



WRPD

Wall diffuser Return Perforated

Available types

WRPDO-

- W** wall diffuser
- R** return
- P** perforated face plate (removable)
- D** surface-mounted frame, 26 mm
- O** no accessories

- Version

- R** internally insulated plenum box, rear connection
- U** uninsulated plenum box, rear connection
- T** left side connection, internally insulated plenum box
- S** left side connection, uninsulated plenum box
- K** right side connection, internally insulated plenum box
- E** right side connection, uninsulated plenum box

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 WRPD wall diffuser is suitable for air extraction and has the same appearance as the supply diffuser WTPD.

Characteristics

The large free flow makes the diffuser suitable for a high capacity with a low noise level.

Version

Perforated diffuser

Frame:	anodised aluminium
Front plate:	steel
Post-treatment:	epoxy
Colour:	white RAL 9010, optional RAL colour of your choice

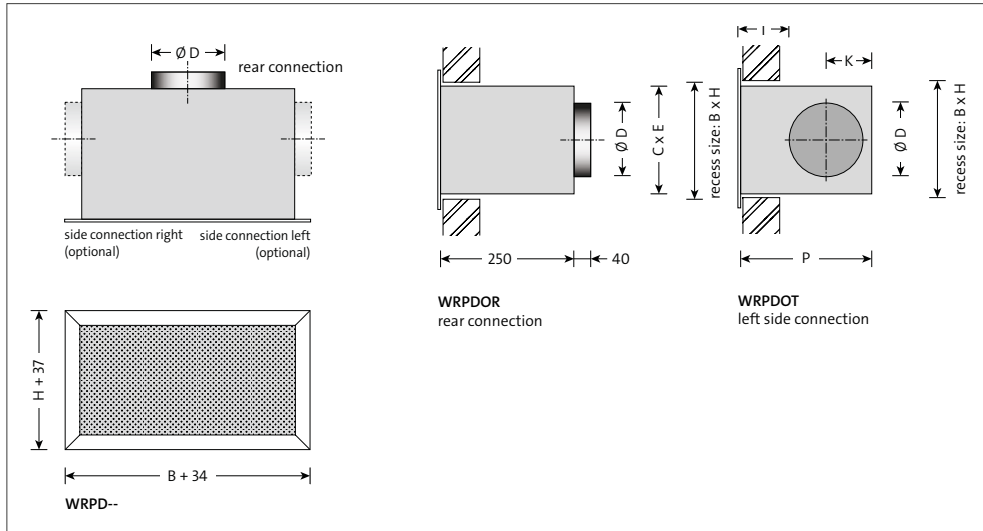
Plenum box

Material:	sendzimir galvanised steel
Internal insulation:	1/2" duct liner
Post-treatment:	none

Optional

Plenums for different wall thicknesses.

Dimensions



Available dimensions and sizes

model	B	H	C	E	D	P*	K*	T*
300	313	150	305	145	123	343	107	110
400	388	200	380	195	158	378	124	110
500	483	248	475	240	198	418	144	110
600	578	313	570	305	248	468	169	110

*) with a side connection only

Note

- The listed dimensions are in mm.
- W x H is the recess size.
- Sizes P*, K* and T* are based on a wall thickness of 110 mm.
- Optional plenums are available for different wall thicknesses.

Selection details

WRPD

air volume		model	Δp_s Pa	L_{TA} dB(A)
m ³ /s	m ³ /h			
0.012	45	300	1	-
0.015	54	300	2	-
0.020	72	300	4	-
		400	1	-
0.025	90	300	6	-
		400	2	-
0.030	108	300	9	-
		400	3	-
0.040	144	300	15	13
		400	6	-
		500	5	-
0.050	180	300	24	19
		400	9	-
		500	8	-
		600	4	-
0.060	216	400	14	15
		500	12	15
		600	6	-
0.080	288	400	21	20
		500	18	20
		600	9	10
0.100	360	500	31	27
		600	16	17
0.125	450	600	25	23
0.150	540	600	35	28

General

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