Key Features:

- The System 220 Duct Silencer has been designed for high flowrate installations with low pressure drops.

- The new silencer offers many advantages over the traditional metal equivalent with corrosion free plastic construction giving a long serviceable life and no maintenance.

- With a height profile of only 95mm, allows for installation in most ceiling and roof voids and can be hidden out of sight on top of kitchen cupboards.

- The Verplas System 220 Duct Silencers provide effective attenuation as recommended by Document F of the Building Regulations 2010.

Why we need Silencers:

In the ever changing world of greater energy efficiency and more comfortable living, there has been a step change in the way that designers and specifiers have addressed domestic ventilation challenges.

Many new homes now incorporate central ventilation systems whereupon individual rooms are connected to a central system utilising a heat recovery unit. This allows for the collection of warm moist air from the wet areas, say in the kitchen and bathroom, to be ducted to the central heat recovery unit, where the moisture content is reduced and the dryer, warm air is used to condition fresh air from outside which is returned to other living spaces, such as the lounge and bedrooms.

One of the potential disadvantages to this network of ducting is that noise from the electric fan and mechanical moving parts can be transmitted along the duct runs and cause a noise nuisance to the occupants.

This issue has been recognised and addressed within the Approved Document F of the Building Regulations, which recommends that measures be taken to minimise noise disturbance.
The Solution:

Verplas System 220 (220mm x 90mm) is the largest plastic duct size used in domestic central ventilation systems and therefore can cope with very high flowrates and still achieve low pressure losses.

The new System 220 Duct Silencers are available in three different lengths depending upon the space available and the performance required. The silencers provide effective sound attenuation over a wide range of audible frequencies.

For extraction ducting, the silencer should be installed in the ducting before it exits the room space and for supply ducting, before it enters the room space. If space does not permit this, then install as close as possible to the extract or supply valve or grille.

The Acoustic and Pressure Loss performance of the Verplas System 220 Duct Silencers has been independently tested and verified by Sound Research Laboratories Limited in Technical Report C/22836/T02, which is available to download on request.

Also Available Now System 220x90mm Self-Seal Couplings:

- **VSSC220DD** Sys220: Rectangular Self-Seal Coupling Ducting to Ducting (220 x 90mm)
- **VSSC220DF** Sys220: Rectangular Self-Seal Coupling Ducting to Fitting (220 x 90mm)

NEW VERPLAS SYSTEM 220 SELF-SEAL COUPLINGS CAN BE USED WITH THE NEW VERPLAS SYSTEM 220 SILencers!