

Stinson 108 Met-Co-Aire Auxiliary Fuel Tank  
<http://www.westin553.net>  
Larry Westin - 07/25/04  
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Homepage visitor David Bogart e-mailed me asking about an auxiliary fuel tank for the Stinson 108. I'd heard of a tank but didn't have any information.

David Bogart did some further research contacting the president of Met-Co-Aire, Ron Van Vliet, and received the following information about the auxiliary fuel tank:

Dear Dave,

First my apologies for taking such a long time to get back to you. As I mentioned this is a modification we have not done in over 30 years and the only person still alive that knows anything about it is my 84 year old aunt who was with the company when this was being done. She has been gone on vacation for the past couple of weeks and I haven't been able to get hold of her to get some answers to your questions - but she is now back and I have (I hope) the info on the tank system.

Specifically:

- 1) The tank holds 13 gallons.
- 2) The tank is located in the "hat rack"(i.e. the top) section of the baggage compartment.
- 3) The filler port is located on the top of the tank and the tank is filled via a filler neck port passing through the top of the fuselage.
- 4) An auxiliary fuel pump is required.
- 5) If you built the tank system according to the plans I am ASSUMING (which may be totally wrong) that the FAA would approve it. However, it is vitally important that you talk with them before you would attempt such a project.
- 6) And as I said before, the best we could do for you is to sell you the drawings - we have virtually no one left (other than my aged aunt) who even knows anything about the tank. But we have had people build them over the years and I assume the FAA have approved them as I have not heard back from them.

Let me know if you have any other questions.

Best Regards

Ron Van Vliet  
President  
1-800-814-2697

In an earlier e-mail Ron Van Vliet indicated two drawings are required as such:

“I am afraid this is a modification we have not done in over 30 years. We do still have the drawings available (we charge \$100.00 each for 4108 and 5108 if you are interested in building the modification yourself). I am afraid there is no one still with the company who is familiar with the project so you would basically be on your own. Let me know if you have an interest.”

In conclusion Met-Co-Aire hasn't performed the modification in more than 30 years.

Met-Co-Aire is willing to sell the needed drawings, numbers 4108 and 5108, and the cost is \$100 each.

You can contact Met-Co-Aire via telephone at 1-800-814-2697, or via e-mail at <inf@metcoaire.com>

As Ron Van Vliet mentions - be certain to contact your local FAA Flight Standards District Office and discuss your plans to build the auxiliary tank BEFORE beginning construction!!!

My thanks to David Bogart at <dbogart@wcnnet.net> for providing this information.

If anyone has additional information about the Stinson 108's modifications I would appreciate hearing from you. Both my postal and e-Mail addresses are listed below.

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