

Gas and Pressure Blower

New Gas Blower for boiler technology – quiet and efficient

How do we boil water? Put the billy on the fire and let it heat. Easy, nothing can go wrong. My pot might cool but I can heat it again...my fire might smoke a bit but there is plenty of fuel and who will notice my fumes...

Is this where we will be in the future?
Is this where we need to be?

Burner technology has moved leaps and bounds from naturally aspirated burners, “fires”, to innovative heating systems which control the fire and heat losses so that the maximum can be gained from every dollar spent without harming the environment.

Australians are importing combi and “condensing systems” from Europe. But again

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Is this where we need to be?

ebm-papst have developed burner and control technologies to work with Australian manufactures to drive technology forward and provide new burner systems allowing households not to waste their money using too much gas or pollute the environment with noxious gases.

Modern boiler technology is known for their good energy utilisation and compact dimensions. (Why have a big boiler in the garden when the space can be used for the water tank!) The key to this is the gas blower and its control for example the RG148 (2006 developed - left) and the new NRG137 (2007 developed - right) as shown.

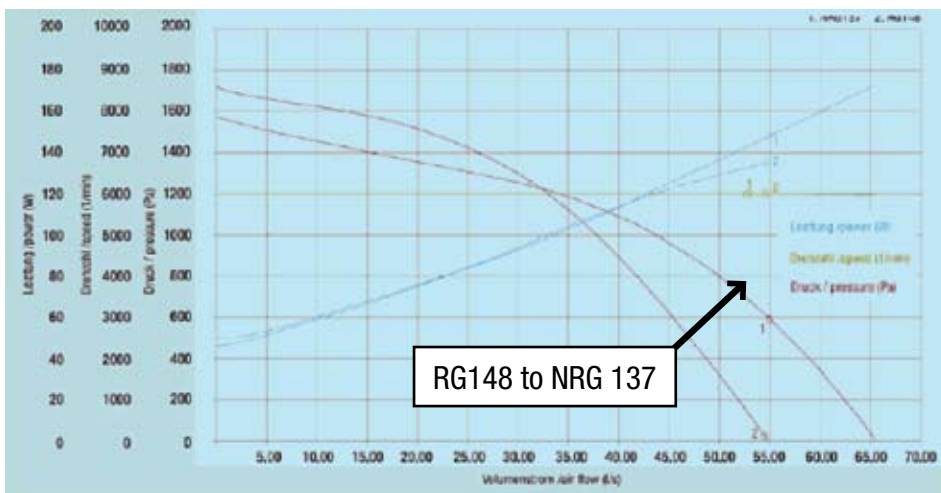


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contact: sales@ebmpapst.com.au

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Teaming with Argus Vision controls from Europe, ebm-papst offer gas blower systems with Lambda control that senses the exhaust fumes and controls the gas to air ratio allowing optimisation of the “fire” at all times.

The new NRG138 combines aerodynamic developments with mechanical customisation such as the integrated gas venturi (shown) developing a new system which provides 20% performance improvements (shown). Instead of building the mixer from several different parts and retrofitting a fan, a manufacturer can now get one simplified solution



The aerodynamically optimised fan can be used for significantly higher heating capacities and also requires higher drive requirements. To achieve this, we overhauled the motor. During this development we developed the microprocessor control electronics. The new system has substantially improved power development as well as reduced motor noise. As a result the system runs faster at range over a range of worldwide voltages: 120VAC to 230VAC.

Let's move on; let's take that fire from our back garden and use a new system that gives us value for our dollar and doesn't poison the climate.

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