

Piston pump
Mini pump

Sauermann part # : SI3200SIUN23


Performance and technical characteristics

Mains supply	230V~ 50/60Hz -18 W
Max flow rate	20 l/h (4.4 gph)
Max suction head	2 m (6.6 ft)
Max discharge head	6 m (19.7 ft)
Sound level in accordance with EN ISO 3744 (Measured at LNE lab, pump operating with water, out of application)	32.4 dBA at 1 m (3.3 ft)
Sound level in application (Measured in Sauermann acoustic lab, pump operating with water)	≤ 34 dBA at 1 m (3.3 ft)
Detection levels	On=16mm, Off=11mm, Alarm=19mm
Alarm contact	NC 8 A resistive – 250V
Thermal protection (overheat) Protection	90°C IP 20
Safety Standards	CE
RoHS directive WEEE directive	Conform Conform
Pump dimensions	L 66 x W 44 x H 59 mm
Detection unit dimensions	L 55 x W 38 x H 36 mm
Weight (including box)	± 0.375 kg
Master pack quantity	25 pieces

Features & benefits

- Small size
- Low maintenance filter-free detection unit
- High performance
- Removable connector and sliding rubber bracket for easy installation

Description

- Mini 20 l/h condensate pump specifically designed for air conditioning units with limited internal space
- Reciprocating piston pump which first sucks in, then evacuates the condensation water.
 - Detection unit fitted with a 3 level float (on / off / alarm).
 - Normally closed alarm contact that automatically cuts off the air conditioning system compressor or a solenoid valve.
 - Thermal protection: 90°C on the pump coil.
 - Electrical connection by plug.

Kit content

- Piston pump bloc
- 1,5 m power + alarm cable
- Detection unit with float (SI2958, 1,5m cable)
- Rubber anti-vibration mounting bracket
- 1,5 m power cable
- Detector installation kit : blond rubber Ø 15 x 35mm, vent pipe Ø 4 x 6mm – 75 mm, self-adhesive mounting rail

Applications

Air conditioners up to 20 kW
 Wall split systems
 Fan coils
 Ceiling suspended units
 Ducted units



Accessories



ACC 00105, ACC 00150, ACC 00151

Clear PVC tubing: 6 mm int.

ACC 00105 : 5 m roll

ACC 00150 : 50 m roll

ACC 00151 : reinforced 50 m roll



ACC 00205

6 self-sealing fittings for condensate removal.

Table of true flow rate for SI 3200

The head losses defined In this table are calculated With a 6 mm int. Flexible pipe work	Vertical discharge head	Total tubing length			
		5 m	10 m	20 m	30 m
		SI 3200 (in l/h)	SI 3200 (in l/h)	SI 3200 (in l/h)	SI 3200 (in l/h)
SUCTION HEIGHT 0m	1 m	19,0	17,5	15,5	13,5
	2 m	17,5	16,0	14,0	12,0
	3 m	16,0	14,0	12,0	10,0
	4 m	14,0	12,0	10,0	8,5
	5 m	11,5	10,0	8,5	7,0
	6 m		8,0	7,0	6,0
SUCTION HEIGHT 1m	1 m	16,5	15,5	13,5	12,0
	2 m	14,5	13,5	11,5	11,0
	3 m	12,5	11,5	10,5	10,0
	4 m	10,0	9,0	8,5	8,0
	5 m		7,5	6,5	5,5
	6 m		5,0	4,0	3,0
SUCTION HEIGHT 2m	1 m	13,0	12,5	12,0	11,0
	2 m	12,0	11,5	11,0	10,0
	3 m	11,0	10,5	10,0	9,0
	4 m		7,5	7,0	6,0
	5 m		5,5	5,0	5,0
	6 m		3,5	3,0	3,0

Different installation possibilities

