DATA SHEET

SI 1830

Centrifugal pump

Sauermann® part #: SI1830SCUN23

Durable pump

The SI 1830 pump is designed to be easily installed whatever the layout of the premises. Capable of evacuating up to 400 l/h, the SI 1830 pump is suitable for air conditioning units and industrial refrigeration displays.
Strong, the SI 1830 tolerates charged, high temperature and acidic condensates (pH > 2) produced by oil condensing boilers.

Benefits

High resistance

- Heavy duty IPX4 design.
- Oil and acid resistant float.
- Mechanical structure resistant to shocks.

Installation in any place

- Pump can be floor mounted, attached on a wall or stand alone without tank.

High performance

- Can discharge condensates up to 3.7 m.
- Up to 400 l/h, for shorter running time.
- Low sound level – quiet operation.

Versatile

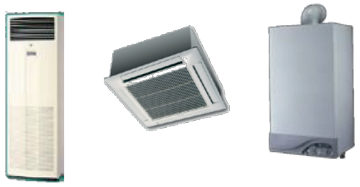
- Easily removable tank and reversible pump, to allow mounting rather on the left or on the right of the application and choosing the side of the water exit.

Kit content

- One-piece centrifugal pump with tank (0.5L)
- Integrated barb end check valve Ø ext. 10 mm (3/8")
- Power cord (1.5 m, European plug) - Safety switch cord (1m, bare ends)
- Inlet hose: 5 m roll Ø int. 10 mm (3/8")
- Adaptor Ø int. 15-20-24-32-40 mm (Ø int. 5/8"-3/4"-1"- 1"1/4 -1"½)
- 2 screws + 2 plugs

Technical specifications

Max. flow rate	400 l/h
Max. discharge head	3.7 m (flow rate = 50 l/h)
Max pressure	4 m (flow rate = 0)
Sound level in application at 1 m (3.3 ft): ≤ 43 dBA (Measured in Sauermann acoustic lab, pump operating with water)	
Mains supply	230 V~ 50 Hz/60 Hz - 75 W – 0.80 A
Detection levels	On: 27mm, Off: 21mm, Safety: 32mm
Safety switch	NC 4 A resistive – 250 V
Max. condensate temperature	65 °C, 80 °C in short peak
Max. condensate acidity	pH > 2 (Gas & oil condensing boilers)
Thermal protection (overheating)	120 °C (auto-reset)
Operating and storage temperature	+2 to +50 °C
Operating conditions	15 %: 1 s ON – 5 s OFF
Protection	IPX4
Safety standards	CE - EAC - UKCA
RoHS directive	Compliant
WEEE directive	Compliant
Packaging	5 pieces : L 293 x W 136 x H 183 mm
Weight (including box)	2.5 kg



Applications

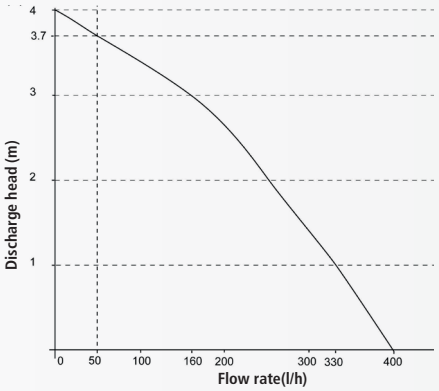
- Column air conditioning units
- Multi cassettes
- Gas & oil condensing boilers
- High efficiency gas furnace
- Refrigerating display cabinets
- Evaporators
- Ducted units

Accessories

	Name	#Part
	Hose Ø int. 10 mm (3/8") Ø ext. 10 mm (3/8")	ACC00911 (25 m) ACC00915 (braided, 25 m)
	Check valve for replacement Ø ext. 10 mm (3/8")	ACC00925
	Adaptators	
	Ø int. 24/25 mm	ACC00936
	Ø int. 32 mm	ACC00937
	Ø int. 40 mm	ACC00938

Actual flow rates (l/h)

	Total tube length (Ø int. 10 mm, 3/8")			
Vertical Discharge head	**5 m**	**10 m**	**20 m**	**30 m**
1 m	320	270	190	150
2 m	240	200	130	100
3 m	150	110	75	50
3,7 m	50	40	25	15
4 m	0	0	0	0



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