

SI-1801

23'

CENTRIFUGAL PUMP



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.

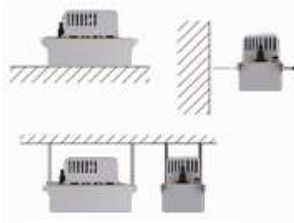
Strong, the SI-1801 tolerates charged, high temperature and mild acidic condensates (pH>2.5) produced by gas condensing boilers.

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 mm) hose plug in.
- 4 inlet holes $\text{Ø} 1 \frac{3}{16}''$ (30 mm) + **includes multi-diameters rubber adaptor**

• High resistance

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

• Safety

- **Includes safety switch**

KIT CONTENTS



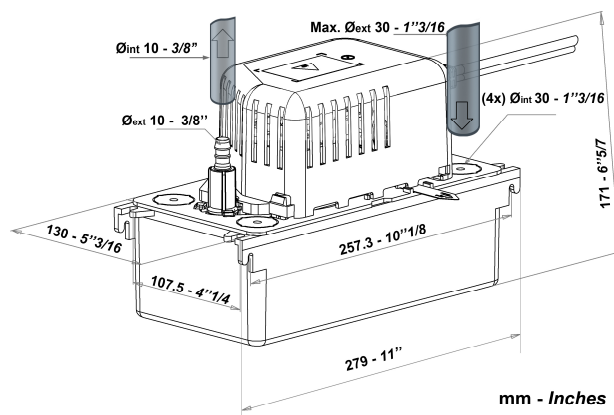
- One-piece centrifugal pump with $\frac{1}{2}$ gal (2L) tank
- Integrated barb end check valve $\text{Ø}_{\text{ext}} 3/8''$ (10 mm)
- Power cord, 6ft (1.8m), with **US plug** (120 or 230V type)
- **Built-in safety switch**, wires 1ft (0.3m), bare ends
- **Adaptor** $\text{Ø}_{\text{int}} \frac{5}{8}''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

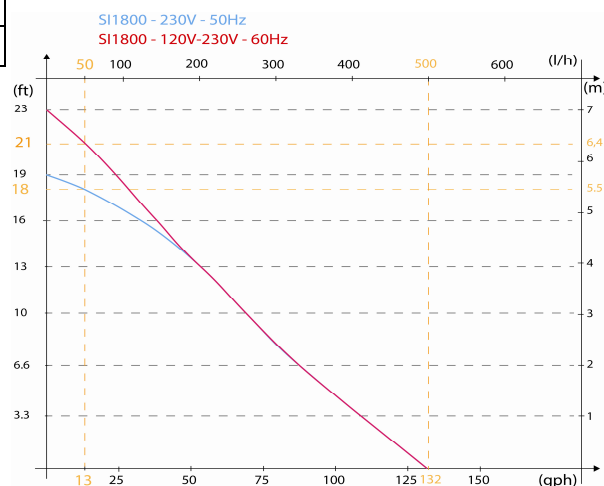
TECHNICAL SPECIFICATION

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) @ 50/60Hz			
	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
5/8" - 3/4" - 1" - 1 1/4" - 1 1/2"
(15/17 - 20 - 24/25 - 32 - 40 mm)