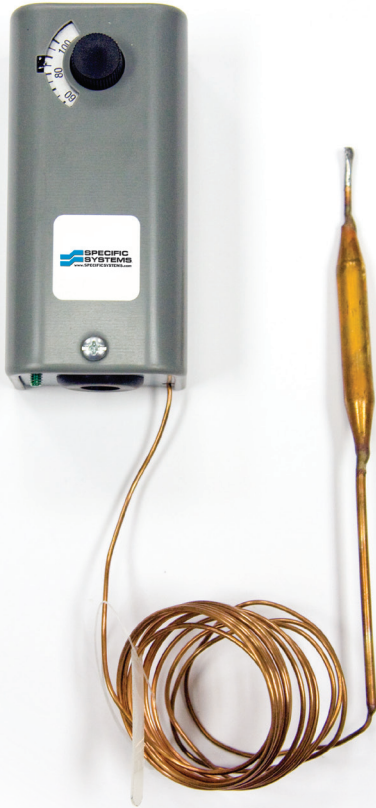


## FREEZESTAT



### PRODUCT APPLICATION

Specific Systems offers freezestats standard on on each unit. Freezestats are used as a low temperature cut out to help protect the evaporator coil from freezing. Freezestats are especially useful in low ambient or very dusty environments.

In a dusty climate, debris can build up on the evaporator coil, leading to less air flow through the fins. Decreased airflow can also be caused by improperly maintained filters, or any condition that causes decreased airflow across the coil. This lack of warm airflow lowers the temperature of the coil. In addition, a low refrigerant charge can cause refrigerant to evaporate at a lower temperature, thus lowering the coil surface temperature and increasing the likelihood of ice forming from the water condensing on the fins. Once ice forms inside the fins, the freezing process accelerates as ice creeps up the coil until, ultimately, the entire system risks shutting down.

Because each of our InPac units uses two separate refrigeration circuits, these units are equipped with two freezestats (when so ordered). This redundancy helps to increase the life and reliability of the systems.

### PRODUCT DESCRIPTION

The freezestats used by Specific Systems are single stage temperature controls that incorporate liquid-filled sensing elements. The freezestats feature constant differential throughout the entire range and fixed or adjustable differentials. Also, the freezestats are unaffected by cross-ambient conditions.

The typical freezestat uses a range of -30° to 100°F (-34° to 38°C), with a differential of 3° to 12°F (1.7° to 6.7°C).

### OTHER AVAILABLE OPTIONS

- High / Low Temperature Alarms
- Paper Filtration System
- Spin Filter
- Dirty Filter Alarm
- Firestat
- Roll Filter
- Crankcase Heater

### Electrical Specifications

Wide Range – Adjustable

Motor Ratings VAC	120	208	240
AC Full Load A	16.0	9.2	8.0
AC Locked Rotor A	96.0	55.2	48.0
Non-Inductive A	22A, 120 to 177 VAC		
Pilot Duty	125 VA, 24 to 600 VAC		



**Figure 1** – Two freezestats installed on an InPac 8120 Unit. The dual freezestats are required since each InPac unit uses two refrigeration circuits. The box in the upper left is a pressure monitor, used as part of the circuit to maintain positive pressure in the climate-controlled area.