

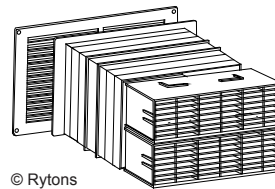
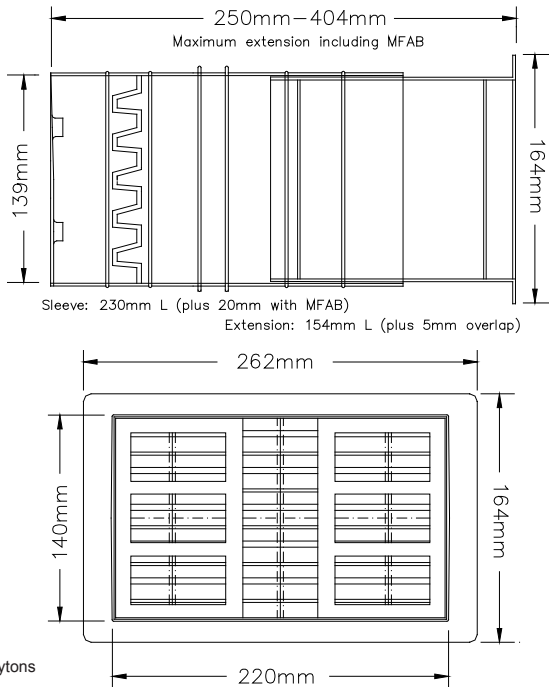
## Technical Data Sheet

# Rytons '9x6' Ventilation Set with Flush Louvre Ventilator (Light and Draught Reducing)

[www.vents.co.uk](http://www.vents.co.uk) (search code: TCL18)

May 2010

### Dimensional Drawing (Rytons TCL18000)



© Rytons

### Approvals and Testing

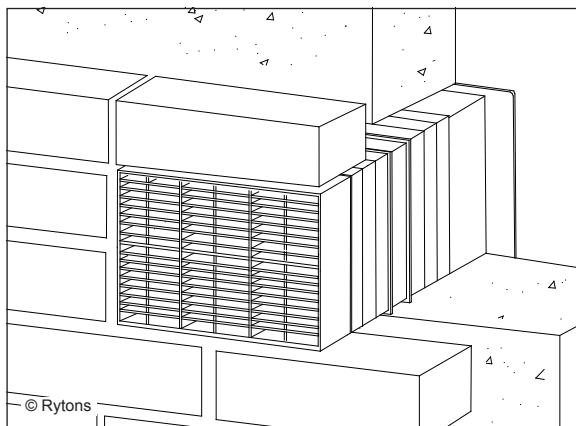


### Main Uses, Features and Benefits

- Combustion air vent for heat producing appliances.
- Room or compartment ventilator.
- Provides over 100cm<sup>2</sup> equivalent area.
- Equivalent area calculated by Advantica at 15 Pa to BS 5440-2:2000.
- HETAS approved for use with solid fuel appliances.
- Internal baffles reduce light and draughts.
- Finished with fixed open flush fitting louvre ventilator.
- Set contains Rytons Multifix<sup>®</sup> Air Brick (MFAB) x2, Rytons '9x6' AirLiner<sup>®</sup> (TCL18000) and Rytons Flush Fitting Louvre Ventilator '9x6' (LF147).
- U.V. stabilised air brick and louvre ventilator to protect against deterioration by sunlight.



### In-Situ Line Drawing



### F30 Accessories/Sundry Items for Brick/Block/Stone Walling

955Plus

Specification clauses 17, 171

**U90 General Ventilation - Domestic**

Specification clauses 30, 34, 310, 340

Product Specification Code	Equivalent Area
Rytons TCL18	10700mm <sup>2</sup> (107cm <sup>2</sup> ) (16½"²)

### Size

MFAB & TCL18000: 220mm (W) x 140mm (H).

Extends from 250mm to 404mm (L) with Rytons Multifix<sup>®</sup> Air Bricks fitted.

LF147: 264mm (L) x 166mm (H).

### Gas Appliances

Suitable for an open-flued gas appliance installed in a room or internal space with a gross rated input up to 28kW (95500 Btu/h).

### Solid Fuel Appliances

(e.g. Stoves, Range Cookers or Independent Boilers)

Closed appliance without a draught stabiliser fitted - suitable up to 24kW.

Closed appliance with a draught stabiliser fitted - suitable up to 15kW.



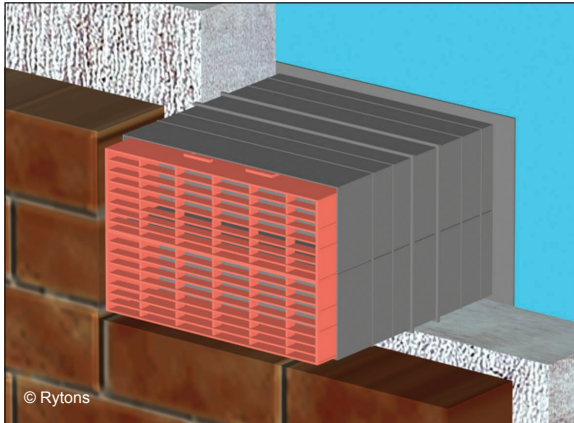
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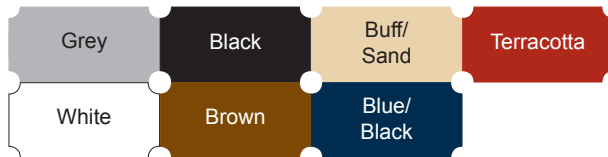
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### In-Situ Drawing



### Colour Key



### Photo Library



### Composition

MFAB: U.V. stabilised polypropylene.

TCL18000: Polypropylene. **Contains recycled plastic.**

LF147: U.V. stabilised high impact polystyrene.

### Colours

MFAB: Grey, black, buff/sand, terracotta, white, brown, blue/black.

TCL18000: Black.

LF147: White.

### Specification Paragraph

Manufacturer: Rytons Building Products Ltd

T: 01536 511874, F: 01536 310455, E: admin@rytons.com

Visit our website at [www.vents.co.uk](http://www.vents.co.uk)

Product ref:

- Rytons '9x6' Ventilation Set with Flush Louvre Ventilator Grey

(ref TCL18GR to BBA 94/3071)

- Rytons '9x6' Ventilation Set with Flush Louvre Ventilator Black

(ref TCL18BL to BBA 94/3071)

- Rytons '9x6' Ventilation Set with Flush Louvre Ventilator Buff/Sand

(ref TCL18BS to BBA 94/3071)

- Rytons '9x6' Ventilation Set with Flush Louvre Ventilator Terracotta

(ref TCL18TC to BBA 94/3071)

- Rytons '9x6' Ventilation Set with Flush Louvre Ventilator White

(ref TCL18WH to BBA 94/3071)

- Rytons '9x6' Ventilation Set with Flush Louvre Ventilator Brown

(ref TCL18DB to BBA 94/3071)

- Rytons '9x6' Ventilation Set with Flush Louvre Ventilator Blue/Black

(ref TCL18BB to BBA 94/3071)

Type: Telescopic Liner with Multifix® Air Brick and Flush Louvre Ventilator

Effective Area: 10700mm<sup>2</sup> (Advantica tested)

### Installation

No special fixing required. Build in cavity liner with fitted air bricks as work proceeds. Extend telescopic sleeve as necessary. Fasten louvre ventilator into the flange of the AirLiner®. Consideration should be given to using Rytons '9x6' Cowl (ABC6) in exposed areas.

### BBA Approval

All components BBA approved. Rytons has 73 British Board of Agrément approved products; the largest range on the market. BBA certification is third party evaluation and accreditation, and approved products are accepted by building control officers, architects, engineers and surveyors nationwide. The NHBC also accept products approved by the BBA when used as stated in the relevant BBA certificate. Rytons also has an Irish Building Regulation Statement for each of their three BBA certificates.

### HETAS Approval

HETAS is the official body recognised by the government to approve solid fuel domestic heating appliances, fuels and services. Rytons is the only ventilation manufacturer to have solid fuel appliance ventilators approved by HETAS and is the only ventilation manufacturer recommended by HETAS to their registered engineers.

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### A bit about Advantica

Advantica Technologies, previously known as British Gas Technologies and now GL Industrial Services, developed the dynamic test procedure for calculating the equivalent area of a ventilator. Advantica testing gives installers, suppliers and homeowners the assurance that the air space is **accurate** and **verifiable**.

### Extra Features and Benefits

Individually boxed sets for easy identification, handling and efficient installation.

Air brick louvres promote unrestricted air flow and reduce risk of blockage as well as keeping large insects out. Also features built-in water baffles to prevent water penetration.

External AirLiner® baffles prevent water transfer across the cavity.

Extra slim profile of the Flush Fitting Louvre gives a neat internal appearance.

Flush Fitting Louvre embossed with DO NOT BLOCK.

### UK Regulations, Standards and Guidelines

#### For heat producing appliances (including solid fuel) refer to:

The Building Regulations 2000, Approved Document J.

The Building (Scotland) Regulations 2005, Mandatory Standard 3.21.

The Building Regulations (Northern Ireland) 2000, Technical Booklet L.

British Standard BS 5440-2:2009.

#### For decorative fuel effect gas fires refer to:

British Standard BS 5871-3:2005.

### Handling Information

Box quantity: 1 set

Box size: 27cm (W) x 28cm (H) x 18cm (D).

Box weight: 1kg

## Questions

### What is the Equivalent Area with Rytons Louvre Ventilator '9x6' (LV177)?

11800mm<sup>2</sup> (118cm<sup>2</sup>) (18¼"²) per set (Advantica tested).

Suitable for an open-flued gas appliance installed in a room or internal space with a gross rated input up to 30kW (102300 Btu/h).

### What can I use to extend the AirLiner® further?

Rytons '9x6' AirLiner® Extension, refer to technical data sheet TCL96EXT.

### Is a cowl option available for exposed areas?

Yes, refer to technical data sheet TCL18CWL.

### Is an acoustic option available?

Yes, refer to technical data sheet TALSET.



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