

# WRPD

- ▶ Wall diffuser
- ▶ Return
- ▶ Perforated

## Design:

**Perforated diffuser**  
 frame: extruded aluminium  
 front sheet: steel  
 finish: epoxy powder  
 colour: white RAL 9010

**Plenum box**  
 material: galvanised sheet steel  
 lining: 12 mm polyester wool  
 finish: none

## Available types:

### WRPDO -

- W** wall diffuser
- R** return
- P** removable perforated front core
- D** frame mounting
- O** no accessories

### - designed with

- R** lined plenum box, rear connection
- U** un-lined plenum box, rear connection
- T** lined plenum box, left connection
- S** un-lined plenum box, left connection
- K** lined plenum box, right connection
- E** un-lined plenum box, right connection

## Application:

The wall diffuser type WRPD is suited for return air and its external appearance is the same as the WTPD supply diffuser

## Dimensional data:

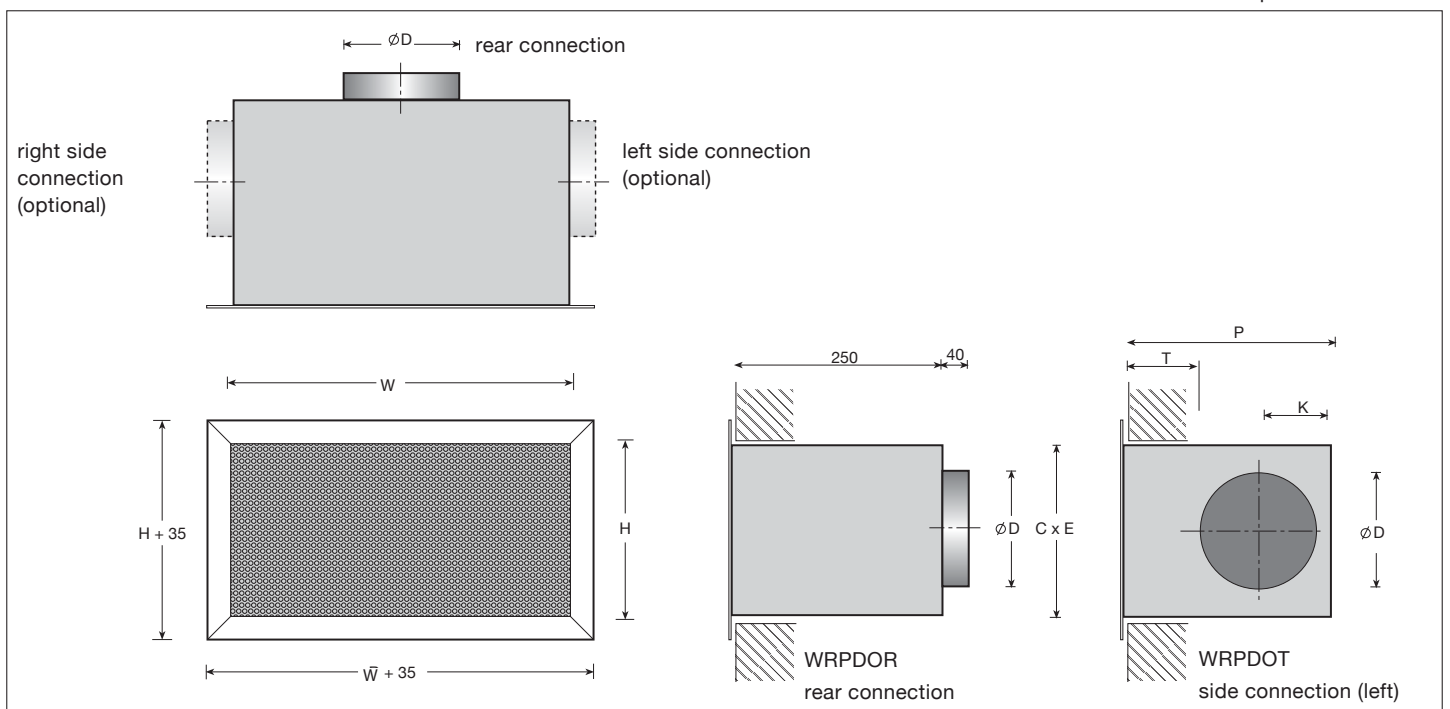
Model	W	H	C	E	D	P*	K*	T*
300	313	150	305	145	123	235	88	85
400	388	200	380	195	158	275	105	90
500	483	248	475	240	198	325	125	100
600	578	313	570	305	248	395	150	120

\*) only in case of side connection

## Remark:

The stated dimensions are sizes in mm.  
 The dimensions W x H are the recommended hole or duct sizes.  
 T size is minimal, plenums for non standard wall thickness is optional.  
 Connection "D" is actual O.D.  
 Please advise at time of order if face screws are required.

## Dimensions:



## Performance data WRPD:

Air volume.		Model	Ps	Lp
m <sup>3</sup> /s	m <sup>3</sup> /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
m <sup>3</sup> /s	m <sup>3</sup> /h	Model	Ps	Lp

## General:

- static pressure drop Ps in Pa.  
The adopted room absorption is 10 dB.
- sound pressure level Lp in dB(A).

Interpolation of intermediate values is acceptable.