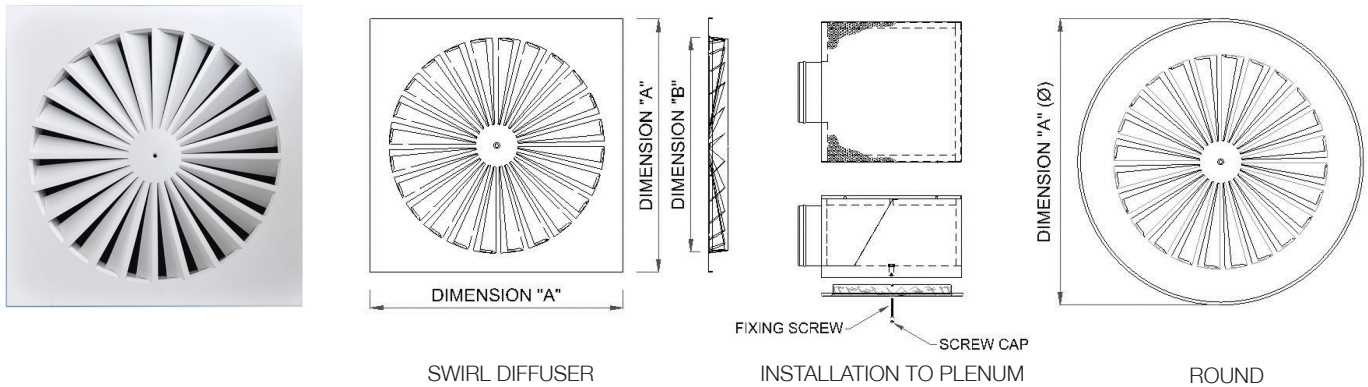


High Volume Swirl Diffusers



SWIRL DIFFUSER

INSTALLATION TO PLENUM

ROUND

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 PHVSD595-496 (3209585) and aesthetically hides inside the neck behind diffuser face.

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

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.

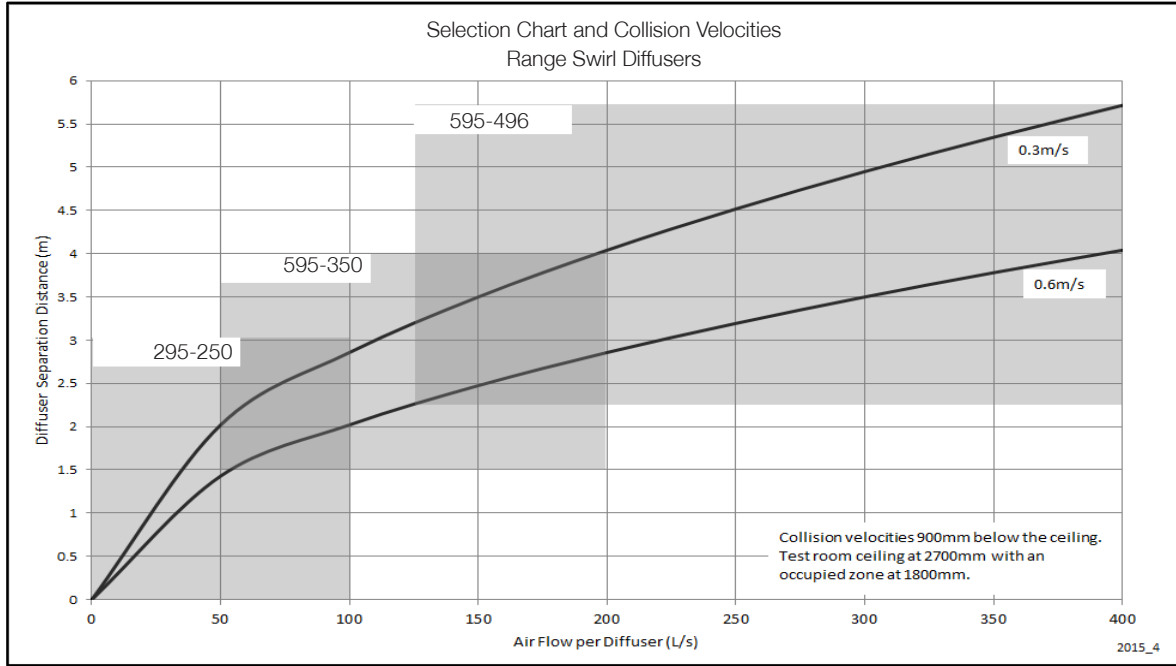
Code	Description	Dimension "A"	Dimension "B"
3209961	SWIRL DIFFUSER- 295 SQUARE 250 NECK	295	250
3215244	SWIRL DIFFUSER- 296 SQUARE RAL9003	296	296
3209548	SWIRL DIFFUSER- 370 SQUARE 250 NECK	370	250
3209581	SWIRL DIFFUSER- 395 SQUARE 350 NECK	395	350
3209781	SWIRL DIFFUSER- 445 SQUARE 350 NECK	445	350
3209960	SWIRL DIFFUSER- 595 SQUARE 350 NECK	595	350
3209585	SWIRL DIFFUSER- 595 SQUARE 496 NECK	595	496
3209963	SWIRL DIFFUSER- 295 ROUND 250 NECK	295	250
3209551	SWIRL DIFFUSER- 470 ROUND 350 NECK	470	350
3209584	SWIRL DIFFUSER- 600 ROUND 496 NECK	600	496
3209962	SWIRL DIFFUSER- 675 ROUND 496 NECK	675	496

There are five sizes of ring insert available to downsize PHVSD595-496 (3209585) for lower flow outlets.

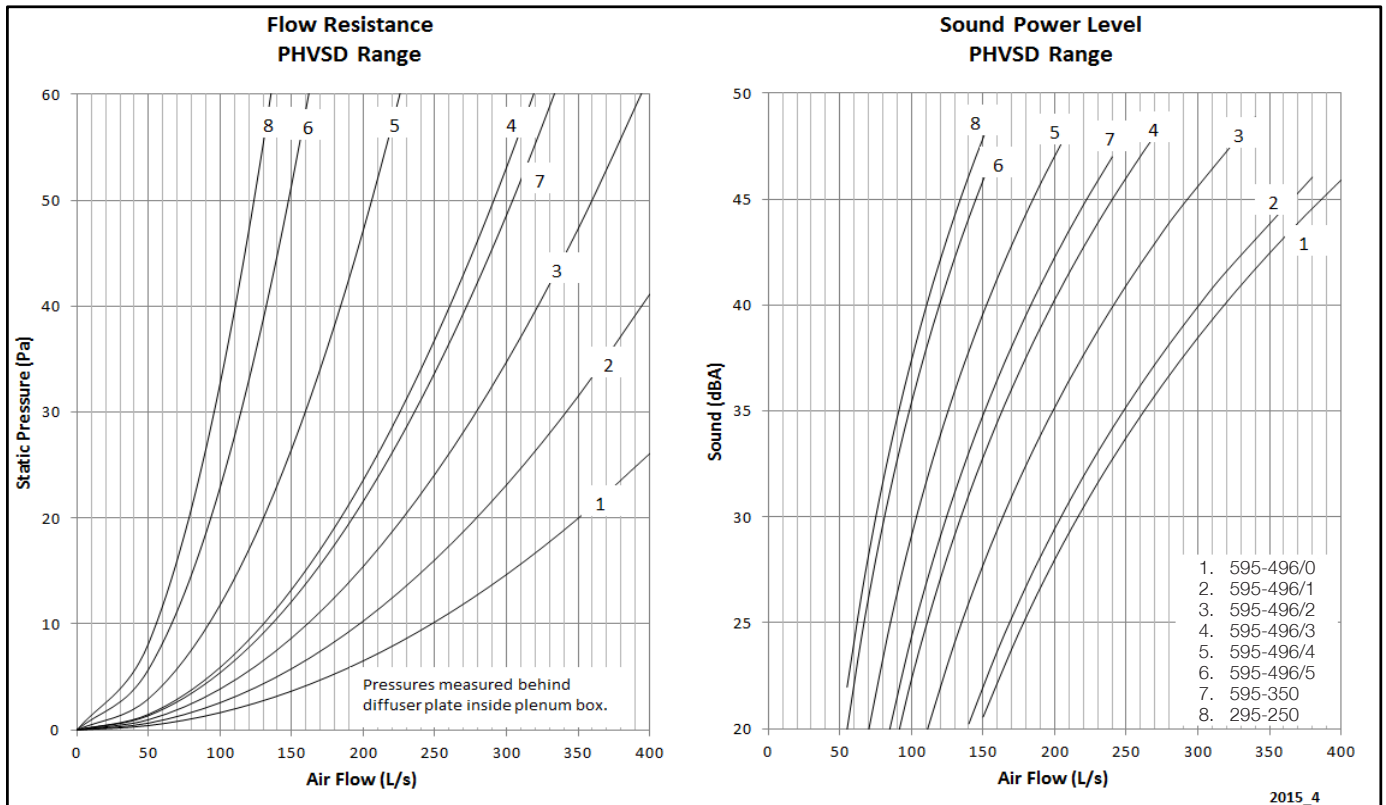


High Volume Swirl Diffusers

Selection Guide



Performance Graphs



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

Disclaimer: Products in this specification manual must by regulation be installed by licensed and registered trade people. The manufacturer/distributor reserves the right to vary specifications or delete models from their range without prior notification. Dimensions are nominal measurements only. Dimensions and set-outs listed are correct at time of publication however the manufacturer/distributor takes no responsibility for printing errors.