


| Performance and technical characteristics  |   |                                   |
|--|---|-----------------------------------|
|  | Mains supply  | 230V~ 50Hz - 325 W                |
|  | Max flow rate   | 1100 l/h (242 gph)                |
|  | Max discharge head  | 10 m (32.8 ft)                    |
|  | Max pressure  | 11 m (36 ft, Flowrate= 0)         |
|  | Sound level in application<br>(Measured in Sauermann acoustic lab, pump operating with water) | 66 dBA at 1m (3.3ft)              |
|  | Detection levels (+/- 3mm)  | On=81mm, Off=48mm,<br>Alarm=101mm |
|  | Alarm contact   | NC 4 A resistive – 250V           |
|  | Thermal protection (overheat)   | 135°C                             |
|  | Safety Standards  | CE                                |
|  | RoHS directive  | Conform                           |
|  | WEEE directive  | Conform                           |
|  | Pump dimensions   | L 305 x W 152 x H 257 mm          |
|  | Weight (including box)  | ± 5.9 kg                          |
|  | Packaging   | 3 pcs                             |

## Features & benefits

- High discharge head
- High flowrate
- Integrated tank pump of 3.8l (1gal)
- High temperature resistance (87°C)
- Thermal protection de 135°C

## Description

Monobloc centrifugal pump with tank.

- Centrifugal pump for heavy and contaminated condensates
- Suitable for mild acid and hot condensates (87°C max)
- Normally closed alarm contact that automatically cuts off the air conditioning system compressor or a solenoid valve.
- Thermal protection: 135°C

## Kit contents

- Automatic pump with integrated 3.8l tank
- Integrated non return valve

## Applications

Condensing boilers  
High efficiency gas furnaces

Multi-cassettes  
Column units  
Laboratory evaporators  
Display cabinets

Cold store evaporators  
Ducted units



## Accessories

|  |   |  |  |
|--|---|--|--|
|  | <p><b>ACC 00110</b><br/>Install kit<br/>Consisting of:<br/>1 X ACC 00225, 1 X ACC 00230,<br/>1 X ACC 00240</p>                  |  | <p><b>Adaptors</b><br/>ACC 00225: Ø 24-25mm<br/>ACC 00230: Ø 32 mm<br/>ACC 00240: Ø 40 mm</p>            |
|  | <p><b>ACC 00125, ACC 00126</b><br/>Clear PVC tubing Ø 10 mm<br/>ACC 00125 : 25 m roll<br/>ACC 00126 : reinforcing 25 m roll</p> |  | <p><b>ACC 00601</b><br/>Float detector<br/>Used to operate an additional alarm or switch on the pump</p> |

## Table of true flow rate for SI 1850

| 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                     | 750                 | 590           | 375           | 285           |
|  | 2 m                     | 675                 | 545           | 345           | 270           |
|  | 3 m                     | 600                 | 500           | 310           | 255           |
|  | 4 m                     | 520                 | 460           | 285           | 235           |
|  | 5 m                     | 450                 | 410           | 255           | 215           |
|  | 6 m                     |                     | 355           | 225           | 190           |
|  | 7 m                     |                     | 300           | 185           | 160           |
|  | 8 m                     |                     | 240           | 145           | 125           |
|  | 9 m                     |                     | 170           | 100           | 85            |
|  | 10 m                    |                     | 85            | 60            | 45            |