VENTILATION GRILLES IN ABS

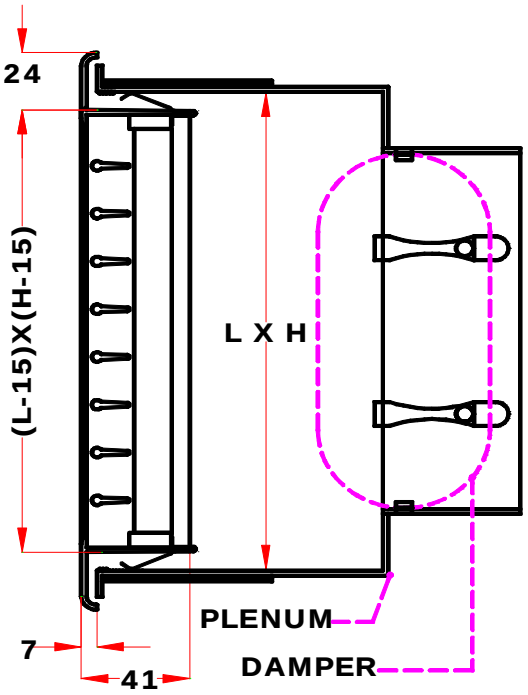
TE-BA
SERIES

MATERIALS
ASSEMBLY DIMENSIONS

Overview :
The TE-BA grille is a double layer of adjustable blades. Each layer can be positioned separately (horizontally or vertically) and adjusted according to specific project requirements. Built specifically for both wall and ducts installations, recognisable from the single structure of the body of the grille made entirely in ABS class V0 RAL 9010. The drip design of the blades with a 20mm pitch are also made from ABS class V0 RAL 9010 and are very easily adjustable simultaneously.
Studied to beused in conjunction with the **PAaxb** plenum, fixed by clips but can also be fitted to a standard steel plenum.

Accessories :
Plenum in ABS complete with damper (refer to table TE-PA for details).

Installation :
Fixing to duct using clips. Wall mounting using clips on plenum TE-PA.



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PERFORMANCE

L x H (mm)		Air Flow	Throw T (m)	Δps (Pa)	Lp dB(A)	Front section (m²)
200	100	100	2,6	1,6	<20	0,012
300	100		2,2	0,6	<20	0,018
200	100	200	5,2	6,4	30	0,012
300	100		4,3	2,5	<20	0,018
400	100		3,8	1,6	<20	0,024
300	150		3,6	0,9	<20	0,032
300	100	300	6,5	5,7	30	0,018
400	100		5,7	3,5	24	0,024
300	150		5,4	2,0	<20	0,032
400	150		4,8	1,2	<20	0,041
400	100	400	7,6	6,2	33	0,024
300	150		7,2	3,5	25	0,032
400	150		6,4	2,1	<20	0,041
500	150		5,8	1,2	<20	0,053
400	200		5,6	1,0	<20	0,059
300	150	500	9,0	5,4	32	0,032
400	150		8,0	3,2	25	0,041
500	150		7,2	1,9	<20	0,053
600	150		6,7	1,3	<20	0,064
400	200		8,4	1,6	<20	0,059
500	200		6,4	1,0	<20	0,076
400	150	600	9,5	4,6	30	0,041
500	150		8,7	2,8	24	0,053
600	150		8,0	1,9	20	0,064
400	200		8,4	2,3	22	0,059
500	200		7,6	1,4	<20	0,076
600	200		7,0	0,9	<20	0,093

The data in the above table refer to the following conditions:
Terminal velocity Vt=0,25 m/sΔT= −10°C, distance from ceiling 300mm,
indicated pressure: static pressure Δps (Pa) with 100% opened damper.
Sound: Sound pressure level Lp dB(A) with absorption equal to 10dB of the chamber
The throws indicated for a blade angel of**α°=0**. For installation distances between 400mm and 600mm, the blades must be angled at **α°=15°** towards the ceiling.

Correction coefficient for the throw :
With ΔT 0°C isothermal condition, multiply the throw by 1,1;
With ΔT +10°C isothermal condition, multiply the throw by 1,2.
The throws change in relation to the diffusion angle on the blades.
For angles different to 0°, multiply the throw by the value for k in the table.

α	k
15	0,97
45	0,71
60	0,50

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PERFORMANCE

L x H (mm)		Portata (m³/h)	Lancio T (m)	Δps (Pa)	Lp dB(A)	Sezione frontale (m²)
400	150	700	11,1	6,3	35	0,041
500	150		10,1	3,8	29	0,053
600	150		9,3	8,1	24	0,064
400	200		9,8	3,1	26	0,059
500	200		8,9	1,9	20	0,076
600	200		8,2	1,2	<20	0,093
500	150	800	11,5	5,0	33	0,053
600	150		9,3	3,4	28	0,064
400	200		11,2	4,0	30	0,059
500	200		10,2	2,4	24	0,076
600	200		9,4	1,6	<20	0,093
600	150	900	12,0	4,3	31	0,064
400	200		12,6	5,1	33	0,059
500	200		11,4	3,1	27	0,076
600	200		10,6	2,0	22	0,093
600	150	1000	13,3	5,3	34	0,064
400	200		14,0	6,3	37	0,059
500	200		12,7	3,8	30	0,076
600	200		11,7	2,5	25	0,093
500	200	1100	14,0	4,6	33	0,059
600	200		11,7	3,0	28	0,076
500	200	1200	15,2	5,5	36	0,076
600	200		14,1	3,6	30	0,093
500	200	1300	16,5	6,4	38	0,076
600	200		15,2	4,2	33	0,093
500	200	1400	17,8	7,5	41	0,076
600	200		16,4	4,9	35	0,093

The data in the above table refer to the following conditions:
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indicated pressure: static pressure Δps (Pa) with 100% opened damper.
Sound: Sound pressure level Lp dB(A) with absorption equal to 10dB of the chamber
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α	k
15	0,97
45	0,71
60	0,50

VENTILATION GRILLES IN ABS

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CODES

L x H (mm)		CODE
200	100	TE-BAA600100
300	100	TE-BAA300100
400	100	TE-BAA400100
300	150	TE-BAA300150
400	150	TE-BAA400150
500	150	TE-BAA500150
600	150	TE-BAA600150
400	200	TE-BAA400200
500	200	TE-BAA500200
600	200	TE-BAA600200

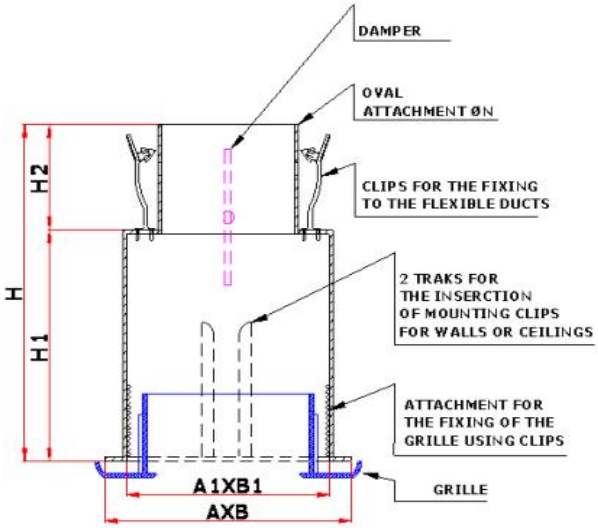
INSULATED PLENUM IN ABS WITH ADJUSTABLE CONNECTOR

MATERIALS
MANUFACTURING DIMENSIONS

TE-PAB
SEIRES

The insulated TE-PAB series plenum is a special patented model in ABS class V0, with quick connector for flexible ducts, adjustable in height and complete of regulation damper. Its particular design , allows to rapidly fit with a simple action the flexible ducts of different diameters blocking them with special clips. The TE-PAB plenum is an alternative to the traditional ones in galvanized steel sheets and thanks to the regulation of the connector, enables the use of one single type of plenum for grille size.
The plenum disposes of a butterfly damper so as to easy adap to the size of the connector previously chosen.
The presence of guides for the use of clips for fitting to walls or ceilings and its reduced weight, make the TE-PAB an ideal product for every type of installation.

Materials
Standard Plenum TE-PAB: In ABS. Regulation damper: In abs.



Connector regulation system

Adaptable damper

Model	Ø N	AXB	A1XB1	H	H1	H2
TE-PAB-200100	125	125x223	102x201	160	110	50
TE-PAB-300100	160-200	125x323	102x301	160	110	50
TE-PAB-400100	160-200	125x423	102x401	160	110	50
TE-PAB-300150	160-200	175x323	152x301	160	110	50
TE-PAB-400150	160-200-250	175x423	152x401	160	110	50
TE-PAB-500150	160-200-250	175x523	152x501	160	110	50
TE-PAB-600150	160-200-250	175x623	152x601	160	110	50
TE-PAB-400200	200-250	225x423	202x401	160	110	50
TE-PAB-500200	200-250	225x523	202x501	160	110	50
TE-PAB-600200	200-250	225x623	202x601	160	110	50