

Performance and technical characteristics	
    	Mains supply <span style="float: right;">230V~ 50Hz - 75 W – 0.80A</span>
	Max flow rate <span style="float: right;">400 l/h</span>
	Max discharge head <span style="float: right;">3.7 m (Q=50l/h)</span>
	Max pressure <span style="float: right;">4 m (flowrate=0)</span>
	Sound level in application (Measured in Sauermann acoustic lab, pump operating with water) <span style="float: right;">≤43 dBA at 1m (3.3ft)</span>
	Detection Levels <span style="float: right;">On=27mm, Off=21mm, Alarm=32mm</span>
	Max condensate temperature <span style="float: right;">65°C, 80°C in short peak</span>
	Max condensate acidity <span style="float: right;"><b>pH ≥ 2 (Oil condensing boilers)</b></span>
	Safety switch <span style="float: right;">NC 4 A resistive – 250V</span>
	Thermal protection (overheat) <span style="float: right;">120°C (auto-reset)</span>
	Intermittent operation cycle Protection <span style="float: right;">15%: 1s ON – 15s OFF IP X4</span>
	Safety Standards <span style="float: right;">CE</span>
	RoHS directive <span style="float: right;">Conform</span>
	WEEE directive <span style="float: right;">Conform</span>
Pump dimensions without tank <span style="float: right;">L 190 x W 80 x H 100 mm</span>	
Pump dimensions with tank <span style="float: right;">L 221 x W 100 x H 106 mm</span>	
Box dimensions <span style="float: right;">L 293 x W 136 x H 183 mm</span>	
Tank dimension <span style="float: right;">L 221 x W 100 x H 81 mm</span>	
Weight (including box) <span style="float: right;">2.5 kg</span>	
Master Pack quantity <span style="float: right;">5 pieces</span>	
Pallet quantity <span style="float: right;">90 pieces</span>	

## Features and benefits

- Can be used on **oil condensing boilers** without neutralization (pH ≥ 2)
- **Heavy duty IPX4 design**, protects motor and switches from acid vapors
- **Innovating system of detection (using magnet)**
  - ⇒ Robustness and protection of the mechanical and electric parts
  - ⇒ Acid proof and fouling free float mechanism (oil residues)
- Quarter turn **easily removable check valve**, for PVC tubing 10 mm (3/8") or 6 mm (1/4")
- **Extra Low sound level** – quiet operation
- **Extra compact size** and low detection level
- Easily removable tank and reversible pump
- Oil and acid resistant float
- 2 fixing holes that allow the pump to be attached on a wall
- 1 inlet Ø23.5mm
- **Reinforced mechanical structure** improving shocks resistance
- High flow rate for shorter running time
- Thermal protection 120°C auto-reset
- In-pan application



Stand alone pump without tank

## Description

IPX4 centrifugal pump with tank.

- Centrifugal pump for heavy and contaminated condensates
- **Suitable for acid** (pH ≥ 2) and hot (80°C max) condensates of either **gas or oil boilers**
- Normally closed alarm contact 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
- Power cable : 1.5 m bare ends (L, N, G)
- Safety switch wires : 1 m
- 2 screws + 2 rawl plugs
- clear PVC Tubing :5m roll - 10 mm ID (3/8")
- 10 to 10 mm (3/8" to 3/8") adaptor for clear tubing Ø10mm extension (INJ10026)
- 10 to 20 mm (3/8" to 3/4") outlet adaptor for rigid tubing Ø20mm (ACC00220)

## Applications

Condensing Boilers (gas and oil)  
High efficiency Gas furnace

Multi-cassettes  
Column units  
Laboratory evaporators  
Display cabinets

Cold store evaporator  
Ducted units



## Accessories



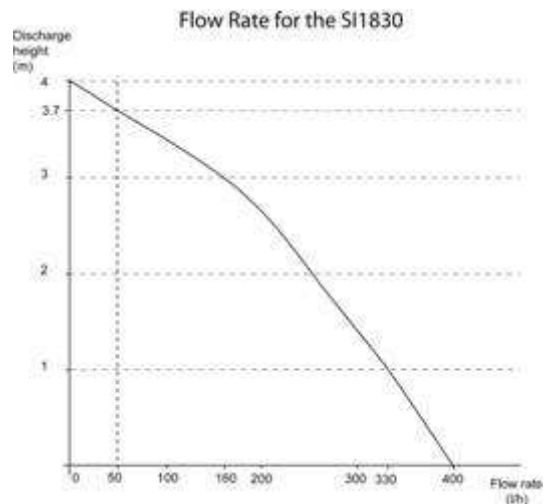
**ACC 00125, ACC 00126**  
Clear PVC flexible hose  
Ø 10 mm  
ACC 00125 : 25 m roll  
ACC 00126 : reinforcing 25 m roll



**Adapter**  
ACC 00225: Ø 24-25mm  
ACC 00230: Ø 32 mm  
ACC 00240: Ø 40 mm



**ACC 00801**  
Check valve Ø 10 mm



## Table of true flow rate for SI 1830

The head losses defined in this table are calculated with a Ø 10 mm int. flexible pipework	Vertical discharge head (m)	Total tubing length			
		5 m (in l/h)	10 m (in l/h)	20 m (in l/h)	30 m (in l/h)
	1	320	270	190	150
	2	240	200	130	100
	3	150	110	70	50
	3.7	50	40	25	15
	4	0	0	0	0