

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

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 : 2 m bare ends (L, N, E)
- Alarm 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 tubing 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

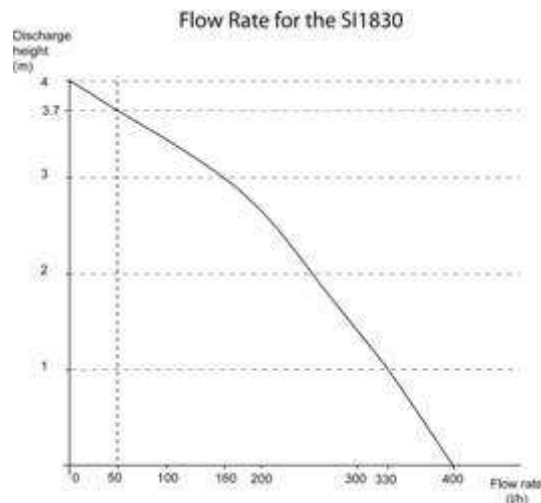


Table of true flow rate for SI 1830

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