



## PRVD/PRDD

**Perforated diffuser  
Return  
Surface-mounted, removable**

### Available types

**P R - D O -**

**P** perforated ceiling diffuser

**R** return

- **Face plate (removable)**

**V** flat

**D** 8 mm

**D** surface-mounted

**O** no accessories

- **Version**

**A** round top connection

**N** without plenum, with separate sightproof cover

**R** assembled, internally insulated plenum box

**U** assembled, uninsulated plenum box

**Z** square top connection

### SA-Select

Check SA-Select to create extended order codes and selection details online. **NB!** At this moment, SA-Select is only available in Dutch. But it is possible to create extended order codes and selection details online.

### Use

The PRVD perforated diffuser is suitable for air extraction and has the same appearance as the supply diffuser PTVD. The diffuser can be fitted in the ceiling and can be fitted with an insulated or uninsulated plenum box, which is supplied ready assembled. As standard, the plenum box is equipped with 8 mm hanging holes in the raised edge of the plenum.

### Version

#### Perforated diffuser

Frame: extruded aluminium

Front face: steel

Post-treatment: epoxy

Colour: white RAL 9010, optional RAL colour of your choice

#### Plenum box

Material: sendzimir galvanised steel

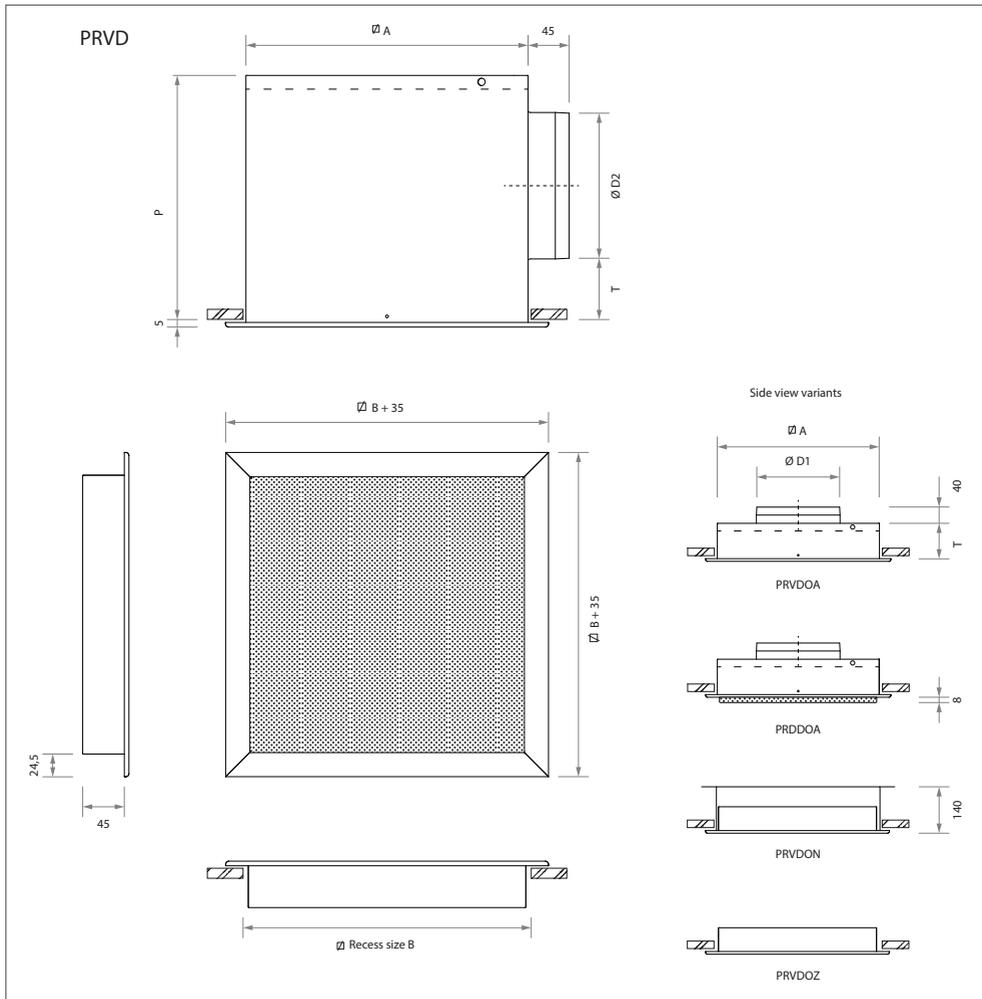
Internal insulation: 1/2" duct liner

Post-treatment: none

#### Optional

Plenum box: flat-sided

## Dimensions



## Available dimensions and sizes

model	B	A	D1	D2	T	P
250	249	242	123	123	70	235
300	313	307	158	158	70	270
400	388	382	198	198	75	315
500	483	477	248	198	85	325
550	556	551	313	248	105	395

## Note

- The listed dimensions are in mm.
- Information regarding flat-sided plenum boxes is available on our [website](#).

## Weight

model	type		
	without plenum OA	with plenum OR/OU	without plenum OZ
	kg	kg	kg
250	0,9	2,1	0,6
300	1,2	3,0	0,8
400	1,6	4,3	1,1
500	2,2	5,8	1,5
550	2,9	7,8	1,8

## Selection details

### PRVDOR, PRVDOA and PRVDUO

air volume		round connection		
m <sup>3</sup> /s	m <sup>3</sup> /h	model	$\Delta p_1$ , Pa	L <sub>PA</sub> dB(A)
0.015	<b>54</b>	250	1	-
0.020	<b>72</b>	250	3	-
0.025	<b>90</b>	250	4	-
		300	1	-
0.030	<b>108</b>	250	6	-
		300	2	-
0.040	<b>144</b>	250	11	-
		300	4	-
		400	1	-
0.050	<b>180</b>	250	16	12
		300	6	-
		400	2	-
0.060	<b>216</b>	250	24	17
		300	9	-
		400	3	-
		500	3	-
0.080	<b>288</b>	300	15	13
		400	6	-
		500	5	-
		550	3	-
0.100	<b>360</b>	300	24	19
		400	9	-
		500	8	-
		550	4	-
0.125	<b>450</b>	400	14	15
		500	12	15
		550	6	-
0.150	<b>540</b>	400	21	20
		500	18	20
		550	9	10
0.200	<b>720</b>	500	31	27
		550	16	17
		550	25	23
0.250	<b>900</b>	550	35	28
0.300	<b>1080</b>	550	35	28

### PRVDOZ and PRVDON

air volume		square connection		
m <sup>3</sup> /s	m <sup>3</sup> /h	model	$\Delta p_1$ , Pa	L <sub>PA</sub> dB(A)
0.080	<b>288</b>	250	9	10
		300	3	-
0.100	<b>360</b>	250	13	15
		300	5	-
		400	2	-
0.125	<b>450</b>	250	21	21
		300	8	11
		400	3	-
0.150	<b>540</b>	250	30	25
		300	11	15
		400	4	-
		500	2	-
0.200	<b>720</b>	250	54	32
		300	20	22
		400	8	13
		500	3	-
		550	2	-
0.300	<b>1080</b>	300	45	32
		400	18	23
		500	7	14
		550	3	-
0.400	<b>1440</b>	300	79	39
		400	32	30
		500	13	21
		550	6	14
0.500	<b>1800</b>	400	49	35
		500	20	26
		550	10	19
0.600	<b>2160</b>	400	71	39
		500	29	31
		550	14	23
0.800	<b>2880</b>	500	51	37
		550	24	30
1.000	<b>3600</b>	550	38	36

### Attenuation values plenum box (without end reflection)

model	attenuation values						
	125	250	500	1k	2k	4k	Hz
<b>250</b>	5	0	3	10	5	11	dB
<b>300</b>	3	1	6	7	7	9	dB
<b>400</b>	2	2	9	7	7	9	dB
<b>500</b>	2	4	9	7	7	10	dB
<b>550</b>	0	6	7	7	6	9	dB

### General

- The assumed room attenuation is 10 dB.
- It is permitted to interpolate the interim values.