

about 12 volt vs. 120 volt Diesel burners..

We were one of the "Test Centers" for Beckett on the 12vDC design..

We make them seriously reliable.. every day, and have the most reliable heaters in the industry.

The down-side of 120 volt heaters..

you have to feed that Belt-Drive Generator with about 3 of your engine horsepower..

..that's 3 HP away from better Cleaning performance, AKA.. WorkSpeed.

..and if you add fuel cost to the equation, some eyebrows would raise..

10-20% of your fuel cost is NOT going to productive pumpFlow, AKA.. Profitability.

..and is wasted fuel costs.

inversely a 12vDC burner runs efficiently, off your battery, as your engine's charging system feeds the battery with much less effort.

Also.. Belt Drive Generators last only 3 to 5 years, costing \$500-800 to replace, PLUS the downtime.

AND, if that generator is running a reclaim system, expect the generator failure every 12 to 18 months, due the the ExtraHeavy load of starting a sump pump motor every minute or so, on top of running at full-tilt. That can be a net cost of \$2000 to \$5000 every 5 years.

The 12vDC systems ONLY eat HV ignitor because of wimpy batteries, and wimpy wiring.

Use a Sealed Lead Acid ("SLA") battery, and enjoy 3 to 5 times the battery-life with additional reliability from NOT breathing the fumes, which cause those bad connections on your battery.

Next.. The Use of a pressure switch to turn on your heater is a mistake in 2 ways.. "FLOW" is what should turn on the heater.. NOT just pressure, as unloaders' failure could allow heat to stay on, causing more expensive downtime. And the contacts of the pressure switch, are NOT rated for the "jolt" required to start the HV every time it turns on.

Also.. wire size is critical to the stress of electrical devices.. starve 'em for Voltage, and they draw more current, which overloads them, and the contacts which feed them.. Use 10 gauge wire to feed a heater which draws 15 to 18 amps. And.. Use 12 gauge wire to feed the high Voltage ignitor !

We have successfully built Reliable 12vDC heaters, for 28 years, with 70 amp rated relays.. where the ignitors last 5 to 15 years.

Reliability means reduced downtime.

Pinching pennies is NOT "Long-Term-Low-Cost",

So, if you do choose 12 volts, you can run ALL your motor HP to "cleaning performance".

(I explain all this in my "BulletProofing" class.)

We get 5 to 15 years out of 12 volt HV ignitors very nicely, and we RARELY loose a solenoid or relay.

We have 12vDC burners running strong, as old as 25 years in the field.

If you want to upgrade your 12v system to our level of reliability, CALL US ! 619-448-8111