PURPOSE-MADE VENTILATORS FOR SUPPLYING COMBUSTION AIR

TYPES

These ventilators are manufactured from a variety of materials such as ceramics and UV stable thermo-plastics. They are preferably supplied as boxed sets complete with inner and outer grilles with connecting duct-work for bridging cavity walls and/or making the connection between the two ventilator openings through solid walls. They may incorporate internal baffles to reduce sound transmission and draughts created by sudden changes in air pressure, and weather cowls on the external grille that help also to reduce the effects of draughts and rain ingress.

APPROVALS

Ventilators should comply with Building Regulations & BSI standards. This is normally achieved through BBA certification or a test report from an appropriately accredited laboratory to ensure they meet the applicable aspects of the relevant approved Building Regulations. The equivalent area for complex ventilators should always be specified by the manufacturer, determined using either *BS EN 13141-1:2004* or a dynamic test method developed by Advantica Technology & referenced in *BS 5440:Part 2:2000* or for simple ventilators be covered under the *BS 493:1995* standard. The equivalent area must be given in an unambiguous, easily read manner. Only this equivalent area should be used when specifying the required sizes of ventilators.

PURPOSE-MADE VENTILATORS FOR SUPPLYING COMBUSTION AIR

PRODUCT NAME	APPROVAL STATUS	EQUIVALENT AREA MM²/CM²	PRODUCT IMAGE
DR 21 Ltd 1 Church mews, Churchill Way, Macclesfield SK11	DR21 Draught Free Air Vents	cdgattie@gmail.com www.dr-21.com	
DR21 Vent	*Equivalent area determined by BRE and stated in their test report ref.No. P106187-1000 dated 24th October 2016*	3400/34.00	
Rytons Building Products Ltd Design House, Kettering Business Park Kettering, Northants NN15 6NL	RYTONS BUILDING PRODUCTS INNOVATION IN VENTILATION	01536 511874 admin@rytons.com www.vents.co.uk	
AC3LP – Rytons Mini LookRyt Aircore	*Equivalent Area Value given by BRE test report ref. 299723 dated 15-October 2014*	3168/31.68	
AC7TUBE – Rytons 125mm Baffled AirCore® Tube (358mm L)	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	15500/155	
AC7LP – Rytons Baffled LookRyt® AirCore®	*Equivalent Area Values determined by Rytons & witnessed & confirmed by BRE ref. CV5192 dated 21 March 2012*	7900/79.0	
AC7LPCWL – Rytons Cowled Baffled LookRyt® AirCore®	*Equivalent Area Values determined by Rytons & witnessed & confirmed by BRE ref. CV5192 dated 21 March 2012*	8100/81.0	
AC10TUBE – Rytons 125mm AirCore® Tube (358mm L)	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	23900/239	
AC10LP – Rytons LookRyt® AirCore®	*Equivalent Area Values determined by Rytons & witnessed & confirmed by BRE ref. CV5192 dated 21 March 2012*	10400/104.0	
AC10LPCWL – Rytons Cowled LookRyt® AirCore®	*Equivalent Area Values determined by Rytons & witnessed & confirmed by BRE ref. CV5192 dated 21 March 2012*	11100/111.0	
ACH75LP – Rytons High Rise LookRyt® AirCore®	*Equivalent Area Values determined by Rytons & witnessed & confirmed by BRE ref. CV5192 dated 21 March 2012*	6800/68.0	
AAC125LP – Rytons Super Acoustic LookRyt® AirCore® (44 dB $D_{n,e,w}$)	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	7400/74	

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PRODUCT NAME	APPROVAL STATUS	EQUIVALENT AREA MM²/CM²	PRODUCT IMAGE
Rytons Building Products Ltd Design House, Kettering Business Park Kettering, Northants NN15 6NL	RYTONS BUILDING PRODUCTS INNOVATION IN VENTILATION	01536 511874 admin@rytons.com www.vents.co.uk	
AAC125LPCWL - Rytons Cowled Super Acoustic LookRyt® AirCore® (45 dB $D_{n,e,w}$)	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	7200/72	
AAH125LP - Rytons High Rise Super Acoustic LookRyt® AirCore® (44 dB $D_{n,e,w}$)	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	6600/66	
TCL8 – Rytons 9×3 Ventilation Set with Flush Louvre Ventilator	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	9400/94	
TCL8CWL – Rytons 9×3 Cowled Ventilation Set with Flush Louvre Ventilator	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	9100/91	
TAL4000 – Rytons 9×3 Acoustic AirLiner®	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	17500/175	
TAL4SET - Rytons 9x3 Acoustic AirLiner® Set with Flush Louvre Ventilator (38 dB $D_{n,e,w}$)	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	5800/58	
TAL4CWL – Rytons 9x3 Cowled Acoustic AirLiner® Set with Flush Louvre Ventilator (39 dB $D_{n,e,w}$)	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	5800/58	
TCL18 – Rytons 9×6 Ventilation Set with Flush Louvre Ventilator	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	17500/175	
TCL18CWL – Rytons 9×6 Cowled Ventilation Set with Flush Louvre Ventilator	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2014*	17200/172	
TAL8000 – Rytons 9×6 Acoustic AirLiner®	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	13500/135	
TALSET – Rytons 9x6 Acoustic AirLiner® Set with Flush Louvre Ventilator (39 dB $D_{n,e,w}$)	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	6300/63	
TALCWL –Rytons 9x6 Cowled Acoustic AirLiner® Set with Flush Louvre Ventilator (42 dB $D_{n,e,w}$)	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	5500/55	
TCL20 – Rytons 9×9 Ventilation Set with Louvre Ventilator	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	26500/265	
TCL20CWL – Rytons 9×9 Cowled Ventilation Set with Louvre Ventilator	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	24000/240	
TAL9900 – Rytons 9×9 Acoustic AirLiner®	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	19100/191	

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PRODUCT NAME	APPROVAL STATUS	EQUIVALENT AREA MM²/CM²	PRODUCT IMAGE
Rytons Building Products Ltd Design House, Kettering Business Park Kettering, Northants NN15 6NL	RYTONS BUILDING PRODUCTS INNOVATION IN VENTILATION	01536 511874 admin@rytons.com www.vents.co.uk	
TAL9SET – Rytons 9×9 Acoustic AirLiner® Set with Louvre Ventilator (39 dB $D_{n,e,w}$)	*Equivalent Area Values given by BRE test memorandum ref. 283-275 dated 01-March 2013*	13100/131	
TAL9CWL – Rytons 9×9 Cowled Acoustic AirLiner® Set with Louvre Ventilator (40 dB $D_{n,e,w}$)	*Equivalent Area Values given by BRE test memorandum ref 283-275 dated 01-March 2013*	12200/122	

EQUIPMENT LISTED ON BEHALF OF COGDEM CARBON MONOXIDE ALARMS

CoGDEM
The Council of Gas Detection and Environmental Monitoring

INTRODUCTION

Carbon Monoxide (CO) is a poisonous gas with no taste, colour or smell. It is produced by the incomplete combustion of carbon based fuels (e.g. gas, oil & solid fuels like wood). Tragically each year people die because of CO poisoning - others are made ill.

Unfortunately the list of causes of these deaths includes the incorrect installation of the heater, lack of maintenance of the appliance and its chimney or to inadequate air supply for the appliance to function properly. Changes to the Building Regulations which came into effect in October 2010 mean that whenever a new or replacement fixed solid fuel or wood/biomass appliance is installed in a dwelling a carbon monoxide alarm must be fitted in the same room as the appliance.

Carbon monoxide alarms are readily available and the British Standards Institution has published a Standard (*BS EN 50291*) for electrical apparatus designed to detect carbon monoxide in domestic premises and to provide an alarm to alert the householder to its presence. In this section of the Guide HETAS list a range of these devices supplied by members of the Council of Gas Detection and Environmental Monitoring (CoGDEM), which are claimed, or certified, to be manufactured to *BS EN 50291* and which are suitable for use with solid fuel heating appliances.

Purchasers & specifiers must understand that claims recorded in the Approval Status area as "Manufacturer claims to *BS EN 50291*" is a claim of the manufacturer alone and has not been endorsed by HETAS or any Independent Certification/Approval body. Where the claim in the Approval status column quotes a BSI Kitemark, this indicates the product has been independently assessed by the BSI which is one of the UK bodies entitled to engage in third party certification and product monitoring. Purchasers & specifiers should use *BS EN 50291* as a basis for product selection. The older standard, *BS7860*, was withdrawn in 2006. CoGDEM does not recommend using "colour change" indicator cards, as these do not have an audible alarm and have very limited lifetimes.

Under Building Regulations it is mandatory to fit a CO alarm whenever a new or replacement solid fuel appliance is installed in a dwelling. The Smoke and Carbon Monoxide Alarm (England) Regulations 2015 also require all private sector landlords with solid fuel appliances to have CO alarms fitted. When choosing an alarm for this purpose or to upgrade an existing installation to current regulations please refer to *Approved Document J;* October 2010: paragraphs 2.34 to 2.36. This alarm must be a permanently installed type, rather than a portable type, be powered by a battery designed to operate for the working life of the alarm and should incorporate self-test and audible alert if the battery or sensor develop a fault.

The alarm manufacturer's installation and operating instructions must be strictly conformed to at all times. The British and European Standard (*BS EN 50292*) has been produced as a guide on the selection, installation, use and maintenance of these detectors/alarms and should be adhered to. **HETAS Technical Note 0022** gives guidance to HETAS registrants on alarm positioning.

An alarm is not a substitute for correct initial appliance installation, regular and effective chimney sweeping, proper appliance operation and maintenance by a HETAS registered business. If an alarm is activated or if fume emission from an appliance is detected follow the safety instruction on "Carbon Monoxide alarm" on page 100.

Further information on CoGDEM (The Council of Gas Detection and Environmental Monitoring) is available from:

CoGDEM, Unit 9, Knowl Piece Business Centre, Wilbury Way, Hitchin, Herts, SG4 0TY

01462 434322 Fax: **01462 434488** Helpline: **0800 1694 457**
admin@cogdem.org.uk **www.cogdem.org.uk**

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