

## Vacuum Pump Remote Monitoring & Control System



- ◆ Easy to use— send/receive text messages from your cell phone
- ◆ On-demand, instantaneous vacuum & temperature measurements
- ◆ Designed for the smaller sugarbush
- ◆ Complete system—includes controller and all sensors
- ◆ Easy to install
- ◆ Supports communications from multiple users
- ◆ Optional PowerToggle controls up to 3/4 Hp pumps

### REMOTE MONITORING

Receive status messages on your cell phone with ...

- Current vacuum
- Current temperature
- Pump status (on / off)

### REMOTE CONTROL

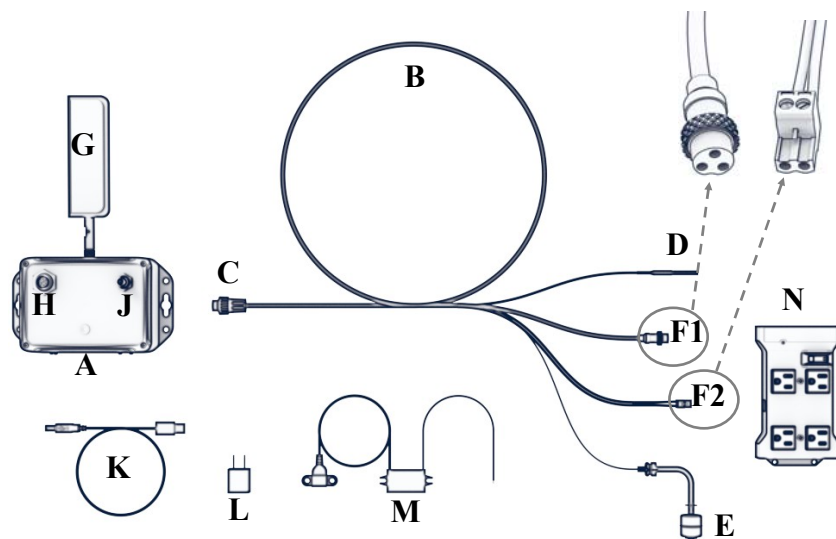
Send easy-to-use text commands to ...

- Start pump
- Stop pump
- Engage Temp Auto-control

### REAL-TIME ALERTS

Receive text messages alerting you to ...

- Loss of vacuum
- Sap collection tank full



- ◆ SapCheck Controller (A)
- ◆ Sensor Cable (B) — Wire assembly consisting of Male Sensor Connector Plug (C) with temperature sensor (D), tank float switch (E) and either
  - ◇ Remote Control Interface plug for 24 vdc Guzzler pump (F1) or
  - ◇ PowerToggle interface plug (F2)

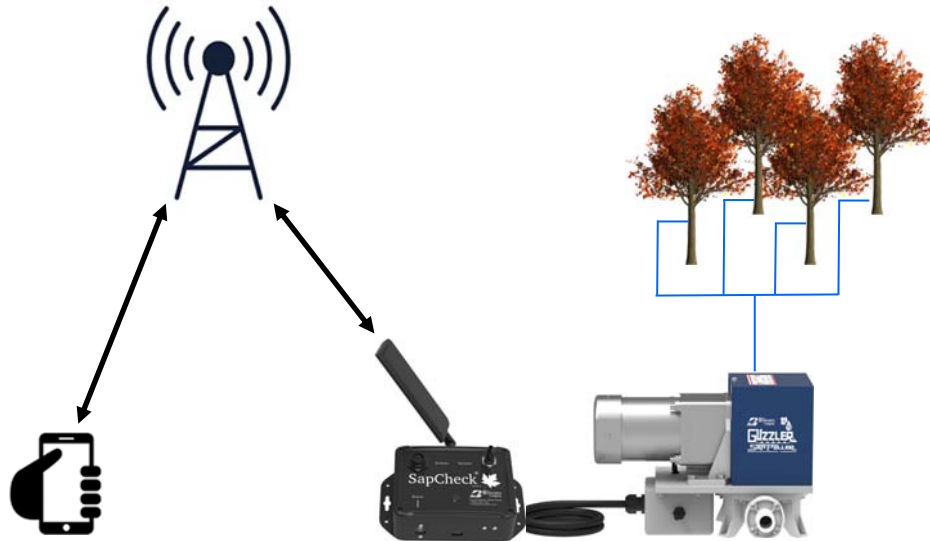
- ◆ Antenna (G)
- ◆ Sensor Cable Connector-Female (H)
- ◆ Vacuum Sensor Line Connection—1/4" nipple (J)
- ◆ Input Power Cord (K)
- ◆ 120 vac Power Brick (L)
- ◆ 24 vdc Power Adapter (M)
- ◆ PowerToggle (N)

### Specifications

<b>Input Voltage</b>	120 VAC, 12 or 24 VDC
<b>Maximum Load</b>	3 Amps
<b>Power Consumption</b>	Can run off 5 watt USB charger
<b>Temperature Sensor</b>	Probe Diameter: 1/4 in Wire Diameter: 1/8 in Wire Length: 3 ft
<b>Tank Float Switch</b>	Float switch thru-hole diameter: 7/16 in Maximum tank wall thickness: 3/8 in Connecting wire length: 12 ft Connection wire diameter: 3/8 in
<b>Controller Box</b>	Dimensions: 7-1/2 in x 4-1/2 in x 2 in Weight: 0.5 lb
	Environmental: Not water resistant; not ventilated; must be located in a dry, ventilated enclosure. Operating temp range: 20°F—100°F.



## Application Schematic



## Product Nomenclature Guide

Bosworth Product Type	
Option	Code
Monitoring System	MS

Style (Family)	
Option	Code
SapCheck	SCK

Power/Function	
Option	Code
120 vac; Monitoring	01
120 vac; Monitoring & Control	02
24 vdc; Monitoring	03
24 vdc; Monitoring & Control	04

**MS - SCK 01 - 1 4 5 - 1 - U 2**

Sensors			
Option	Code		
	Sensor 1	Sensor 2	Sensor 3
None			
Vacuum & Pressure (-14.5—30 psi)	1		
Vacuum only			
Pressure only			
Temperature		4	
Float Switch—Right Angle			5
Float Switch—Straight/Short			6
Float Switch—Straight/Long			7

Antenna	
Option	Code
Dipole Swivel	1

Country (for wireless)	
Option	Code
USA	U
CANADA	C

Support Plan* (for communications)	
Option	Code
No Support Plan (Dealer sale only)	0
1 month activation; 1,500 msgs/mth	1
2 months activation; 1,500 msgs/mth	2
3 months activation; 1,500 msgs/mth	3
4 months activation; 1,500 msgs/mth	4
5 months activation; 1,500 msgs/mth	5
6 months activation; 1,500 msgs/mth	6



\*Additional support plan terms available on request