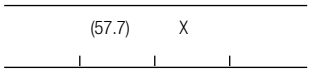
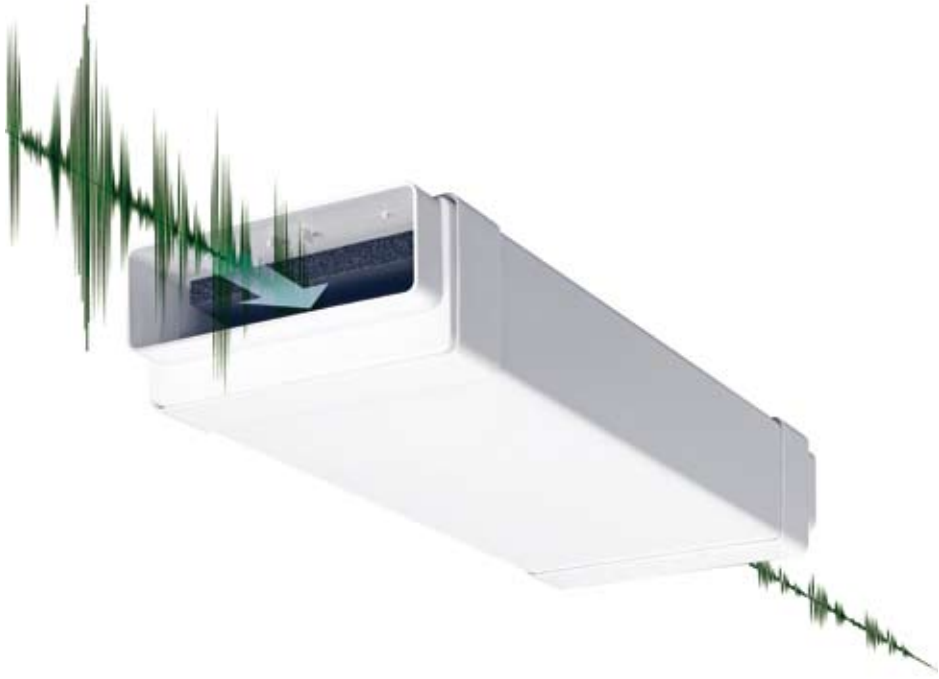
DOMUS
from Polypipe Ventilation



- Significantly reduces transmitted appliance noise and room-to-room cross-talk
- Excellent sound attenuating properties verified by the Sound Research Laboratory
- Facilitates user acceptance of continuous running of energy-efficient central ventilation systems
- Exceeds the current and proposed requirements of Approved Document F of the Building Regulations
- Low profile increases installation options when compared to traditional solutions
- Corrosion-proof, lightweight and easy to install
- European-wide protected design
- Available in three lengths

# Supertube Duct Silencer

## New Product Information Sheet

Domus Supertube Duct Silencers provide a simple and cost effective way to reduce noise from central ventilation systems. This makes Domus Supertube the first plastic rectangular duct system to include a specially designed silencer.

The unit's light weight, low profile construction provides installation and safety advantages over metal silencers. Corrosion risk is also removed eliminating the need for future replacement.

At just 97mm deep, less than half the depth of traditional solutions the silencers allow greater installation flexibility. Products can fit in almost all roof and ceiling voids and lie for example, beneath the line-of-sight on top of kitchen cupboards.

### Why are silencers required?

The drive for more efficient homes has placed greater emphasis on reducing heat loss. To achieve this, many domestic properties are now being built with central ventilation systems, connecting a central fan unit to a number of different room outlets through ducts. However, noise generated by the fan and from within rooms connected to the system travels along the duct to other inlets/outlets in quieter areas of the property which can cause occupant irritation and discomfort.

A recent study commissioned by the Department for Communities and Local Government into Ventilation and Indoor Air Quality identified that many occupants turn ventilation appliances down or even off due to excessive noise. This has resulted in proposed changes being made to Approved Document F of the Building Regulations for 2010. The consultation document states that 'the [ventilation] system should not produce excessive noise that could discourage the occupants from using it'. The use of an appropriate duct silencer is essential.

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## The Solution

Domus Supertube 125 (204 x 60mm) is the most popular domestic duct profile used in central ventilation systems. It is recommended by many centralised ventilation appliance specifiers because of its light weight, ease of installation, low profile and precise joints.

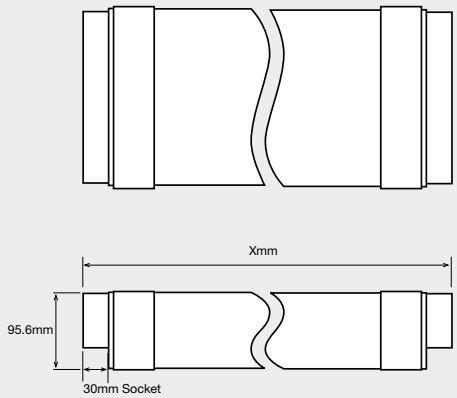
The new Supertube Silencers offer excellent sound absorption over a range of audible frequencies and are available in three different lengths depending on the performance required and the physical space available. To limit appliance noise it is recommended that silencers are installed room-side of the ventilation appliance or to limit room-to-room cross-talk installed near each inlet/outlet.

## Regulations

Designed to exceed the current and proposed requirements of Approved Document F of the Building Regulations.


## Technical Information

### Dimensions



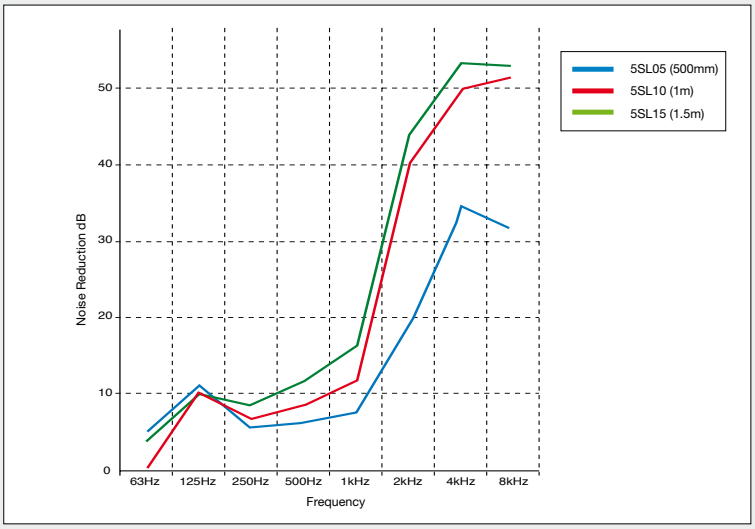

| Code | Xmm |
|---|---|
| 5SL05 | 624 |
| 5SL10 | 1124 |
| 5SL15 | 1624 |

### Sound Absorption Chart (dB)

| Silencer Code | 63Hz | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|---|---|---|---|---|---|---|---|---|
| **5SL05 (500mm)** | 5.1 | 10.8 | 5.6 | 6.2 | 7.5 | 18.9 | 34.3 | 31.7 |
| **5SL10 (1m)** | 0.1 | 10.1 | 6.6 | 8.3 | 11.6 | 40.0 | 49.8 | 51.4 |
| **5SL15 (1.5m)** | 3.7 | 9.9 | 8.2 | 11.4 | 16.1 | 44.0 | 53.5 | 53.0 |

Tested by SRL. Test Report No. C/08/5l/20594/R02

### Sound Absorption Graph (dB)




## The Range

| | Code | Description |
|---|---|---|
|  | 5SL05 | Supertube Duct Silencer, 500mm |
|  | 5SL10 | Supertube Duct Silencer, 1m |
|  | 5SL15 | Supertube Duct Silencer, 1.5m |

**Polypipe Ventilation**
Sandall Stones Road
Kirk Sandall Industrial Estate
Kirk Sandall, Doncaster
DN3 1QR
United Kingdom

tel: +44 (0)8443 715523
fax: +44 (0)8443 715524

email: vent.info@polypipe.com
web: www.polypipe.com/ventilation

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...the complete solution

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