

# SI 1822

## CENTRIFUGAL PUMP



### Large tank pump

The SI 1822 pump is designed to evacuate heavy and contaminated condensates.

Capable of evacuating up to 380 l/h, the SI 1822 pump is suitable for air conditioning units and industrial refrigeration displays. Strong, the SI 1822 tolerates charged, high temperature and acidic condensates (pH>3.4) produced by gas condensing boilers

### BENEFITS

- **High performance**

- Reduces operating cycle number thanks to integrated large tank of **3.8 liters**. (1 gal)
- Can discharge condensates **up to 5.8 m**.
- **Up to 380 l/h**.

- **High resistance**

- Suitable for mild acid and hot condensate. (**pH ≥3.4 et T°≤65°C**)
- Thermal protection at 105°C. (**auto-reset**)

- **Safety**

- Normally closed alarm contact.

### KIT CONTENTS



- One-piece centrifugal pump with tank (3.8L)
- Integrated barb end check valve Ø ext. 10 mm (3/8")

## APPLICATIONS

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



### TECHNICAL SPECIFICATION

<b>Max. flow rate</b>	<b>380 l/h</b>
<b>Max. discharge head</b>	<b>5.8 m</b>
Max pressure	6.2 m (flowrate =0)
Sound level in application at 1m(3.3ft): ≤ 47 dBA (Measured in Sauermann acoustic lab, pump operating with water)	
Mains supply	230V~ 50Hz - 90 W
Detection levels	On : 75mm, Off : 20mm Safety : 90mm
Safety switch	NC 4 A résistive – 250V
<b>Max. condensate temperature</b>	<b>65°C, 80°C in short peak</b>
<b>Max. condensate acidity</b>	<b>pH &gt; 3.4 (Gas condensing boilers)</b>
Thermal protection (overheating)	105°C (auto-reset)
Operating conditions	100% - Continuous duty
Protection	IP20
Safety standards	CE and EAC
RoHS directive	Compliant
WEEE directive	Compliant
Pump dimensions	L305 x l 152 x H 235 mm
Weight (including box)	3.0 kg
Packaging	4 pcs

### ACTUAL FLOW RATES (l/h)

Vertical Discharge head	Total tube length (Ø int. 10 mm, 3/8")			
	5 m	10 m	20 m	30 m
1 m	330	260	220	190
2 m	275	220	190	160
3 m	220	175	155	135
4 m	160	130	120	100
5 m	100	80	70	60
6 m	0	15	10	10

### RECOMMENDED ACCESSORIES



**Hose Ø int. 10mm (3/8")**  
ACC00911: 25 m  
ACC00915: Braided, 25 m



**Adaptators**  
Ø int. 24/25 mm: ACC 00936  
Ø int. 32 mm: ACC00937  
Ø int. 40 mm: ACC00938



**Float detector**  
Used to operate an additional safety or switch on the pump.  
ACC00601

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