toatally confused
Posted by grkrjk - 23 Jan 2013 04:56

Been running the 115 on 8 all day. First time since we owned it we went higher than 6. But it is record cold. Bixchex says heat level four heat target 8. why would that be different?

Shouldn't heat level be 8 also? Just trying to understand all these setting better. Thanks for your input .

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Re: toatally confused
Posted by blume98 - 25 Jan 2013 21:17

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check feed wheel ,see if it is raised

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Re: toatally confused
Posted by grkrjk - 26 Jan 2013 00:58

THANKS blume

since i posted 7 1/2 hrs ago. this is what happened.

hubby went + on feed. (I am not sure where it was) right now knob settings are fan -1 1/2 and feed + 2 1/2 OR PRETTY close, (hubby has ended up sick and laying down) I can't take this apart to check to see if it is lifted but if he is feeling better tom. I will try to get him to do that.

we have made no adjustments to the bix tables. It dumped at 10:16 this am we just had a dump. and I checked the tables for into just to be able to give it to you. (we have no wind at this time)

TC is 117

TC 25% FAN IS AT 20

TC 100% FAN IS AT 130

FUEL DATA B IS AS FOLLOWS.

fan

1 90 FEED ON ALL IS AT 100 AND ASH ON ALL IS 9

2 86

3 82 we have not touched any of these settings. however, they are different than they were

4 79 at 3 am because i wrote them down then at that time fan on 1 was 136 2. 132 3. 128

5 76 4. 123 5. 118 6. 114 7. 110 8. 70

6 73

7 70

8 70

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Re: toatally confused

Posted by Corny - 26 Jan 2013 01:26

Your numbers look good for pellets operating at about heat level 6. That's 10 hours between dumps, and you would have used about a bag of pellets since this morning's dump.

The only exception, perhaps, is your TC reading. It's looking a bit low for heat level 6, although if you have a nice flame that reaches to the top of the burn plates, I wouldn't worry. Is the fuel level in your pot still holding near the top of the lower burn pot ring? That would be a good sign.

Rona and Blume gave good advice as usual.

Here's more info on the wind issue that Rona mentioned. How do you terminate your pipe? With an elbow to help keep the wind out? Or do you use the standard Bixby cap? It isn't great.

forum.iburncorn.com/wiki/index.php/BixbyFAQ#External_Factors

And here's info on the "raised" feedwheel issue that Blume mentioned.

forum.iburncorn.com/wiki/index.php/BixbyFAQ#Feeder_Wheel

Pellet dust accumulation under the feedwheel can make your stove unstable, and some pellets are terrible for it. Longer pellets (over, say, an inch) are worst. With one brand of pellets (Curran), I had to clean under the feedwheel with every hopper load.

To chck if the feedwheel is raised, remove the 2 outer screws that hold down the cover for the feedwheel gasket.

forum.iburncorn.com/wiki/index.php/BixbyFAQ#Feeder_Wheel_Gasket

That will expose the feedwheel. If you can slip a piece of paper under the feedwheel, then it would be a good idea to clean under it. Make sure that your hub doesn't loosen the large nut at the centre of the feedwheel. Instead, he should remove the 4 "spring loaded" screws.

forum.iburncorn.com/wiki/index.php/Bixby...Feeder_Wheel_Removal

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Re: toatally confused
Posted by grkrjk - 26 Jan 2013 03:26

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heat level is on 8 not 6 so does that mean the tc is way low for thatlevel? and just to make sure i am understanding tc is themocouple right? no wind, but my flame is down again. pipeing? we have it going straight out the wall and no not useing the cap from bixby we have a elbow on it . We originally, had pipeing going up thru ceiling and roof. with that bixby cap on top. the thing rusted and i was't going to invest that much money again, so we capped off that hole, and made one out the side. we do however have the bixby pipeing for that.

also we are useing lignetics. we had tried several types, and this is the best one we have found in the area. they are less than a inch in length. and we have been sifting them per blume's advice. however still do get some residue with them anyway. tom. i will get hubby to do the wheel.

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Re: toatally confused
Posted by blume98 - 26 Jan 2013 04:01

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make sure 3 in pipe not bad behind elbow, i would take it off and add 1 1/2 ft to 3 in and let it blow, we don't use end caps, when wind blows it blows on both equaly

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Re: toatally confused
Posted by Corny - 26 Jan 2013 04:46

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Grk, yup, the TC is the thermocouple that measures nominal flue temperature. Its reading can vary from stove to stove under the same conditions, so the absolute value of the reading doesn't matter much. The stove cares more about changes in reading. That said, a reading of 117 at heat level 8 is exceptionally low, and it suggests that you don't have a strong flame. Here is what a decent flame looks like on heat

level 4: (video courtesy of Jawquin).

At heat level 8, the flame should be roaring to the top of the baffle plates, and you would not want to hold your hand in front of the top louvers for more than a few seconds.

Other than a lean burn situation, the most likely cause of an unstable flame is a leak or improper configuration arising from one of the following; and that explains our questions about venting and feeder wheel.

* raised feeder wheel (as explained by Blume98) in the following thread forum.iburncorn.com/viewtopic.php?p=78146 ;

* improperly positioned top paddle perhaps obstructed by a piece of hard clinker;

* blocked vent holes in the burn pot or the top paddle;

* leakage of exhaust into the input air due to an improper termination cap or to improper sealing of the inner vent pipe;

* gasket leakage (e.g., under the burn plate and at the door);

* incorrect moisture content of the corn or inadequate quality of the wood pellet forum.iburncorn.com/viewtopic.php?p=112116
;

* incorrect placement of the convection tube cover plates as discovered by Allynn (forum.iburncorn.com/viewtopic.php?p=123910
);

* Leaking rope gasket under the burn plates. At the first sign of difficulty in tuning a stove, Millrtym13

seats this rope gasket in a fresh 1/8" bead of high temperature silicone as explained at forum.iburncorn.com/viewtopic.php?t=9530
;

* Bellows are leaking at the ash dump arm, as explained by Julius Geezer www.iburncorn.com/new-forum/20-bixby-ene...ing-off-affect-flame

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Re: toatally confused
Posted by grkrjk - 26 Jan 2013 05:28

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wow, i have a lot of study to do. lol we just cleaned this the other day. and cleaned the holes. got new gasket under the burn plate and did use that high temp gookey stuff on that. right now flame looks good i am tired and going to bed. will check out the rest of this stuff tom. thanks to you both for input. and hope all this also helps others with the bixby
God Bless.

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