

Technical Bulletin

Industry Information: Plume Management Kits

Third Party universal plume management kits with Type C appliances

We would remind you that according to BS 5440-1 2008 in section 10.1.1, General: The appliance and chimney configuration must be installed in accordance with the appliance manufacturer's instructions.

Note 1 from this section in the standard goes on to state that except for Type C₆ appliances all components of the flue system will be supplied by the appliance manufacturer.

The following information (Fig. 1) is shown on the front cover of all our current Gas appliance manuals, and states the appliance type; C₁₃, C₃₃ and C₅₃ in this case.

These appliances are for use with: Natural Gas or L.P.G. (Cat. II 2H 3P type C13, C33 & C53)		
	Model	GC Number
Natural Gas	28CDi Compact ^{ErP}	47-406-77
	32CDi Compact ^{ErP}	47-406-79
	36CDi Compact ^{ErP}	47-406-81
LPG	28CDi Compact ^{ErP}	47-406-78
	32CDi Compact ^{ErP}	47-406-80
	36CDi Compact ^{ErP}	47-406-82

Fig. 1) Worcester boiler installation manual extract

The information shown in Fig. 2 is contained within BS 5440-1 2008 and shows the Classification of Type C gas appliances used in the UK according to the method of evacuation of products of combustion (Types) from PD CEN/TR 1749:2005 C1.

Letter classification and appliance type	Classification and 1st digit	Classification and second digit		
		Natural draught	Fan downstream of heat exchanger	Fan upstream of heat exchanger
C - Room sealed	C1 - Horizontal balanced flue/inlet air ducts to outside air	C11 *	C12 *	C13 *
	C2 - Inlet and outlet ducts connect to common duct system for multi appliance connections (SE duct or U duct)	C21 *	C22	C23
	C3 - Vertical balanced flue/inlet air ducts to outside air	C31	C32 *	C33 *
	C4 - Inlet and outlet appliance connection ducts connected to a U shaped duct for multi-appliance system	C41	C42	C43
	C5 - Non balanced flue/inlet air ducted system	C51	C52	C53
	C6 - Appliance sold without flue/air inlet ducts	C61	C62	C63
	C7 - Vertical flue to outside air with air supply ducts in loft. Draught diverter in loft above air inlet	C71	C72 *	C73 *
	C8 - Non balanced system with air supply from outside and flue into a common duct system	C81	C82	C83
Note	Common types of flue in the UK are shown with an asterisk			

Fig. 2) Classification of Type C Appliances

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The standard also states in section 10.2.1 **Terminals** that plume management kits can only be used when provided or specified by the appliance manufacturer. They must be installed to comply with the guidance provided within the manufacturer's instructions in accordance with the information provided within BS 5440-1 2008.

Care must be taken when installing flues and plume management kits on Type C appliances that the guidance provided by the manufacturer is followed.

Unless specifically stated then only flues and plume management kits provided by the appliance manufacturer can be used.

You must not install an appliance that does not comply with standards.

With the exception of C₆ appliances; only flue components supplied by the manufacturer can be used on Type C appliances.

The flue system must be installed in accordance with the manufacturer's instructions.

The flue and air inlet duct including Plume management kit must not be installed or modified in any manner that is not approved by the appliance manufacturer.