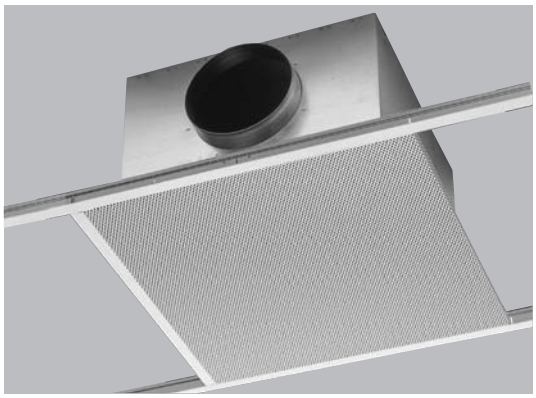


PRVM

- Perforated diffuser
- Return
- For Tee-bar mounting

Application:

The perforated diffuser type PRVM is suited for return air and its external appearance is the same as the PTVM supply diffuser. The free area is 50%
The diffuser can be Tee-bar mounted in a ceiling with a 600 mm module size and be fitted with a (lined) plenum box which is delivered ready assembled

Dimensional data:

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

Weights:

Model	type		Ø
	OA	OR	vcd
250	3.2	4.4	0.1
300	3.1	4.8	0.2
400	2.9	5.5	0.3
500	2.6	6.1	0.4
550	2.5	7.2	0.5

PRVMOO perforated only : 1.2 kg

Remarks:

The dimensions are given in mm.
Weights are given in kg.

In addition to the standard lay-in ceiling diffuser, we can also provide the diffuser with a tegular edge to suit most modern ceiling systems (please refer to Solid Air Head office).

Design:

Perforated diffuser

face plate:	steel
finish:	epoxy powder
colour:	white RAL 9010

Plenum box

material:	steel galvanised sendzimir
lining:	12 mm polyester wool
finish:	none

Damper

material:	steel galvanised sendzimir
finish:	none

Available types:

P R - M - -

P perforated ceiling diffuser
R exhaust

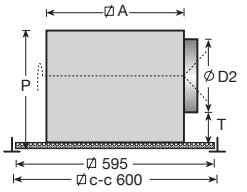
- face plate
V flat
T tegular

M suited for standard modular ceiling module size 600 mm

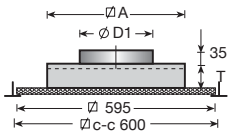
- accessories
O none
V damper

- available as options
A round top connection
Z square top connection
R lined plenum box (assembled)
U un-lined plenum box (assembled)
L lined top connection
O face plate only

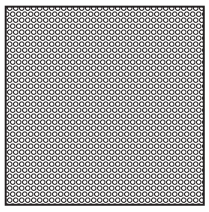
Dimensions:

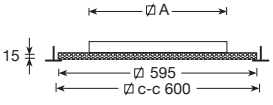


PRVMVR

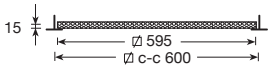


PRVMOA

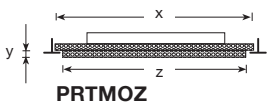




PRVMOZ



PRVMOO



PRTMOZ

Dimensions x, y and z must be provided when ordered

Performance data:

PRVMOR and PRVMOA:

Air volume		round connection		
m^3/s	m^3/h	model	Ps	Lp
0,015	54	**250**	1	-
0,020	72	**250**	3	-
0,025	90	**250**	4	-
		300	1	-
0,030	108	**250**	6	-
		300	2	-
0,040	144	**250**	11	-
		300	4	-
		400	1	-
0,050	180	**250**	16	12
		300	6	-
		400	2	-
0,060	216	**250**	24	17
		300	9	-
		400	3	-
		500	3	-
0,080	288	**300**	15	13
		400	6	-
		500	5	-
		550	3	-
0,100	360	**300**	24	19
		400	9	-
		500	8	-
		550	4	-
0,125	450	**400**	14	15
		500	12	15
		550	6	-
0,150	540	**400**	21	20
		500	18	20
		550	9	10
0,200	720	**500**	31	27
		550	16	17
0,250	900	**550**	25	23
0,300	1080	**550**	35	28

PRVMOZ:

Air volume		square connection		
m^3/s	m^3/h	model	Ps	Lp
0,080	288	**250**	9	10
		300	3	-
0,100	360	**250**	13	15
		300	5	-
		400	2	-
0,125	450	**250**	21	21
		300	8	11
		400	3	-
0,150	540	**250**	30	25
		300	11	15
		400	4	-
		500	2	-
0,200	720	**250**	54	32
		300	20	22
		400	8	13
		500	3	-
		550	2	-
0,300	1080	**300**	45	32
		400	18	23
		500	7	14
		550	3	-
0,400	1440	**300**	79	39
		400	32	30
		500	13	21
		550	6	14
0,500	1800	**400**	49	35
		500	20	26
		550	10	19
0,600	2160	**400**	71	39
		500	29	31
		550	14	23
0,800	2880	**500**	51	37
		550	24	30
1,000	3600	**550**	38	36

PRVMOO face plate only ⌀ 595:

Air volume				
m^3/s	m^3/h	model	Ps	Lp
0,200	720	**550**	2	-
0,300	1080	**550**	3	-
0,400	1440	**550**	6	14
0,500	1800	**550**	10	19
0,600	2160	**550**	14	23
0,800	2880	**550**	24	30
1,000	3600	**550**	38	36

General:

The pressure drop applies to fully opened damper.
• static pressure drop Ps in Pa.
The assumed room absorption is 10 dB.
• sound pressure Lp in dB(A)
Intermediate values may be interpolated.

Plenum box sound dampering:

Model	Middle frequency bands					
	125	250	500	1K	2K	4K
250	5	0	3	10	5	11
300	3	1	6	7	7	9
400	2	2	9	7	7	9
500	2	4	9	7	7	10
550	0	6	7	7	6	9