


Performance and technical characteristics		
	Mains supply 120V~ 60Hz -18 W (SI3100SIUS11) 230V~ 50/60Hz -18 W (SI3100SIUS23)	
	Max flow rate 2.6 gph (10l/h)	
	Max suction head 6.6 ft (2m)	
	Max discharge head 20 ft (6m)	
	Sound level in accordance with EN ISO 3744 (Measured at LNE lab, pump operating with water, out of application)	25.1 dBA at 3.3ft (1m)
	Sound level in application (Measured in Sauermann acoustic lab, pump operating with water)	≤ 30 dBA at 3.3 ft (1m)
	Water Levels	On=0.63" Off=0.44" Alarm=0.75" (On=16 Off=11 Alarm=19mm)
	Alarm contact Thermal protection (overheat)	NC 8 A resistive – 250V 194F (90°C)
	Safety Standards	UL/CSA certified by Intertek Canada
	RoHS directive WEEE directive	Complies Complies
	Pump dimensions	L 2.6" x W 1.7" x H 2.4" (L 66 x W 44 x H 59 mm)
	Detection unit dimensions	L 2.2" x W 1.5" x H 1.3" (L 55 x W 38 x H 36 mm)
	Weight (including box) Master Pack quantity	± 0.826 lbs (0.375 kg) 25 pieces
	Features & benefits	
<ul style="list-style-type: none"> • Small size • Low noise level • Low maintenance filter-free detection unit • Removable connector • Sliding rubber bracket for easy installation 		
Description		
Mini condensate pump specifically designed for air conditioning units with limited internal space. <ul style="list-style-type: none"> • Reciprocating piston pump which first sucks in, then evacuates the condensation water. • Consisting of a pump unit and a remote detection unit fitted with a 3 level float (on / off / alarm). • Alarm contact normally closed that automatically cuts off the air conditioning system compressor or a solenoid valve. • Thermal protection 194F (90°C) on the pump coil. • Electrical connection by plug. 		
Kit contents		
<ul style="list-style-type: none"> • Piston pump bloc 2.6 gph (10l/h) • Detection unit with float (SI2958) • Rubber mounting bracket • Power cable : 5.0 ft with 5 wires. Electrical connection by plug. Conform to UL. • Detector installation kit : blond rubber Ø 0.59"x1.38", vent pipe Ø 0.16" x 0.24" x 2.95", self-adhesive mounting rail 		

Applications

Air conditioners up to 2.8 tons
 Wall split systems
 Fan coils
 Ceiling suspended units
 Ducted units



Accessories



ACC 00105, ACC 00150

Clear tubing Ø 0.24" int.
 ACC 00105 : in 16 ft roll in plastic bag
 ACC 00150 : in 164 ft roll



ACC 00205

6 self-sealing drainage fitting for leak tight connection to the PVC drainage tube.

Table of true flow rate for SI 3100

The head losses defined in this table are calculated With a 0.24" int. Flexible pipe work	Vertical discharge head	Total tubing length			
		16.5 ft SI 3100 (in gph)	33.0 ft SI 3100 (in gph)	66 ft SI 3100 (in gph)	100 ft SI 3100 (in gph)
SUCTION HEIGHT 0 ft	3.3 ft	2.51	2.38	2.17	1.96
	6.6 ft	1.85	1.72	1.51	1.30
	10.0 ft	1.32	1.22	1.03	0.90
	13.2 ft	1.06	0.95	0.82	1.74
	16.5 ft	0.85	0.72	0.66	0.61
	20 ft		0.58	0.53	0.48
SUCTION HEIGHT 3.3 ft	3.3 ft	1.98	1.85	1.64	1.43
	6.6 ft	1.59	1.32	1.11	0.90
	10.0 ft	1.27	0.93	0.77	0.66
	13.2 ft	0.95	0.69	0.55	0.48
	16.5 ft		0.45	0.40	0.34
	20 ft		0.32	0.27	0.21
SUCTION HEIGHT 6.6 ft	3.3 ft	1.64	1.51	1.30	1.08
	6.6 ft	1.32	1.19	0.98	0.77
	10.0 ft	1.00	0.90	0.72	0.58
	13.2 ft		0.53	0.40	0.32
	16.5 ft		0.13	0.08	
	20.0 ft				

Different installation possibilities

Using 1 detection unit and 1 pump per air conditioner, here are 3 ways to install the SI2958 detection unit.

