


Performance and technical characteristics		
	Mains supply 120V~ 60 Hz - 1.5A 90W (SI1805SIUS11) 230V~ 50/60Hz – 0.8A 90 W (SI1805SIUS23)	
	Max flow rate 132 gph (500l/h)	
	Max discharge head 16 ft (5m)	
	Max pressure Head 20 ft (6m) in 60Hz (18ft (5.8m) in 50Hz)	
	Sound level in application (Measured in Sauerermann acoustic lab, pump operating with water)	≤47 dBA at 1 m (3.3ft)
	Max condensate temperature 149F (65°C) (176F (80° C) – 1min)	
	Max condensate acidity pH > 3.4	
	Detection Levels	On= 1 1/4" Off= 1", Alarm= 1 9/16" (On=32mm, Off=25mm, Alarm=39mm)
	Alarm contact	NC 4 A resistive
	Thermal protection (overheat) Intermittent operation cycle	266F (130°C) auto-reset 30%: 3s ON – 7s OFF
	Safety Standards	UL/CSA certified by Intertek
	RoHS directive WEEE directive	Complies Complies
	Pump dimensions	L7 3/4" W5" H4 13/16" L 195 x W130 x H 122 mm
	Box dimensions	L 11 1/2" x W 5.1/3" x H 9 4/5" L 235 x W 135 x H 185 mm
	Tank dimensions	L7 3/4" W5"H10/6" L 195 x W 130 x H 43 mm
Weight (including box)	4.4 lbs (2.0 kg)	
Master Pack quantity	10 pieces	

## Features & benefits

- Thermal protection
- High discharge head
- High flow rate
- Compact and reversible pump

## Description

Monobloc automatic impeller tank pump.

- Centrifugal pump for heavy and contaminated condensates
- Alarm contact normally closed that automatically cuts off the air conditioning system compressor or a solenoid valve.

## Kit contents

- Integrated tank pump of 0,13 gal (0.5l)
- Integrated check valve
- Installation Kit : 2 screws and plugs
- Power cable : 3 core cable with electrical plug (120 V or 230 V), 6.5 ft
- Alarm : 2 black wires 1.0 ft
- Inlet rubber adapter Ø 1"

## Applications

Condensing Boilers  
High efficiency Gas furnace

Multi-cassettes  
Column units  
Laboratory evaporators  
Display cabinets

Cold store evaporator  
Ducted units



## Accessories



**ACC 00125, ACC 00126**  
Clear tubing Ø 3/8" int.  
ACC 00125 : 82 ft roll  
ACC 00126 : reinforcing 82 ft roll



**ACC 00110**  
Special install kit for SI 1805  
Consisting of:  
1 X ACC 00225, 1 X ACC 00230,  
1 X ACC 00240



Adapter  
**ACC 00225:** Ø 1"  
**ACC 00230:** Ø 1"1/4  
**ACC 00240:** Ø 1"1/2



**ACC 00801**  
Check valve Ø 3/8"

## Table of true flow rate for SI 1805

The head losses defined in this table are calculated with a Ø 0.38" int. flexible pipework	Vertical discharge head	Total tubing length			
		16 ft (in gph)	33 ft (in gph)	66 ft (in gph)	98 ft (in gph)
	3.3 ft	121	100	73	52
	6,6 ft	103	84	63	47
	10 ft	79	66	50	39
	13 ft	52	47	34	26
	16ft	23	21	15	13