sauermann®

Sauermann part # : SI1801SCUS11 or SI1801SCUS23



I-18

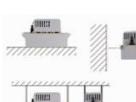
The SI-1801 pump is designed to be easily installed whatever the layout of the premises.

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 Øint 3/8" (10 mm) hose plug in.

- 4 inlet holes Ø 1 ${}^{3}I_{16}$ " (30 mm) + includes multi-diameters rubber adaptor

High resistance

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

Safety

- Includes safety switch

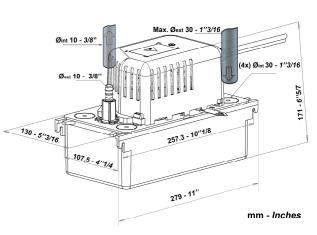


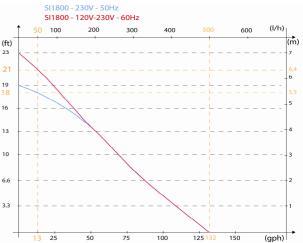
- One-piece centrifugal pump with ½ gal (2L) tank
- Integrated barb end check valve Øext 3/8" (10 mm)
- Power cord, 6ft (1.8m), with US plug (120 or 230V type)
- <u>Built-in safety switch</u>, wires 1ft (0.3m), bare ends <u>Adaptor</u> Øint ${}^{5}/_{8}$ "- ${}^{3}/_{4}$ "- 1"- 1 ${}^{1}/_{4}$ " 1 ${}^{1}/_{2}$ " (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

Max. flow rate132gph (500 l/h)Max. discharge head Flow= 13gph (50/h)21ft (6.4m) @ 60Hz 18ft (5.5m) @ 50HzShut-off (max pressure, flowrate=0)23ft (7.0m) @ 60Hz 19ft (5.8m) @ 50HzSound level in application at 3.3ft (1m): ≤ 45 dBA (Measured in Sauermann acoustic lab, pump operating with water)Mains supply120V~ 60Hz - 85 W - 1.45A 230V~ 50/60Hz - 80 W - 0.72ADetection levelsOn= $2^3/_{32}$, Off= $1^{21}/_{32}$ ", Safety= $2^1/_2$ " (ON: 53mm, OFF: 42mm, Al: 64mm)Safety switchNC 4 A resistive - 42V peakMax. condensate acidity150°F (65°C), short peak 176°F (80°C) - 1min pH > 2.5 (Gas condensing boilers)Thermal protection (overheating)248°F (120°C) auto-resetIntermittent operation cycle30%: 3s ON - 7s OFFProtectionIP20Safety standardsUL/CSA certified by Intertek RoHS directiveCompliantWEEE directiveWeight (including box)5.5 lbs (2.5 kg) 5 pcs: L 28 'Je" x W 12 'Je" x W 13 'Je" x W 13 'Je" x W 12 'Je" x W 14 'Je" (L715xW315xH215 mm)Master Pack5 pcs: L 28 'Je" x W 12 'Je" x W 14 'Je" (L715xW315xH215 mm)Pallet quantity5x3x6=90pieces (EUR size)	TECHNICAL SPECIFICATION	
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(L715xW315xH215 mm)	Master Pack	5 pcs: L 28 ¹ / ₈ " x W 12 ³ / ₈ " x H 8 ¹ / ₂ "
Pallet quantity 5x3x6=90pieces (EUR size)		
	Pallet quantity	5x3x6= 90pieces (EUR size)





18ft (5.5 m) 11 /20 RECOMMENDED ACCESSORIES

ACTUAL FLOW RATES (gph)

Vertical

Discharge head

 $3^{1}I_{4}$ ft (1 m)

 $6^{1}I_{2}$ ft (2 m)

10ft (3 m)

13ft (4 m)

16ft (5 m)



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

16ft

(5 m)

100

82

65

50

30 /37

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

100ft

(30 m)

61

50

38

28

16 /17

5 /11

Total tube length - Øint 3/8" (10 mm)

@ 50/**60**Hz

60ft

(20 m)

74

61

48

36

21 /22

8 /**13**

30ft

(10 m)

92

75

58

42

26 /**29**



ACC 02040 Adaptor with 5 different Øint ${}^{5}I_{8}$ "- ${}^{3}I_{4}$ "- 1"- 1 ${}^{1}I_{4}$ " - 1 ${}^{1}I_{2}$ " (15/17 - 20 - 24/25 - 32 - 40 mm)