

DATA SHEET

SI-1800

Centrifugal pump

Part #: 71100



Durable pump

The Si-1800 pump is designed to be easily installed whatever the layout of the premises. Capable of evacuating up to 500 l/h, the Si-1800 pump is suitable for air conditioning units and industrial refrigeration displays. Strong, the Si-1800 tolerates charged, high temperature and acidic condensates (pH>2.5) produced by gas condensing boilers.

Benefits



High performance

- Can discharge condensates up to 5 m
- Up to 500 l/h, for shorter running time
- Low sound level – quiet operation



Easy electrical connection

- Plug-in power cord to facilitate installation and maintenance.



Installation in any place

- Pump can be floor mounted, attached on a wall or hanging from a ceiling.



Easy hydraulic connection

- Quarter turn easily removable check valve, designed to facilitate int. Ø 10 mm (3/8") hose plug in.
- 4 inlet holes Ø 30 mm (1"3/16)



Versatile

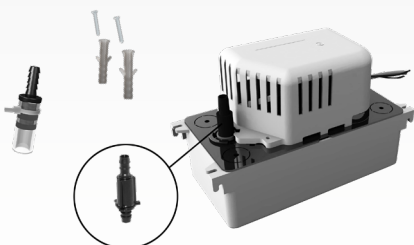
- Easily removable tank and reversible pump, to allow mounting either on the left or on the right of the application and choosing the side of the water exit.



High resistance

- Oil and acid resistant float
- Mechanical structure resistant to shocks

Kit content



- One-piece centrifugal pump with tank (2 L)
- Integrated barbed end check valve ext. Ø 10 mm (3/8")
- Plug-in power (2 m, European plug) & safety switch cord (1.5 m, bare ends)
- Straight connector ext. Ø 10 mm (3/8") – ext. Ø 6 mm (1/4")
- 2 screws + 2 plugs

Technical specifications

Max. flow rate	500 l/h
Max. discharge head	5 m
Max pressure	5.4 m (flowrate = 0)
Sound level in application at 1m (3.3 ft): 45 dBA	
Mains supply	230 V~ 50 Hz - 70 W - 0.67 A
Detection levels	ON: 43 mm; OFF: 27 mm; Alarm: 56 mm
Max. condensate temperature	T < 65 °C (80 °C - 1 min.)
Max. condensate acidity	pH > 2.5 (Gas condensing boilers)
Thermal protection (overheating)	105 °C (auto-reset)
Operating conditions	30%: 3 s ON – 7 s OFF
Protection	IP20
Safety standards	CE, EAC, UKCA
RoHS directive	Compliant
WEEE directive	Compliant
Pump dimensions	L 279 x W 130 x H 171 mm
Tank dimensions	L 246 x W 130 x H 82 mm
Box dimensions	L 285 x W 135 x H 185 mm
Weight (including box)	2.5 kg



Applications

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

Accessories

Name	#Part
 Clear PVC tubing int. Ø 10 mm (3/8"), 25 m roll	ACC00911 ACC00915 (Braided)
Inlet adaptors	
 Ø int. 24/25 mm	ACC00936
Ø int. 32 mm	ACC00937
Ø int. 40 mm	ACC00938
 Check valve For replacement ext. Ø 10 mm (3/8")	ACC00925

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	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

