

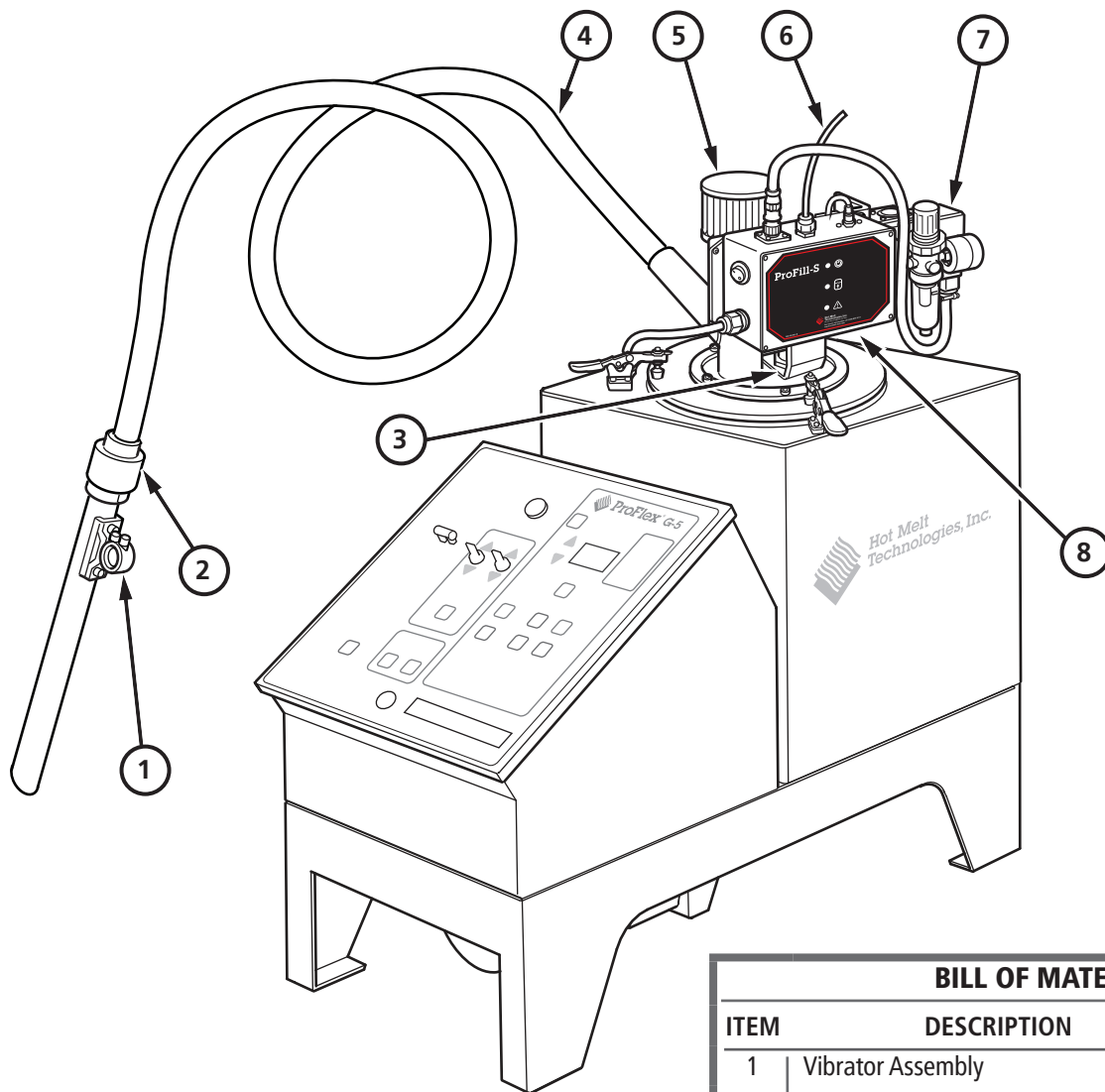


ProFill-S AutoFill with Sensor

AUTOFILL-S-

HMT's ProFill-S AutoFill system utilizes a capacitive sensor on the tank lid to detect the presence of adhesive. If adhesive is not detected, the ProFill-S automatically fills the melt tank to the appropriate level.

- A full melt tank provides a steady, uninterrupted flow of hot melt.
- A full tank takes advantage of HMT's Melt-On-Demand design.
- A full tank reduces the potential for adhesive degradation and the formation of char...
- And, most importantly, it eliminates "I forgot to fill the tank" downtime.



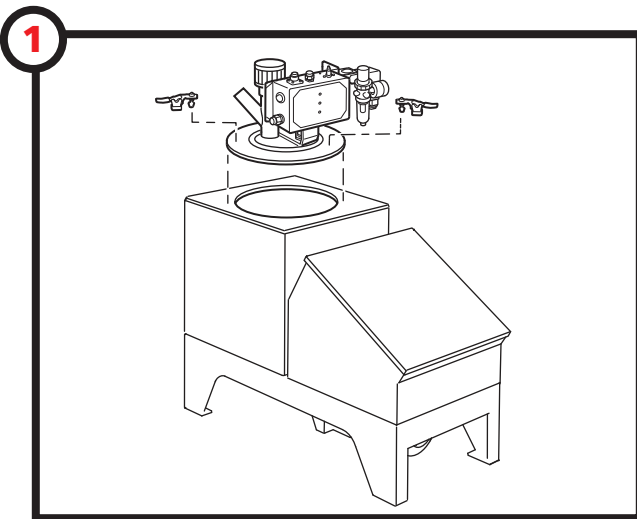
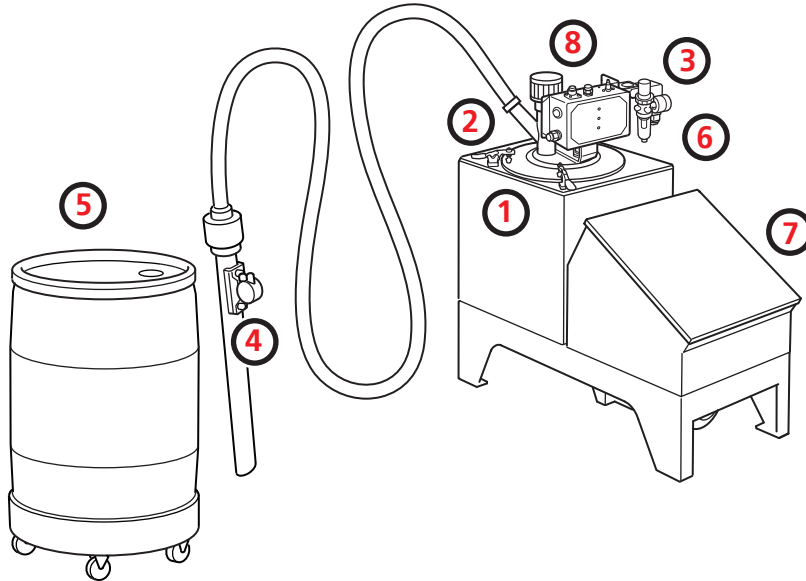
See page 3 for shop air requirements

BILL OF MATERIALS			
ITEM	DESCRIPTION	PART NO	QTY
1	Vibrator Assembly	910-176	1
2	Vacuum Assembly	910-177	1
3	ProFill Sensor	100-310	1
4	Hose, 10'	100-302	1
5	Filter	100-307	1
6	ProFill Fault Detection Cable (Optional)	910-087	1
7	ProFill Air Control Assembly	910-178	1
8	ProFill Control Box Assembly	910-184	1

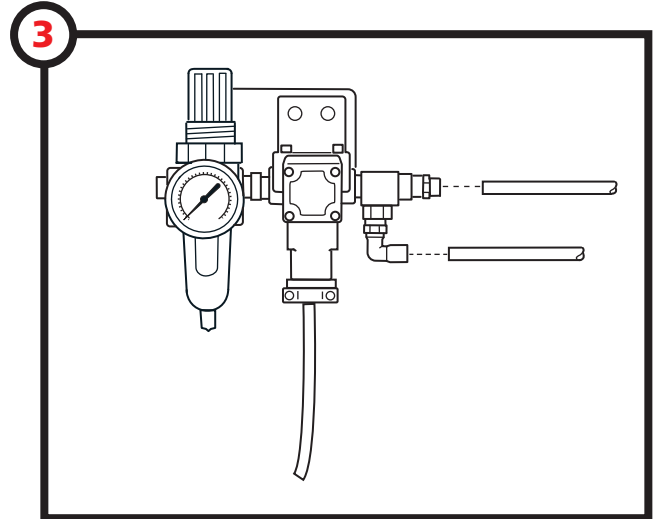




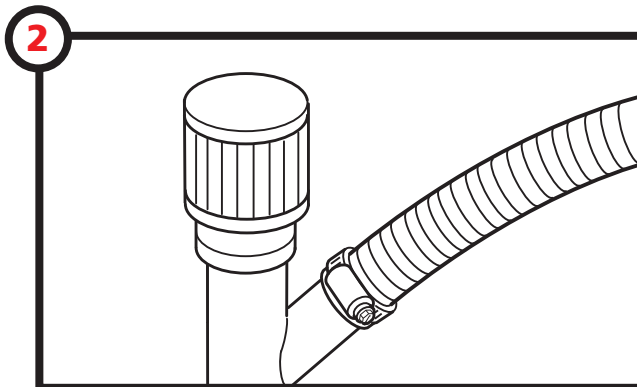
ProFill-S AutoFill with Sensor



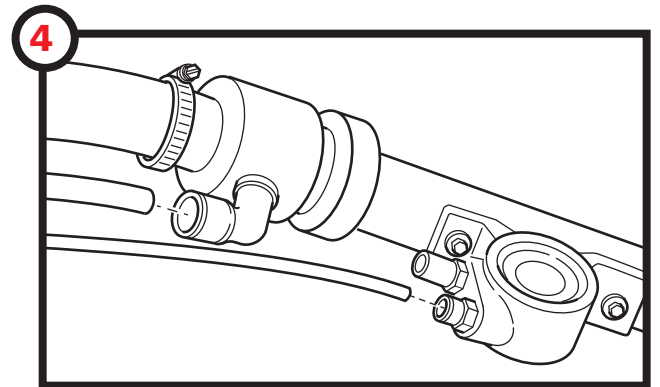
1 Place the ProFill-S lid assembly on top of the hot melt adhesive tank. Lock the lid in place using the toggle clamps (two provided).



3 Connect the airlines for the vacuum wand assembly to the ProFill-S air control assembly.

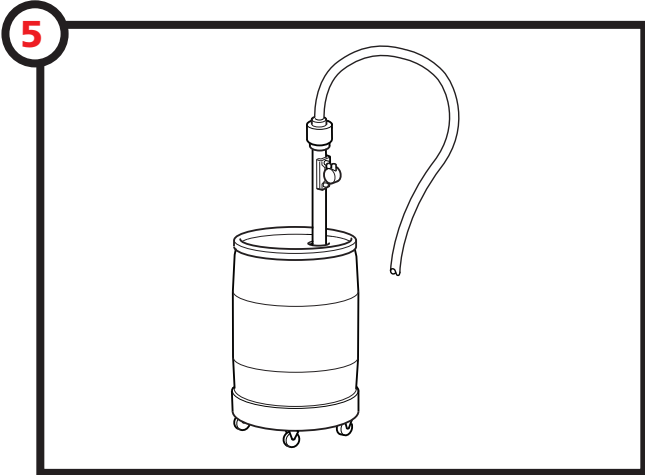


2 Connect the flexible vacuum hose to the inlet on the tank lid assembly.

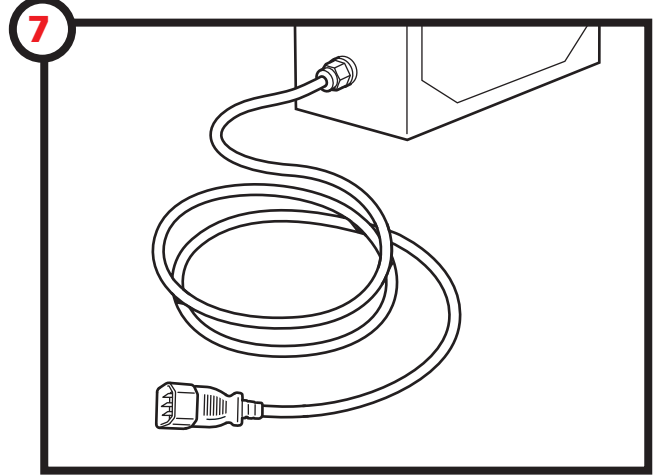


4 Attach the flexible vacuum hose to the vacuum assembly and connect the airlines to the wand assembly.

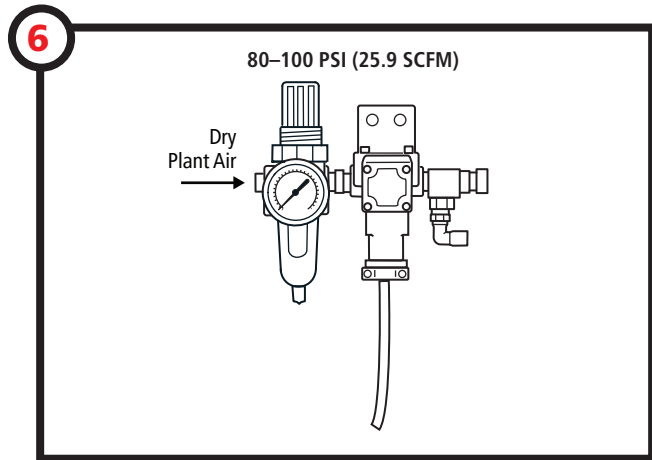
ProFill-S AutoFill with Sensor



Insert the wand assembly into an auxiliary adhesive storage container. For best performance, do not attach the wand to the container as this can dampen vibrations from the wand assembly.



Plug the control box power cable in to the wall (120VAC or 220VAC single phase) or into the adhesive supply unit using the auxiliary power output cable (922-218 for 120VAC or XP-922-218 for 220VAC).



Connect dry plant air to the regulator (6) and adjust to 80–100 psi. Use 1/4" pipe or 3/8" hose for runs up to 25' (7.6m) long. For runs up to 50' (15.2m), use 3/8" pipe or 1/2" hose and for runs over 50' (15.2m), use 1/2" pipe or larger.

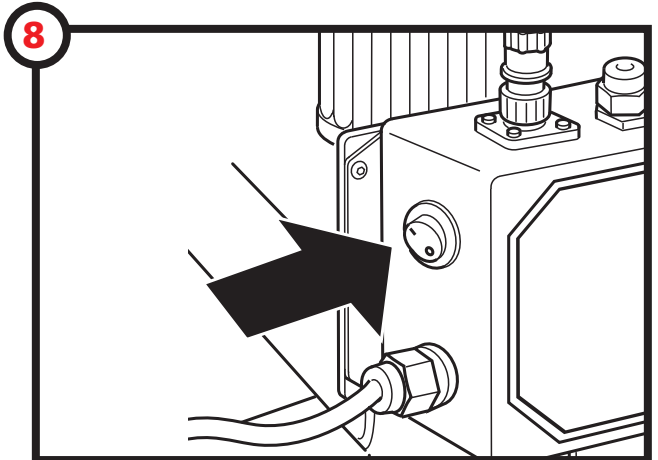
Sensitivity Adjustment Screw

Adjusts the sensitivity of the sensor mounted on the tank lid. Rotating the knob clockwise reduces the sensitivity (decreases the distance at which adhesive trips the sensor). Rotating the knob counter-clockwise increases the sensitivity (increases the distance at which adhesive trips the sensor).

Rotating the knob too much in either direction can hinder device functionality.

If the sensitivity is set too low, the ProFill-S may overflow.

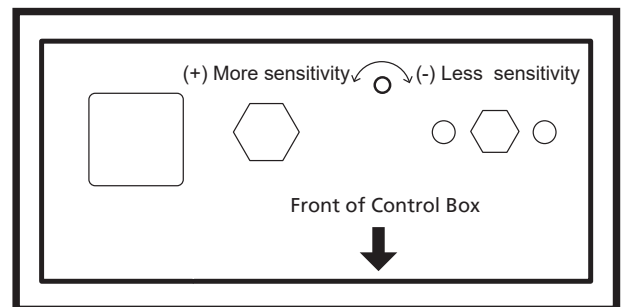
If the sensitivity is set too high, the ProFill-S may not fill the tank.



Turn the ProFill-S "ON" and the tank will begin to fill if needed.

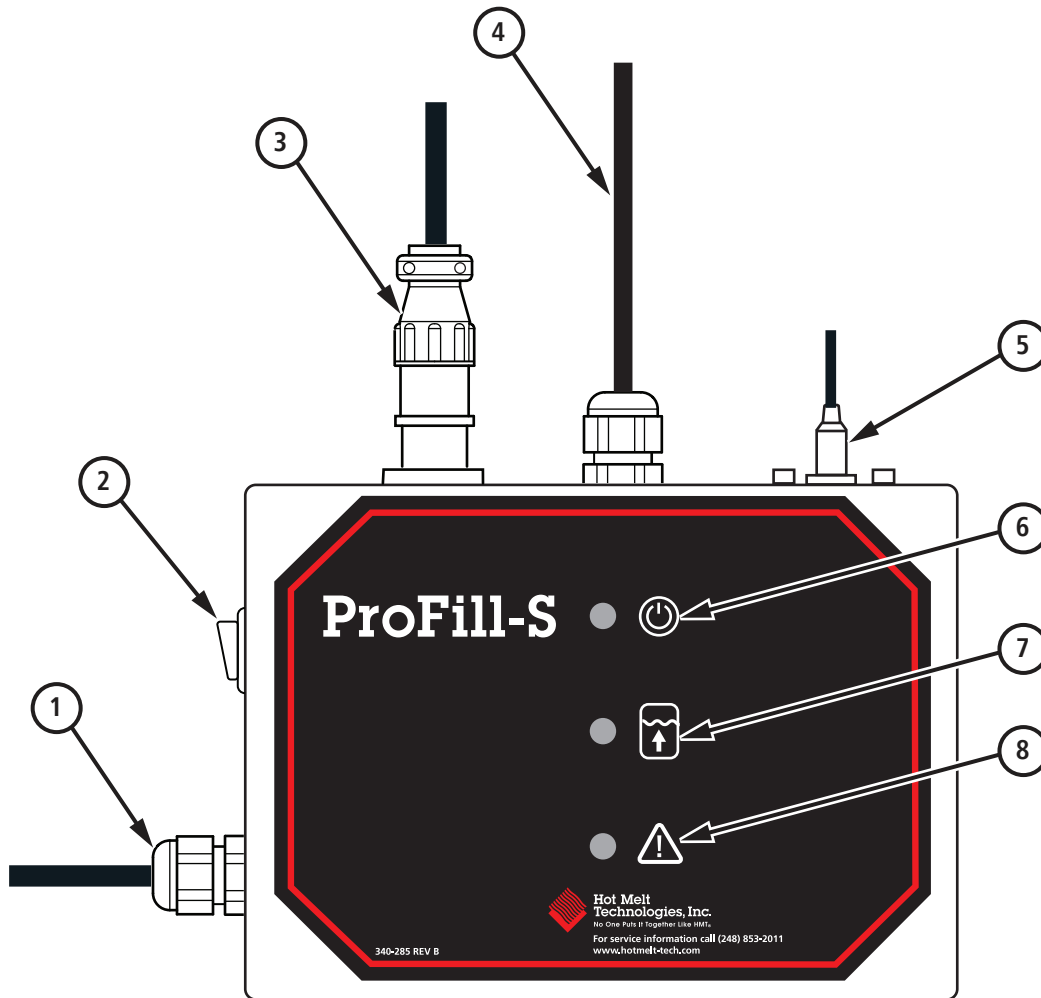
NOTE:

The sensitivity of the sensor is factory calibrated and should not require adjustment, but if adjustment is needed, follow the adjustment directions.





ProFill-S AutoFill with Sensor



- ① **Power Cable**
(Wall power or auxiliary power cable from hot melt unit)
- ② **ON/OFF switch**
- ③ **Output to solenoid for vacuum and vibrator**
- ④ **Fault Output Connector (optional)**
The fault output is a contact closure signal that closes when a fault condition is met. Output rated for 125 VAC (0.5A) or 24 VDC (1.0A). Maximum switching voltages are 125 VAC or 60 VDC. See age 5.
- ⑤ **Sensor Connector**
- ⑥ **Power**
- ⑦ **Filling State**
(LED on if filling)
- ⑧ **Attention Light**
Informs operator when fault is present



ProFill-S AutoFill with Sensor

WARNING! Disconnect power to the control box before opening!

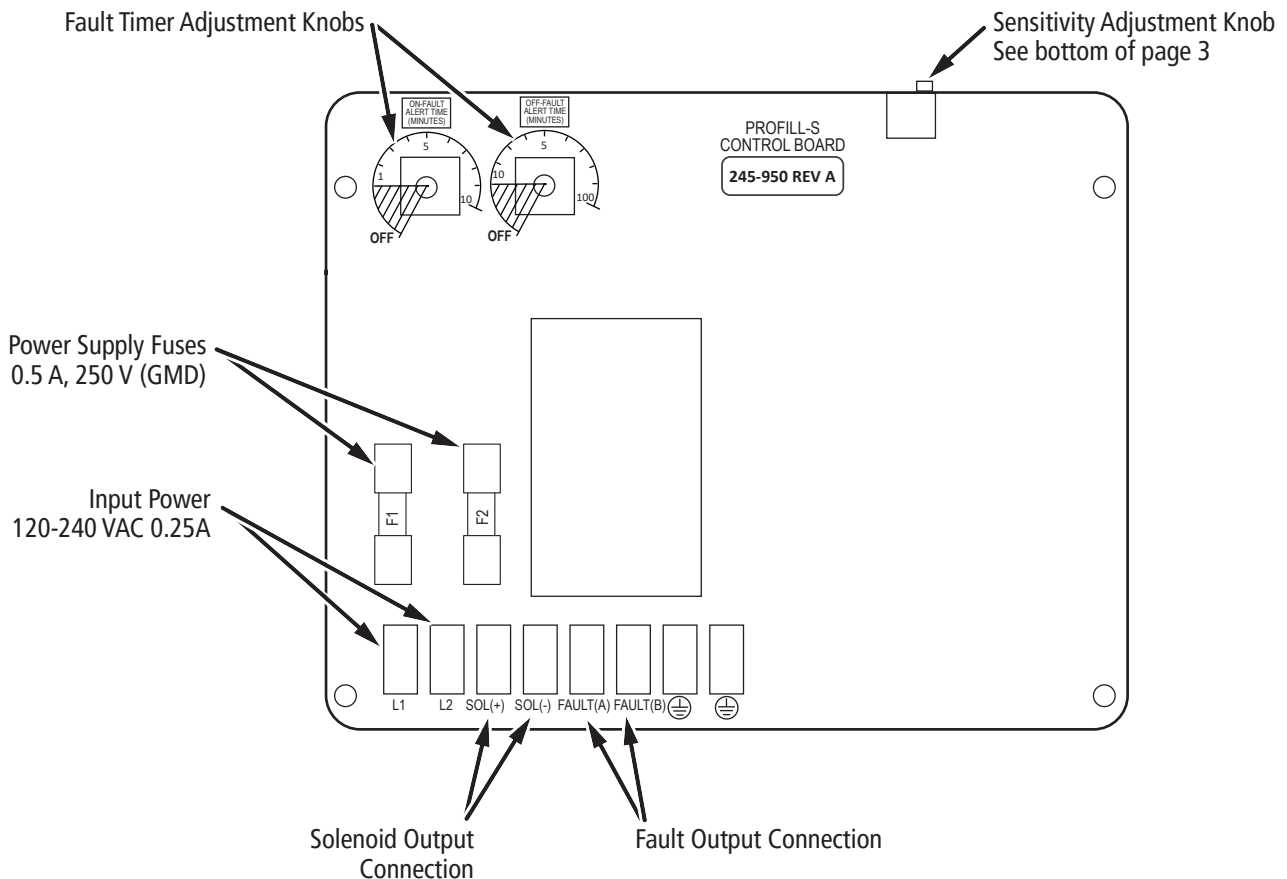
Fault Timer Adjustment Knobs

ON-Fault Alert

An ON-Fault indicates that the ProFill-S has been in 'Fill' mode (vacuum ON) for an extended period. This fault could be caused by an empty adhesive storage tank, an obstruction in the wand or vacuum hose, or an air pressure issue. The ON-Fault Alert Time can be turned OFF or adjusted from 1–10 minutes using the potentiometer knob shown below. If an ON-Fault Alert occurs, the fault light will illuminate, and the fault output contact closure will close.

OFF-Fault Alert

An OFF-Fault indicates that the ProFill-S has not been in 'Fill' mode (vacuum OFF) for an extended period. This fault could be caused by a production stoppage or a ProFill sensor issue. The OFF-Fault Alert Time can be turned OFF or adjusted from 10–100 minutes using the potentiometer knob shown below. If an OFF-Fault Alert occurs, the fault light will illuminate, and the fault output contact closure will close.



FUSE CHART			
ITEM	DESCRIPTION	REPLACE WITH	PART NO
F1/F2	Power Supply	.5 A, 250 VAC (GMD)	214-501