

Rayburn 440KB, 460KB, 480KB, 499KB - Balanced-flue models

Rayburn 480KB Later Model

A new generation of Rayburn balanced flue, oil-fired cookers were introduced in 1996, joining the rest of the 400 series open-flue products, that had been in production since 1994. The 400series incorporated a number of important new features, including having two cast-iron ovens, integral programmer, 'slam catch' doors, and the use of twin, pressure jet, Nu-Way oil burners to give fast recovery rates, as it was intended that these models should be used as intermittent, on/off appliances. The cooker was also built to an increased height, so as to match with standard kitchen worktops at 910mm. Both burners were independently controlled, one providing the heat for the cooking operations, the other for the boiler requirements serving domestic hot-water & heating.



Twin, polished insulating lids covered a single cast-iron hot-plate, and since the lower oven was also of cast iron construction, this could be used for lower temperature cooking and simmering when the cooker was up to full temperature. The thermostat controls and programmer were located at the front of the cooker, behind a fourth door.

A choice of three boiler outputs were offered, viz. 17.6, 23.4, 29.3kW (60,000 -100,000 Btu/hr), using a fabricated mild steel boiler. The boiler was suitable for connection to a wide range of fully-pumped, modern central heating systems, including under-floor heating, sealed & un-vented systems.

The standard balanced flue assembly was suitable for a wall thickness up to 430mm thick, with an optional extension kit available, to increase up to 880mm.



Balanced flue terminal

Oven venting was achieved by a small electric fan and venturi arrangement, direct to outside atmosphere, via an independent copper tube. Control of the fan is by a manual switch.

During the autumn of 1997 the range was significantly revised and re-styled. Additional controls were fitted, including a new type programmer with independent control of each channel. Henceforth, the oil line connection was moved to the right-hand side. As a new format of burner was used. the new models were suffixed MX, to differentiate against previous types.

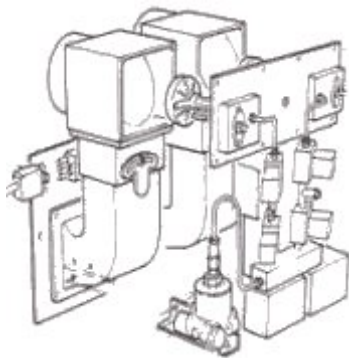


Original style programmer & controls

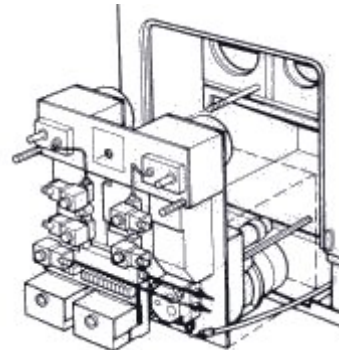


Autumn 1997 onwards

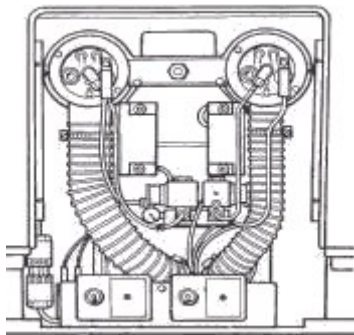
February 2001 saw the introduction of an alternative Ecoflam oil-burner, but with no alteration to the product's features, benefits or dimensions. In this format, production continues.



1996 - Autumn 1997. NuWay Burner



1997 - NuWay Burner



2001 - Ecoflam Burner

During September 2004, a reduced boiler output model was introduced (440KB).