

DATA SHEET

Si-1801/T

Centrifugal tank pump

Sauermann® part #: SI1801TNUS11 - SI1801TNUS23



The Si-1801 centrifugal tank pump is capable of evacuating condensate at 132 gph with a 23' shut off head. It tolerates charged, high temperature and acidic condensates ($\text{pH} > 2.5$) produced by gas condensing boilers.

The pH Safe neutralization cartridge, included, can neutralize up to 800 litres of acidic condensates.

Benefits



Built to resist

- Can endure acidic condensate $\text{pH} > 2.5$
- Oil and acid resistant float
- Mechanical structure resistant to shocks



High performance

- Discharges condensate up to 23'



Versatile

- Reversible pump allows mounting on either side of the installation, and the choice of which side the water exits the pump



Easy installation and maintenance

- Pump can be floor mounted, attached to a wall or hung from a ceiling
- Easily removable tank for simple maintenance and algae control



Easy electrical connection

- Plug-in power cord to facilitate installation and maintenance



Easy hydraulic connection

- Quarter turn easily removable check valve, designed to facilitate Ø int. 10 mm (3/8") hose plug in
- 4 inlet holes Ø 30 mm (1" 3/16)



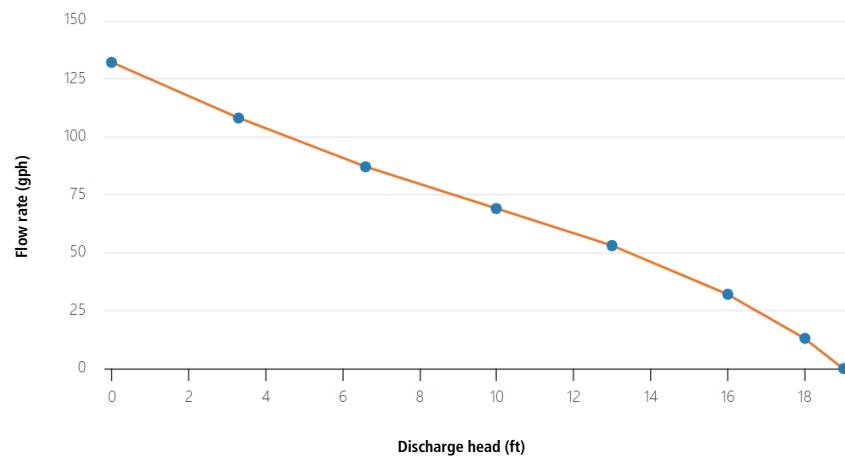
Kit content

- Centrifugal tank pump with integrated barb end check valve
- 6' power cable, safety contact wires, 1' bare ends
- 20' roll of 3/8" clear PVC tubing
- Adaptor
- 2 screws, & 2 wall anchors
- pH Safe 1 Neutralization Cartridge

Technical specifications

Max. flow rate	132 gph
Shut-off head	23 ft @ 60 Hz
Sound level according to EN ISO 3744 (Measured at 45 dBA according to EN ISO 3744 (Measured at LNE lab, pump operating w/ water, out of application)	45 dBA
Mains supply	120 V ~ 60 Hz - 85 W - 1.45 A (SI1801NUS11/T) 230 V ~ 50/60 Hz - 80 W - 0.72 A (SI1801NUS23/T)
Detection levels	On: 2 3/32" - Off: 1 21/32" - Safety: 2 1/2"
Safety switch	NC 4 A resistive - 42 V peak
Thermal protection (overheating)	248 °F (auto-reset)
Max. condensate temperature	150 °F / Short Peak 176 °F - 1 m
Max. condensate acidity	pH > 2.5 (Gas Condensing Boilers)
Operating and storage temperature	+36 to +122 °F
Operating conditions	120V - 30%: 3s ON - 7s OFF 230V - 30%: 3s ON - 7s OFF
Safety standards	UL certified by Intertek CSA certified
RoHS directive	Compliant
WEEE directive	Compliant
Pump dimensions	11" L x 5 3/16" W x 6 5/7" H
Packaging dimensions	115/8" L x 5 5/16" W x 9 7/8" H
Weight (including box)	6.2 lbs
Masterpack	4 pieces

Actual flow rates (GPH)



Applications

- Condensing boilers & furnaces
- Refrigerated display cabinets
- Air conditioning units

Accessories

Name	#Part
Clear PVC hose 3/8" (10 mm), 82' (25 m) roll	ACC00911
Replacement check valve for 3/8" i.d. tubing	ACC00801
pH Safe 1 Neutralization cartridge for inner Si-1801	PH0100SIUN23