**DATA SHEET**

# SI 1822

## Centrifugal pump

Sauermann® part #: SI1822SIUN23



### 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 ( $\text{pH} > 3.4$ ) 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.



#### Safety

- Normally closed alarm contact.



#### High resistance

- Suitable for mild acid and hot condensate. ( $\text{pH} \geq 3.4$  et  $T \leq 65$  °C)
- Thermal protection at 105 °C (auto-reset).

### Kit content



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

## Technical specifications






<b>Max. flow rate</b>	380 l/h
<b>Max. discharge head</b>	5.8 m
<b>Max pressure</b>	6.2 m (flowrate =0)
<b>Sound level in application at 1m(3.3ft): ≤ 47 dBA</b> (Measured in Sauermann acoustic lab, pump operating with water)	
<b>Mains supply</b>	230 V~ 50 Hz - 90 W
<b>Detection levels</b>	On: 75 mm; Off: 20mm; Safety: 90 mm
<b>Safety switch</b>	NC 4 A resistive – 250 V
<b>Max. condensate temperature</b>	65 °C, 80 °C in short peak
<b>Max. condensate acidity</b>	pH > 3.4 (Gas condensing boilers)
<b>Thermal protection (overheating)</b>	105 °C (auto-reset)
<b>Operating conditions</b>	100 % - Continuous duty
<b>Protection</b>	IP20
<b>Safety standards</b>	CE - EAC - UKCA
<b>RoHS directive</b>	Compliant
<b>WEEE directive</b>	Compliant
<b>Pump dimensions</b>	L 305 x W 152 x H 235 mm
<b>Weight (including box)</b>	3.0 kg
<b>Packaging</b>	4 pieces



## Applications

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

## Accessories

Name	#Part
 <b>Hose</b> Ø int. 10 mm (3/8")	ACC00911 (25 m) ACC00915 (Braided, 25 m)
 <b>Float detector</b> Used to operate an additional safety or switch on the pump.	ACC00601
<b>Adaptators</b>	
 Ø int. 24/25 mm	ACC00936
 Ø int. 32 mm	ACC00937
 Ø int. 40 mm	ACC00938

## Actual flow rates (l/h)

Vertical Discharge head	Total tube length (Ø int. 10 mm, 3/8")				Vertical Discharge head	Total tube length (Ø int. 10 mm, 3/8")			
	5 m	10 m	20 m	30 m		5 m	10 m	20 m	30 m
1 m	320	260	220	190	4 m	160	130	120	100
2 m	275	220	190	160	5 m	100	80	70	60
3 m	220	175	155	135	6 m	0	15	10	10