

<b>DIRECT FIRED WATER HEATERS</b>	<b>DORCHESTER DR-FC EVO CONDENSING MODULATING</b>	
<b>Part L REQUIREMENT</b>	<b>THERMAL EFFICIENCY (Gross) %</b>	
	New Buildings	Existing Buildings
	The minimum thermal efficiencies for domestic hot water systems (gross calorific value)	The minimum thermal efficiencies for domestic hot water systems (gross calorific value)
Minimum Thermal Efficiency <b>Natural Gas</b>	73	73
Minimum Thermal Efficiency <b>LPG Propane</b>	74	74

The above figures have been extracted from sections 8.4 of the Non-Domestic Heating, Cooling and Ventilation Compliance Guide (N-DHCVCG) to Approved Documents L2A and L2B.

<b>WATER HEATER MODEL</b>	<b>THERMAL EFFICIENCIES (Gross) %</b>	
	Natural Gas	LPG Propane
DR-FC EVO 25	96	96
DR-FC EVO 30	98	98
DR-FC EVO 45	96	96
DR-FC EVO 60	95	95
DR-FC EVO 80	97	97
DR-FC EVO 95	95	95
DR-FC EVO 120	95	95

All of the DR-FC EVO direct fired water heaters would be able to be used in new and existing buildings.

However, all systems for both new and existing buildings should be installed with the minimum controls package detailed in the N-DHCVCG. See overleaf for basic information on control packages.

Signed

*Bob Walsh*

Technical Director, Hamworthy Heating Ltd.

**Building Regulations (Amendment)  
2010  
Part L Compliance  
Seasonal Efficiency**



Heating *at work.*

<b>NEW &amp; EXISTING BUILDINGS : Recommended minimum controls package for domestic hot water systems.</b>	
<b>Type of DHW system</b>	<b>Controls package</b>
<b>Gas and oil-fired direct-fired systems</b>	a. Automatic thermostat control to shut off the burner/primary heat supply when the desired temperature of the hot water has been reached. b. time control
<b>Gas and oil-fired indirect systems</b>	a. Automatic thermostat control to shut off the burner/primary heat supply when the desired temperature of the hot water has been reached b. high limit thermostat to shut off primary flow if system temperature is too high c. time control

<b>NEW &amp; EXISTING BUILDINGS : Heating Efficiency Credits (HECs) for measures applicable to domestic hot water systems</b>		
<b>System type</b>	<b>Measure</b>	<b>Heating Efficiency Credits %</b>
<b>All system types</b>	De-centralisation	2, but not applicable to systems in new buildings
<b>Direct-fired</b>	Integral combustion circuit shut-off device	1
	Fully automatic ignition controls	0.5
<b>All system types</b>	Correct size of unit confirmed using manufacturers technical help line and sizing software	2

The above tables are extracted from the Non-Domestic Heating, Cooling and Ventilation Compliance Guide for initial information only. The full text of the appropriate section should be read to ensure these tables are used correctly, particularly the Heating Efficiency Credits table which contains Comments/Definitions on each item. The Guide can be downloaded from [www.planningportal.gov.uk/uploads/br/non-domestic\\_building\\_compliance\\_guide\\_2010.pdf](http://www.planningportal.gov.uk/uploads/br/non-domestic_building_compliance_guide_2010.pdf)