

VAV Diffusers  
**VPD**

# VDP | VAV Diffusers

## Description

Square Plaque Diffusers which have a clean look on the ceiling, are designed to create architectural integrity in the field. They provide low pressure drop and noise with a 360° radial, horizontal air pattern for rapid mixing and optimal thermal comfort.

STEKON VPD VAV Diffuser includes VAV unit, plenum box and square plaque diffuser integration. Precise air flow adjustment is done at the plenum inlet and plaque diffuser supplies the air to the conditioned zones.

## Materials

Square Plate Diffuser is made of aluminum and painted galvanized steel, plenum box and VAV unit is made of galvanized steel.

The air flow sensor is made of plastic and aluminum.

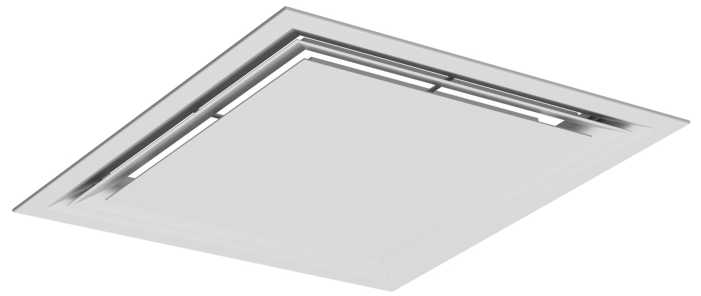
## Application

Each diffuser operates as a separate independent section and provides temperature control by adjusting the flow rate of the supply air according to the temperature setpoint.

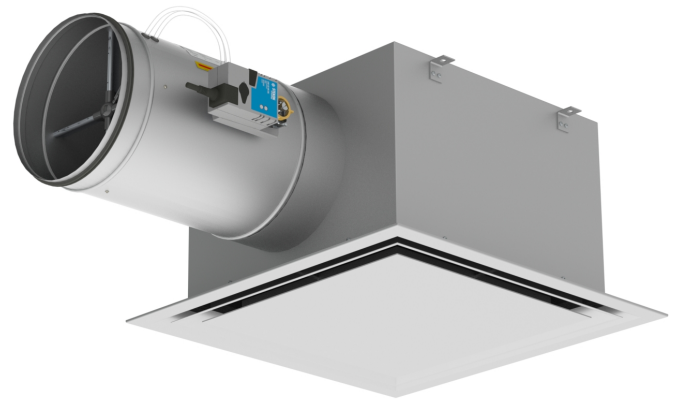
In this way, different comfort areas can be created in the same environment. The problems arising from the comfort criteria that vary from person to person are minimized.

As each diffuser adjusts its own air flow rate, it can be adapted immediately in the further room wall movements without requiring any ducting or extra equipment.

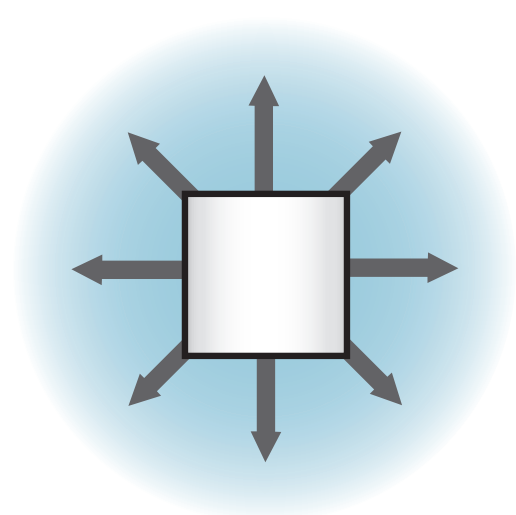
You can refer to the STEKON SDR technical catalog for flow adjustment details.



*Square Plaque Diffuser*



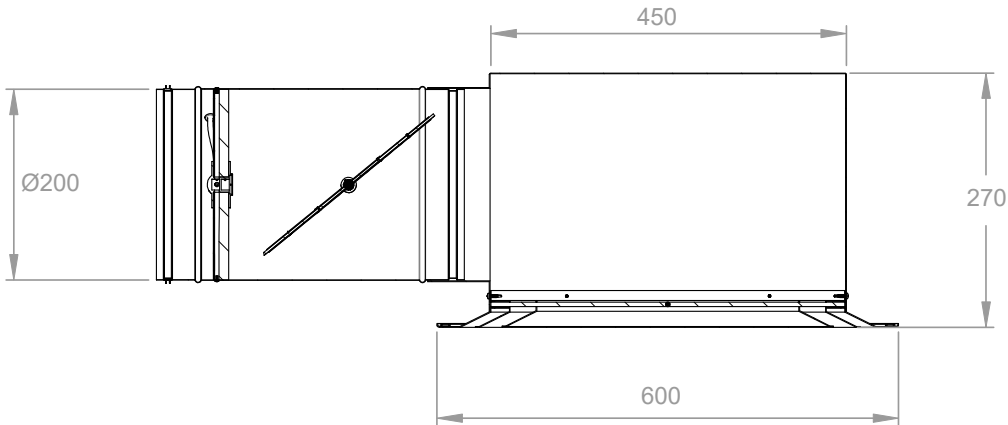
*VPD VAV Diffuser*



*Plan View - Horizontal Radial Pattern*



## VAV Diffuser Dimension



## Performance Data

VPD TECHNICAL DATA	Air Flow	VAV Air Velocity	Neck Velocity	Total Pressure Drop	Noise	Air Throw - Hrз
	[m3/h]	[m/s]	[m/s]	[Pa]	[NC]	[m]
	267	2,36	0,46	16	<15	2,1
	400	3,54	0,69	23	<15	3,3
	535	4,73	0,93	32	21	4,3
	670	5,93	1,16	43	27	4,9
	800	7,08	1,39	55	32	5,4
	935	8,27	1,62	75	36	5,8

## Application Examples



# VDP | VAV Diffusers

## Ordering Code

**VPD 600x600 / - / - / RAL..**

(1)            (2)            (3)    (4)            (5)

(1)    Model            VPD    = VAV Diffuser

(2)    Dimension       600x600 mm

(3)    VAV Insulation I       = VAV with insulation  
                                 -       = VAV without insulation

(4)    Silencer            S       = with  
                                 -       = without

(5)    RAL Code            RAL    = Color code

