



Norbert Senf <norbert.senf@gmail.com>

[MHAtch] Stove Challenge Testing Setup (mockup), MHA testing team finalized [2 Attachments]

1 message

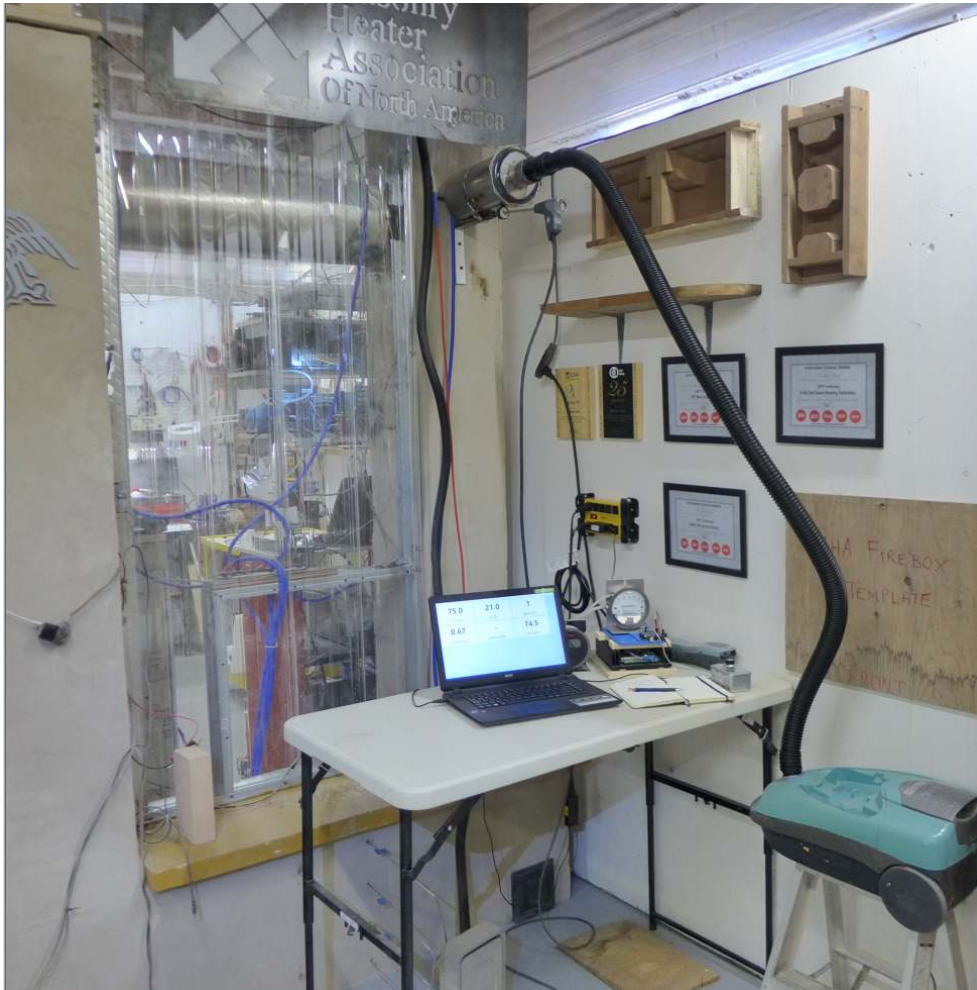
Norbert Senf norbert.senf@gmail.com [MHAtch] <MHAtch@yahoogroups.com> Tue, Aug 28, 2018 at 2:19 PM

Hi All:

I spoke with Boris yesterday, and he will join our testing team in DC this November. Jim Schalles will replace Eric Moshier who regrets that he has to miss the event due to his heavy work schedule this fall. The team is as follows, all of who have confirmed:

Norbert Senf
Mark Seymour
Ron Pihl
Jim Schalles
Boris Kukolj

I have just finished doing a mockup of our what our equipment setup will be, see below:



Description:

The Condar is pipe-clamped to an L bracket, which will need to be attached to the single wall connector pipes with 2 TEK screws.

The connector pipes will also need 3 holes drilled:

- a 5/8" hole for the Condar nozzle
- 3/8" hole for pressure tap for the Condar control (red hose in the photo)
- 3/8" hole for Testo flue gas probe

The Condar is powered by the Kenmore vac, which runs around 650 w. max when the Condar filters are fully loaded. Normal load is around 350 - 400w.

Shown is a 7' Rigid vacuum hose (2.5" dia, Home Depot), but we will get the available 20' hose, to allow the vacs to extend to outside the tent.

The table shown is 2' x 4', but the equipment would fit onto a 2' x 3' table.

This compact 20"x30" rolling cart from Costco would be ideal if space is tight:

<https://www.costco.com/Seville-Classics-Professional-Chef's-Kitchen-Cart-With-Solid-Bamboo-Top.product.100121066.html>

We are planning for 3 Condar setups shown above, with operators.



Detail:

The laptop is displaying and recording the gas values from the Testo 330-2 at the far right. Between them is the new Condor control, which automates the vacuum adjustment. The digital magnehelic controls the Kenmore vacuum to provide constant 0.4 cfm sample flow into the Condor, and the analog one is there just to give an easy confirmation, since the digital one jumps around constantly and is hard to read.

Not shown is the digital scale for weighing the filters. Prior testing has shown best results when the filters are weighed immediately. In theory, we should have the PM and efficiency numbers within 30 minutes of the end of the test. With the technician freed up from having to operate the Condor, we should also be able to add an extra filter change, for example to separate out the startup emissions.

--
Norbert Senf
Masonry Stove Builders
25 Brouse Road, RR 5
Shawville Québec J0X 2Y0
819.647.5092
www.heatkit.com

[View attachments on the web](#)

Posted by: Norbert Senf <norbert.senf@gmail.com>

[Reply via web post](#) • [Reply to sender](#) • [Reply to group](#) • [Start a New Topic](#) • [Messages in this topic \(1\)](#)

Check out the automatic photo album with [2 photo\(s\)](#) from this topic.



Have you tried the highest rated email app?

With 4.5 stars in iTunes, the Yahoo Mail app is the highest rated email app on the market. What are you waiting for? Now you can access all your inboxes (Gmail, Outlook, AOL and more) in one place. Never delete an email again with 1000GB of free cloud storage.

[VISIT YOUR GROUP](#)

YAHOO! GROUPS

[Privacy](#) • [Unsubscribe](#) • [Terms of Use](#)
SPONSORED LINKS

2 attachments



P1120944.JPG
2869K



P1120951.JPG
985K