



HVAC Design, Management & Installation Specialists

JJR Services UK Ltd

KITCHEN EXTRACT SPECIFICATION

In support of Planning Application by

MFG

For a Prets

At

**Burgess Hill Service Station
173 London Road, Burgess Hill
West Sussex, RH15 8LJ**

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EXTRACT SPECIFICATION

Note: The below specification is in line with latest regulations and Prets specification. However, some figures could change as the design progresses, the principle however will remain the same.

Design

Prets install a standard extract system to remove air from a combination of appliances, such as:-

Electric ovens
Fridges
Coffee Machines.

There is no requirement for a “Kitchen extract” system to be installed, there is no canopy, there is little to no cooking processes.

The system installed is a standard extract system, design and installed to DW154 (Not DW172, which is a “Kitchen Extract” system.). Thus the requirement for odour control reduces dramatically, if needed at all.

Given the very low odour and very low risk, odour control is rarely seen as a requirement for Prets stores. However, we have carried out a risk assessment in line with planning so to assist all and any applications.

Fan Data:-

Extract Fan:	In-Line 315mmdia .
Airflow Pressure drop:	1.0m ³ /s @ 150pa set on speed 3 of 5
Supply:	240v/1ph/50hz
Noise Output at Terminal:	48dba @ 3m
Weight:	15Kg
Dimensions:	315mm dia x 500mm
Target Noise output at Terminal:	Silencers will be Installed to meets specifications/

Makeup Air:

	To meet Building regulation Fresh air will be introduced to the Kitchen.
Supply air fan	In-line
Airflow pressure Drop	0.3m ³ /s @ 100pa
Noise Output at Terminal:	40dba @ 3m
Weight	
Dimensions:	150mm dia x 200mm
Target Noise output at Terminal:	No silencers required

Ductwork

Duct Type:	DW154 Specification
Duct Size:	315mm dia down to 100mm dia
Fire Rating:	NA

Filtration:

NA

Grease & Odour:

See RA supplied by Purified air

Noise Control:

Silencers will be installed on extract system.

Terminal:

500sq louvre Extract
300sq louvre supply