



**BULLETIN NO. 102606D**

**DATE: October 26, 2006**

**PRODUCT: Dunkirk Q90-Series**

**FROM: Technical Service Department**

**TITLE: Burner Change**

**MODELS EFFECTED**

<b>Q90-50</b>	<b>Q90-75</b>
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**EFFECTIVE IMMEDIATELY**

**DESCRIPTION OF CHANGE**

Q90-50 and Q90-75 model boilers will now utilize the same burner as the Q90-100 model resulting in a one burner fits all application (50/75/100).

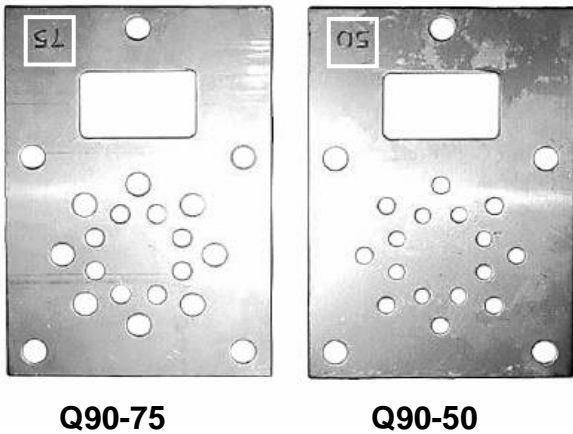
**REASON FOR CHANGE**

This change is the result of an effort to provide customers with a more robust burner (both in material and construction). The new burner uses 441 and 18 SR stainless steel. The alloy properties of this material allow the burner to withstand higher temperatures. In addition, the new burner features a one piece tube construction with a welded end cap and improved, butt weld seam. The old burner was a two piece design with a crimped end cap and lapped spot weld seam.

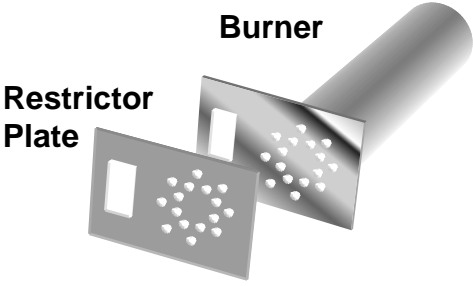
**ADDITIONAL INFORMATION**

This change was achieved by incorporating a restrictor plate on the 50 and 75 model boilers to accommodate differences in firing rates (see fig. 1).

**(MORE)**



**NOTE: Plates are appropriately marked**



**Figure 1 – Restrictor Plates**

**END RESULT:**

Now all Q90-50 thru 100 model boilers will utilize the same burner replacement kit, part no. 550001462. This kit includes the Q90-50 thru 100 burner, the 50 and 75 restrictor plates, a replacement hot surface igniter and necessary hardware. The kit has been designed to replace all previous burner configurations on all Q90-50 thru 100 boilers. Any current burner kits you may have in stock can still be used as replacements.

**HIGH ALTITUDE KIT** – *above 5000 feet*

Due to the new style burner, the Q90-75 when used with propane gas requires a gas orifice change at altitudes exceeding 5000 feet and a manifold pressure adjustment. That kit number is 55001603. The Q90-50 and 100 require only a manifold pressure adjustment.

If you have any questions pertaining to the information contained in this bulletin, please feel free to contact our Technical Service Department at 1-800-325-5479.