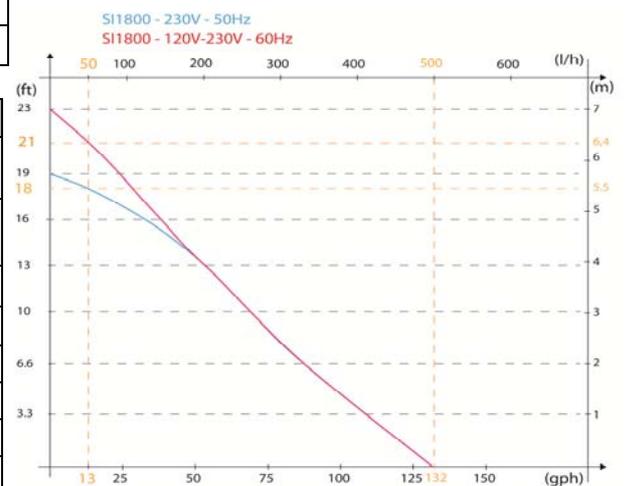
APPLICATIONS

- Column air conditioning units • Multi cassettes • Ducted units
- Gas condensing boilers • High efficiency gas furnaces
- Refrigerating display cabinets • Evaporators

| TECHNICAL SPECIFICATION | |
|---|--|
| Max. flow rate | 132gph (500 l/h) |
| Max. discharge head Flow= 13gph (50l/h) | 21ft (6.4m) @ 60Hz 18ft (5.5m) @ 50Hz |
| Shut-off (max pressure, flowrate=0) | 23ft (7.0m) @ 60Hz 19ft (5.8m) @ 50Hz |
| Sound level in application at 3.3ft (1m): ≤ 45 dBA (Measured in Sauermann acoustic lab, pump operating with water) | |
| Mains supply | 120V~ 60Hz - 85 W - 1.45A 230V~ 50/60Hz - 80 W - 0.72A |
| Detection levels | On= 2 ³ / ₃₂ " , Off= 1 ²¹ / ₃₂ " , Safety= 2 ¹ / ₂ " (ON: 53mm, OFF: 42mm, Al: 64mm) |
| Safety switch | NC 4 A resistive – 42V peak |
| Max. condensate temperature | 150°F (65°C), short peak 176°F (80°C) – 1min |
| Max. condensate acidity | pH > 2.5 (Gas condensing boilers) |
| Thermal protection (overheating) | 248°F (120°C) auto-reset |
| Intermittent operation cycle | 30%: 3s ON – 7s OFF |
| Protection | IP20 |
| Safety standards | UL/CSA certified by Intertek |
| RoHS directive | Compliant |
| WEEE directive | Compliant |
| Weight (including box) | 5.5 lbs (2.5 kg) |
| Box | L 11 ⁵ / ₈ " x W 5 ⁵ / ₁₆ " x H 7 ¹ / ₄ " (L295xW135xH185 mm) |
| Master Pack | 5 pcs: L 28 ¹ / ₈ " x W 12 ³ / ₈ " x H 8 ¹ / ₂ " (L715xW315xH215 mm) |
| Pallet quantity | 5x3x6= 90pieces (EUR size) |



| ACTUAL FLOW RATES (gph) | | | | |
|--|---|-------------|-------------|--------------|
| Vertical Discharge head | Total tube length - Øint 3/8" (10 mm) @ 50/60 Hz | | | |
| | 16ft (5 m) | 30ft (10 m) | 60ft (20 m) | 100ft (30 m) |
| 3 ¹ / ₄ ft (1 m) | 100 | 92 | 74 | 61 |
| 6 ¹ / ₂ ft (2 m) | 82 | 75 | 61 | 50 |
| 10ft (3 m) | 65 | 58 | 48 | 38 |
| 13ft (4 m) | 50 | 42 | 36 | 28 |
| 16ft (5 m) | 30 /37 | 26 /29 | 21 /22 | 16 /17 |
| 18ft (5.5 m) | | 11 /20 | 8 /13 | 5 /11 |



RECOMMENDED ACCESSORIES



ACC 00125,
Hose Øint 3/8" (10mm)
82ft (25 m) roll



ACC 00801
Replacement
check valve
Øext 3/8" (10 mm)



ACC 02040
Adaptor with 5 different Øint
5⁵/₈" - 3¹/₄" - 1" - 1¹/₄" - 1¹/₂"
(15/17 - 20 - 24/25 - 32 - 40 mm)