

		SI1850
Centrifugal Pump	Tank pump	Sauermann part # : SI1850SIUN23

Performance and technical characteristics

Mains supply	230V~ 50Hz - 325 W
Max flow rate	1100 l/h
Max discharge head	10 m
Max pressure	11 m (36 ft, Flowrate= 0)
Sound level in application (Measured in Sauermann acoustic lab, pump operating with water)	≤66 dBA at 1m (3.3ft)
Detection levels (+/- 3mm)	On=81mm, Off=48mm, Alarm=101mm
Alarm contact	NC 4 A resistive – 250V
Thermal protection (overheat)	135°C (auto-reset)
Safety Standards	CE
RoHS directive	Conform
WEEE directive	Conform
Pump dimensions	L 305 x W 152 x H 257 mm
Weight (including box)	5.9 kg
Packaging	3 pcs

Features & benefits

- High discharge head
- High flowrate
- Integrated tank pump of 3.8l (1gal)
- High temperature resistance (87°C)
- Thermal protection de 135°C

Description

Monobloc centrifugal pump with tank.

- Centrifugal pump for heavy and contaminated condensates
- Suitable for mild acid and hot condensates (87°C max)
- Normally closed alarm contact that automatically cuts off the air conditioning system compressor or a solenoid valve.
- Thermal protection: 135°C

Kit contents

- Automatic pump with integrated 3.8l tank
- Integrated non return valve

Applications

Condensing boilers
High efficiency gas furnaces

Multi-cassettes
Column units
Laboratory evaporators
Display cabinets

Cold store evaporators
Ducted units



Accessories

	ACC 00110 Install kit Consisting of: 1 X ACC 00225, 1 X ACC 00230, 1 X ACC 00240		Adaptors ACC 00225: Ø 24-25mm ACC 00230: Ø 32 mm ACC 00240: Ø 40 mm
	ACC 00125, ACC 00126 Clear PVC flexible hose Ø 10 mm ACC 00125 : 25 m roll ACC 00126 : reinforcing 25 m roll		ACC 00601 Float detector Used to operate an additional alarm or switch on the pump

Table of true flow rate for SI 1850

The head losses defined in this table are calculated With a Ø 10 mm int. Flexible pipework	Vertical discharge head	Total tubing length			
		5 m (in l/h)	10 m (in l/h)	20 m (in l/h)	30 m (in l/h)
	1 m	750	590	375	285
	2 m	675	545	345	270
	3 m	600	500	310	255
	4 m	520	460	285	235
	5 m	450	410	255	215
	6 m		355	225	190
	7 m		300	185	160
	8 m		240	145	125
	9 m		170	100	85
	10 m		85	60	45