

**Safety Alert:****DO NOT RUN WITH EMPTY OR UNDER-FILLED HOPPER****ALL Power Labs Technical Bulletin: #TB-795-00007****Release Date: April 2015****SUBJECT: Empty or underfilled hoppers pose an increased risk of explosions inside the hopper****Models:**

PP20, PC20, PP10

Symptom:

Explosions capable of damaging some systems and components can occur within the hopper. In the worst cases, operators or other people nearby may be hurt or injured.

Cause:

When feedstock in the hopper falls below the minimum specified level, smaller feedstock volume results in proportionately larger gas volume, and therefore the potential of a more energetic and damaging explosion. This reduced feedstock mass also reduces isolation of the hopper from the reactor, which allows increased upward migration of both flammable producer gas and the heat energy capable of igniting that gas.

Action:

Always operate the Power Pallet or Power Cube with specified minimum amount of feedstock in the hopper - i.e. well above the lower edge of the hopper view port. Note that repeated operation with feedstock level falling below the viewport will also cause a darkening opacity of the viewport. Always refill the hopper as soon as feedstock level is visible in viewport.

**NO EMPTY HOPPER**

Sticker is available from APL: part # 440-00021

The latest *Operation Manual* and *Technician's Handbook* for your mode lare available online at www.allpowerlabs.com/support

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