

Description

The High Volume Swirl Diffuser provides a uniform radial pattern of air across the ceiling to provide a good temperature distribution with minimal draughts in the occupied zones. The design ensures comfort can be maintained across a broad range of flow rates.

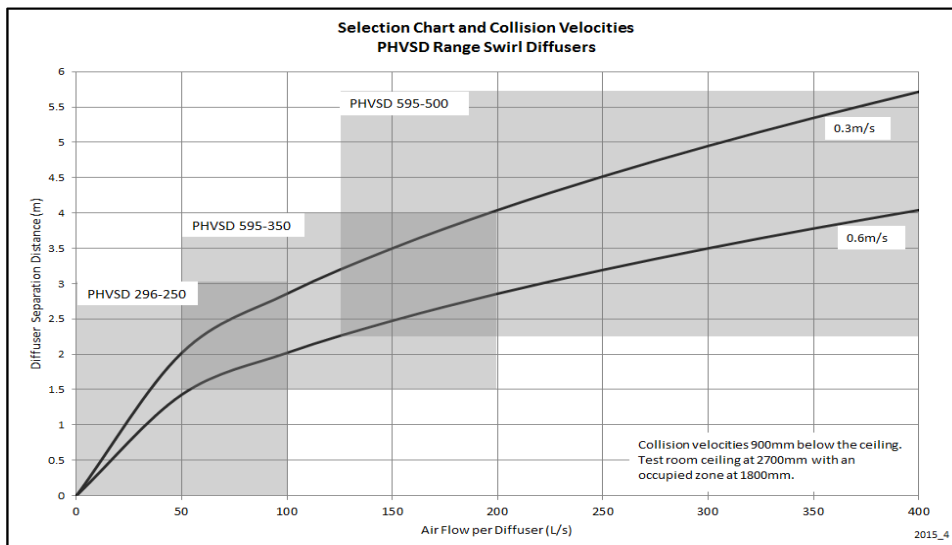
It is designed to be either flush ceiling mounted in a grid section or plasterboard mounted. The plenum is fitted with an internal diffuser plate to improve the pressure distribution. The diffuser is secured by a single centre screw and hidden from view behind a push-on decorative cap.

For lower flow rates, restriction rings (#1 to 5) are available for the PHVSD595-500 and aesthetically hides inside the neck behind diffuser face.

Square or round face swirl diffusers are available with size details on the next page.

The standard finish is a white (RAL9016) powder-coat but other colours are available..

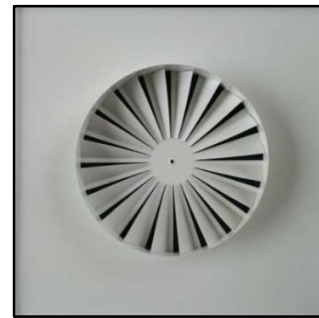
Selection Guide



Ordering Procedure

The available sizes are detailed below.

Model	Dimension "A"	Diameter "B"
PHVSD595-500	595	500
PHVSD675R-500	675	500
PHVSD595-350	595	350
PHVSD595R-350	595	350
PHVSD600R-500	600	500
PHVSD445-350	445	350
PHVSD395-350	395	350
PHVSD470R-350	470	350
PHVSD370-250	370	250
PHVSD296-250	296	250

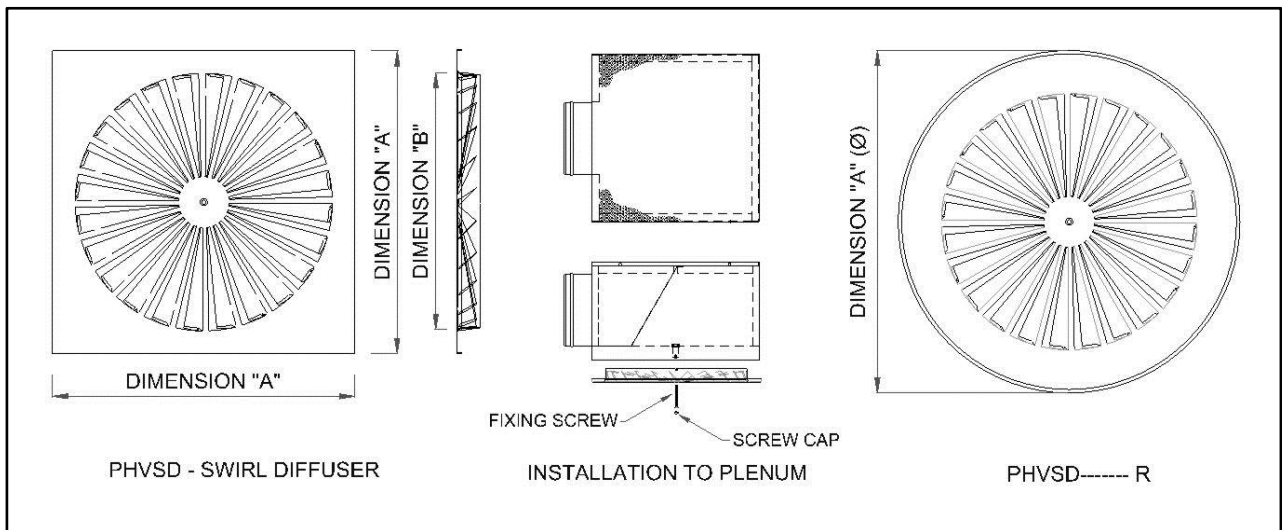


Rear View PHVSD595-350

Letter "R" denotes a round diffuser.

There are five sizes of ring insert available to downsize PHVSD595-500 for lower flow outlets. Rings are identified using a suffix e.g. "/ 5" for the smallest aperture ring.

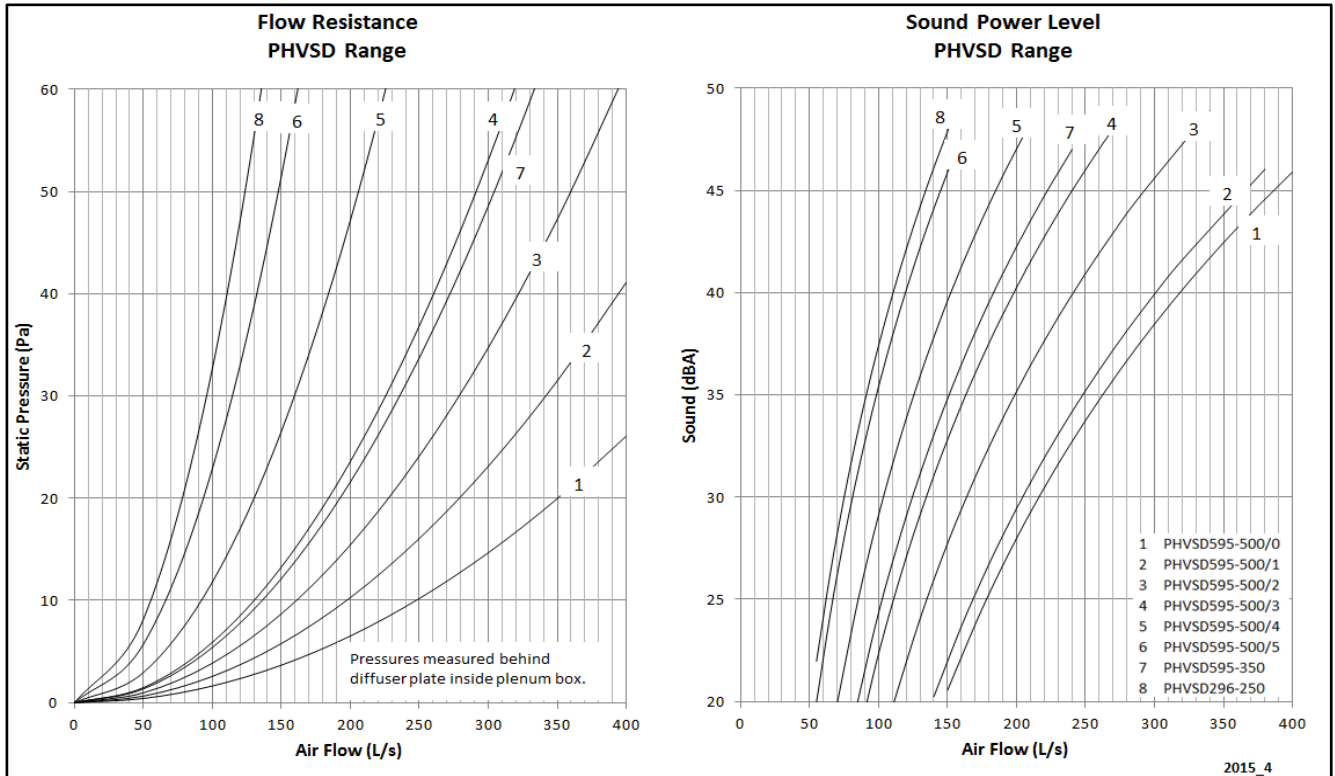
Dimensions



Application

This type of diffuser utilises the coanda effect to efficiently traverse the ceiling and envelope the occupied space with a supply of conditioned air. It is important to separate the units adequately to avoid undesirable collision velocities.

Performance Graphs



These graphs are for selection only and should not be used for commissioning.