

# 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.

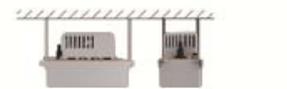
**Sauermann part # : SI1801US11/T or 23/T includes 20ft roll of tubing, rubber adaptor & built-in safety switch.**

### BENEFITS



● **High performance**

- 23ft (7.0m) shut-off
- Can discharge condensates **up to 21ft (6.4m)** at 60Hz (18ft (5.5m) at 50Hz,)
- **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**
- **Includes 20ft roll of tubing**

● **High resistance**

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

● **Safety**

- **Includes safety switch**

### KIT CONTENTS

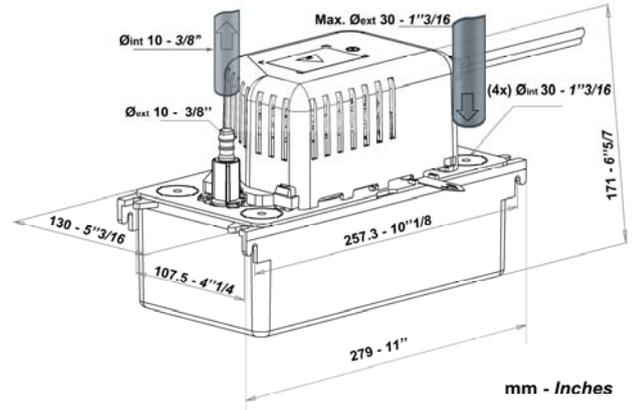


- One-piece centrifugal pump with  $\frac{1}{2}$  gal (2L) tank
- Integrated barb end check valve  $\text{Ø}_{\text{ext}} 3/8''$  (10 mm)
- Power cord, 6ft (1.8m), with **US plug** (120 or 230V type)
- **Built-in safety switch**, wires 1ft (0.3m), bare ends
- **roll of tubing**, 20ft (6.0m) -  $\text{Ø}_{\text{int}} \frac{3}{8}''$  (10 mm)
- **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

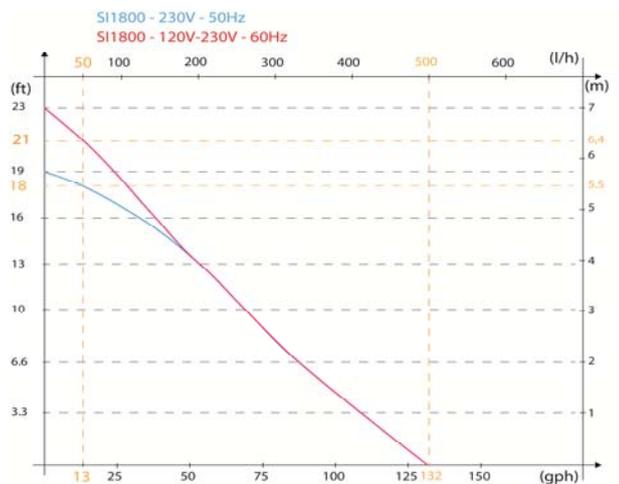
## APPLICATIONS

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

TECHNICAL SPECIFICATION	
<b>Max. flow rate</b>	<b>132gph (500 l/h)</b>
<b>Max. discharge head</b> Flow= 13gph (50l/h)	<b>21ft (6.4m) @ 60Hz</b> <b>18ft (5.5m) @ 50Hz</b>
<b>Shut-off (max pressure, flowrate=0)</b>	<b>23ft (7.0m) @ 60Hz</b> <b>19ft (5.8m) @ 50Hz</b>
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 <sup>3</sup> / <sub>32</sub> " , Off= 1 <sup>21</sup> / <sub>32</sub> " , Safety= 2 <sup>1</sup> / <sub>2</sub> " (ON: 53mm, OFF: 42mm, Al: 64mm)
Safety switch	NC 4 A resistive – 42V peak
<b>Max. condensate temperature</b>	<b>150°F (65°C),</b> <b>short peak 176°F (80°C) – 1min</b>
<b>Max. condensate acidity</b>	<b>pH &gt; 2.5 (Gas condensing boilers)</b>
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)	6.2 lbs (2.8 kg)
Box	L 11 <sup>5</sup> / <sub>8</sub> " x W 5 <sup>5</sup> / <sub>16</sub> " x H 9 <sup>7</sup> / <sub>8</sub> " (L295 xW135 xH250 mm)
Master Pack	4 pcs: L12 <sup>3</sup> / <sub>8</sub> "x W 11 <sup>3</sup> / <sub>8</sub> "x H 21 <sup>1</sup> / <sub>16</sub> " (L315 xW290 xH535 mm)
Pallet quantity	4x8x3= 96 pieces (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 <sup>1</sup> / <sub>4</sub> ft (1 m)	100	92	74	61
6 <sup>1</sup> / <sub>2</sub> 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<sup>1</sup>/<sub>8</sub>" - 3<sup>1</sup>/<sub>4</sub>" - 1" - 1<sup>1</sup>/<sub>4</sub>" - 1<sup>1</sup>/<sub>2</sub>"  
(15/17 - 20 - 24/25 - 32 - 40 mm)