


	Performance and technical characteristics	
	Mains supply	230V~ 50/60Hz - 90 W
	Max flow rate	500 l/h
	Max discharge head	5.4 m
	Max pressure	5.8 m
	Sound level in application (Measured in Sauermann acoustic lab, pump operating with water)	≤47 dBA at 1m (3.3 ft)
	Detection Levels (±3mm)	On=32mm, Off=25mm, Alarm=39mm
	Max condensate temperature	65°C (80°C - 1min)
	Max condensate acidity	pH > 3.4
	Safety switch	NC 4 A resistive - 250V
	Thermal protection (overheat)	120°C (auto-reset)
Intermittent operation cycle	30%: 3s ON – 7s OFF	
Protection	IP 20	
Safety Standards	CE	
RoHS directive	Conform	
WEEE directive	Conform	
Pump dimensions	L 195 x W130 x H 132 mm	
Box dimensions	L 235 x W 135 x H 185 mm	
Tank dimension	L 195 x W 130 x H 43 mm	
Weight (including box)	2.0 kg	
Master Pack quantity	10 pieces	

Features & benefits

- High discharge head
- High flow rate
- Compact and reversible pump
- Thermal protection 120°C

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 0,5 l
- Integrated check valve
- Installation Kit : 2 screws and 2 rawl plugs
- Power cable : 2 m with European plug
- Safety switch wires : 1 m, 2 wires (NC contact)

Applications

Condensing Boilers
High efficiency Gas furnace

Multi-cassettes
Column units
Laboratory evaporators
Display cabinets

Cold store evaporator
Ducted units



Accessories

	<p>ACC 00110 Install kit Consisting of: 1 X ACC 00225, 1 X ACC 00230, 1 X ACC 00240</p>		<p>Adaptors ACC 00225: Ø 24-25mm ACC 00230: Ø 32 mm ACC 00240: Ø 40 mm</p>
	<p>ACC 00125, ACC 00126 Clear PVC flexible hose Ø 10 mm ACC 00125 : 25 m roll ACC 00126 : reinforcing 25 m roll</p>		<p>ACC 00601 Float detector Used to operate an additional alarm or switch on the pump</p>
		<p>ACC 00801 Check valve Ø 10mm (2/5")</p>	

Table of true flow rate for SI 1805

The head losses defined in this table are calculated with a Ø 10 mm int. flexible pipework	Vertical discharge head	Total tubing length			
		5 m (in l/h)	10 m (in l/h)	20 m (in l/h)	30 m (in l/h)
	1 m	460	380	280	200
	2 m	390	320	240	180
	3 m	300	250	190	150
	4 m	200	180	130	100
	5 m	90	80	60	50