

Gas Fridge Start Up Expectations on a Hot Day

On Monday 14th November 2011 a local family bought one of our Consul 231L, two door gas fridges.

He rang the next day telling us the fridge was not working correctly, and said that the freezer was getting down to minus 18° C, but the fridge was not going down below 11° C.

As we had the same model fridge on the shop floor it was decided to put it on test and fully log the start up and running behaviour. As per the instructions the temp control was turned up to its coldest setting. The fridge was empty and the door was not opened during this test.

The fridge was connected to a gas supply at 9.45am on Tuesday 15th. Ambient 26.7° C



This next picture shows the temperature sensing probe inside the fridge, approximately in the middle



At 10.45am, the fridge inside temp was 25.2° C Ambient was still 26.7° C

At 11.45 am, the fridge inside temp was 22.3° C Ambient 27.2° C

At 12.45 pm, the fridge inside temp was 20.2° C Ambient 28.7° C

At 1.45 pm, the fridge inside temp was 15.8° C Ambient 29.2° C

At 2.45 pm, the fridge inside temp was 11.9° C Ambient 29.7° C

At 3.45 pm, the fridge inside temp was 8.6° C Ambient 30.0° C

At 4.45 pm, the fridge inside temp was 6.3° C Ambient 30.0° C

At 5.45 pm, the fridge inside temp was 4.7° C Ambient 30.0° C

At 6.45 pm, the fridge inside temp was 3.2° C Ambient 29.4° C

At 7pm I left for home, and I noticed it was down to 3° C. I came in to work at 8.00am next morning and the fridge inside temp was *Minus* 4.3° C

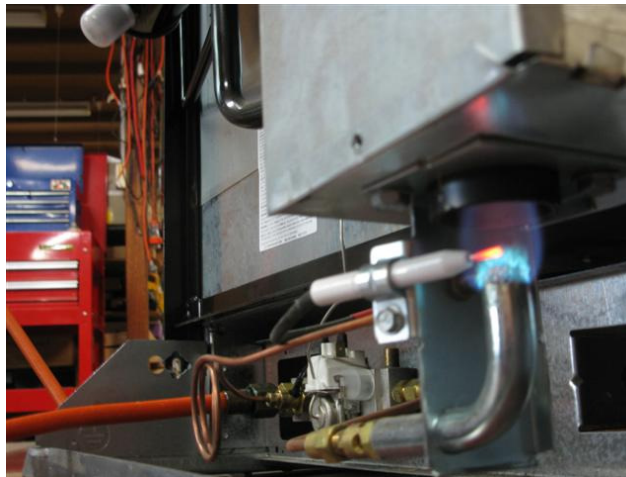
After this, I then tested the customer's fridge and the results were very similar especially the final reading of Minus 4.3° C.



Conclusion.

Don't be too hasty when starting up your new gas fridge. It will get there. It's best to let it get down to temperature before loading it up with food and drinks.

The flame should burn "clean" with no Orange colour visible it should look like this:



RAINBOW POWER COMPANY LTD



A.B.N. 74 003 323 420 CEC Accredited Solar Installers
Electrical Contractor 198555C (NSW), 69172 (Qld)

PO Box 20240 NIMBIN NSW 2480 AUSTRALIA
1 Alternative Way, Nimbin

Tel: 02 6689 1430 Fax: 02 6689 1109

International: Tel: +61 2 6689 1088 Fax: +61 2 6689 1109

sales@rpc.com.au www.rpc.com.au