


| Performance and technical characteristics | | |
|---|---|---|
|  | Mains supply | 230V~ 50Hz - 70 W – 0.67A |
| | Max flow rate | 500 l/h |
| | Max discharge head | 5.0m |
| | Max pressure | 5.4 m (flowrate=0) |
| | Noise level in application (Measured in Sauermann acoustic lab, pump operating with water) | ≤ 45 dBA at 1m (3.3ft) |
| | Water Levels | On=43mm, Off=27mm, Alarm=67mm |
| | Max condensate temperature | 65°C, 80°C in short peak |
| | Max condensate acidity | pH > 2.5 (Gas condensing boilers) |
| | Alarm contact | NC 4 A resistive – 250V |
| | Thermal protection (overheat) | 105°C (auto-reset) |
| | Protection | IP 20 |
| | Safety Standards | CE certified by VDE laboratory |
| | RoHS directive | Conform |
| | WEEE directive | Conform |
| | Pump dimensions | L 279 x W 130 x H 171mm |
| Box dimensions | L 293 x W 136 x H 183 mm | |
| Weight (including box) | ± 2.05 kg | |
| Master Pack quantity | 10 pieces | |
| Pallet quantity | 90 pieces | |

Avantages

- 4 fixing slot holes that allow the pump to be attached either on a wall or hanging from a ceiling (on M8 or smaller screw thread size).
- **4 inlets** Ø30mm
- Quarter turn **easily removable check valve**, for PVC tubing 10 mm (3/8”) or 6 mm (1/4”)
- **Low noise level** – quiet operation
- Easily removable tank and reversible pump
- Oil and acid resistant float
- Reinforced mechanical structure **improving shocks resistance**
- **High discharge head**
- High flow rate for **shorter running time**
- Thermal protection 105°C auto-reset

Description

One-piece centrifugal pump with tank.

- Centrifugal pump for heavy and contaminated condensates
- **Suitable for gas condensing boilers** producing acid (pH > 2.5) and hot condensates (65°C max, 80°C in short peak)
- Normally closed alarm contact that automatically cuts off the air conditioning system compressor or a solenoid valve.

Kit contents

- Integrated tank pump of 2 l
- Integrated check valve
- Power cable : 2 m bare ends
- Alarm wires : 1 m
- Tubing adapter: 10 mm (3/8") to 6 mm (1/4")
- 2 screws + plug

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 10 mm
ACC 00125 : 25 m roll
ACC 00126 : reinforcing
25 m roll



Adapter
ACC 00225: Ø 25mm
ACC 00230: Ø 32 mm
ACC 00240: Ø 40 mm



ACC 00801
Check valve Ø 10 mm

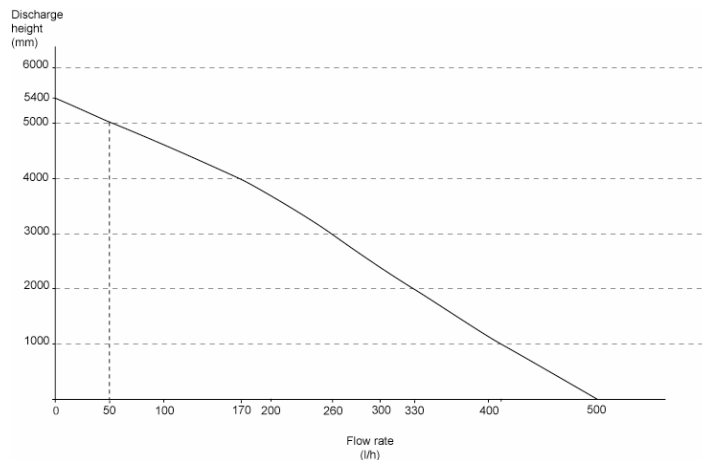


Table of true flow rate for SI 1800

| 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 | 380 | 300 | 240 | 190 |
| | 2 m | 310 | 260 | 200 | 150 |
| | 3 m | 240 | 200 | 145 | 110 |
| | 4 m | 150 | 130 | 80 | 60 |
| | 5 m | 30 | 20 | 0 | 0 |