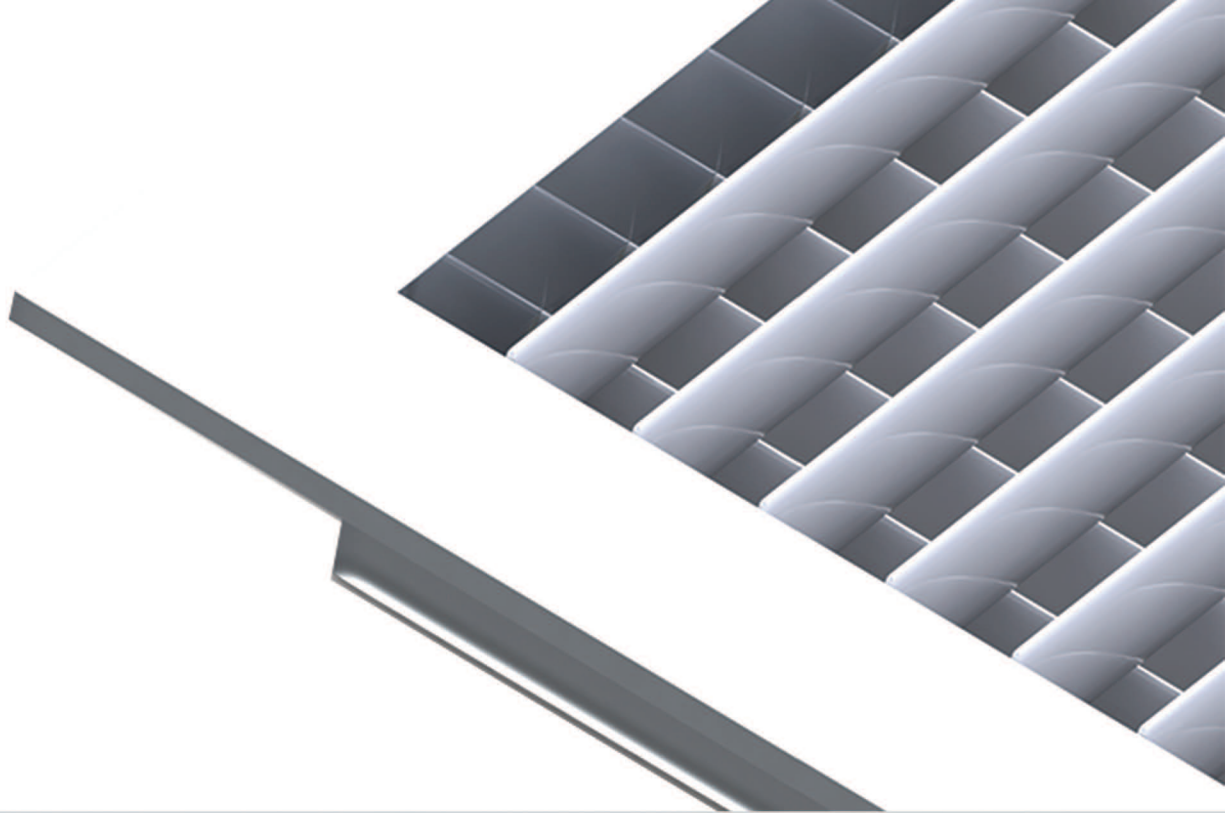
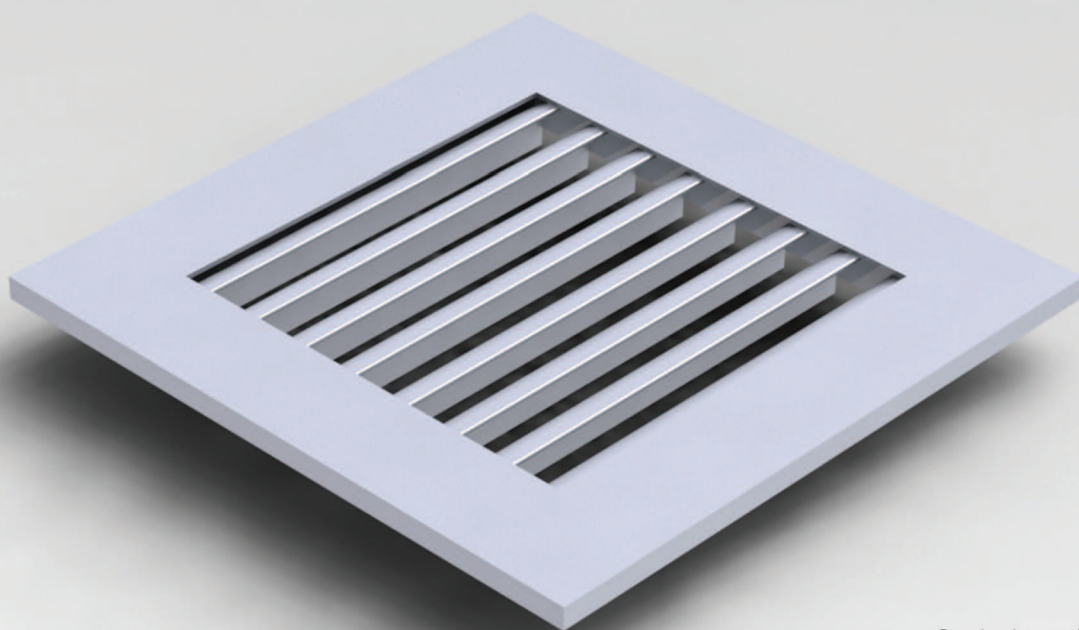


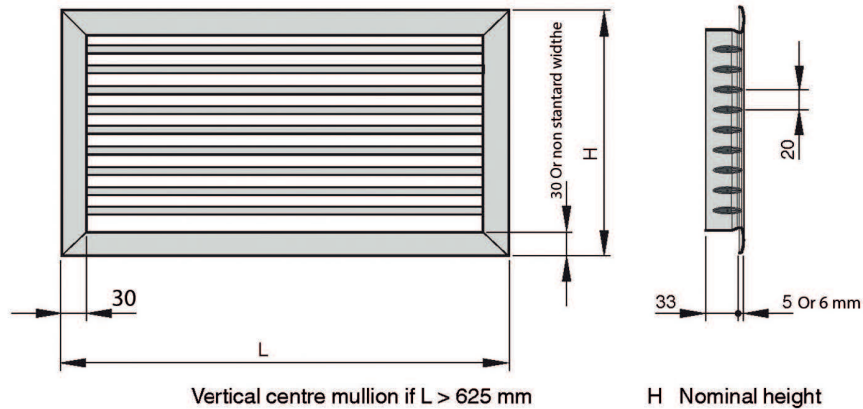


AIR GRILL



Out standing technique for highest demands Unique in comfort, acousrics and design

Construction

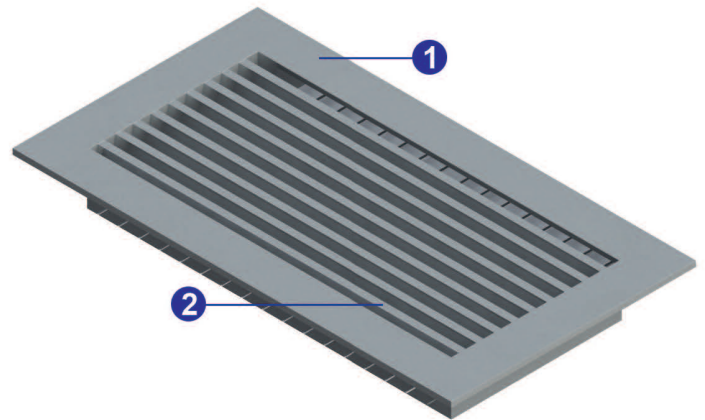


1- Frame

Made from High quality extruded aluminum profile with 30 mm flange width as standard and nonstandard widths are available as option.

2 - Blades

Made from High quality aluminum profiles 0° and 15° deflection. Horizontal face bars with 0° and 15° deflection 1 way throw and 2 ways throw.

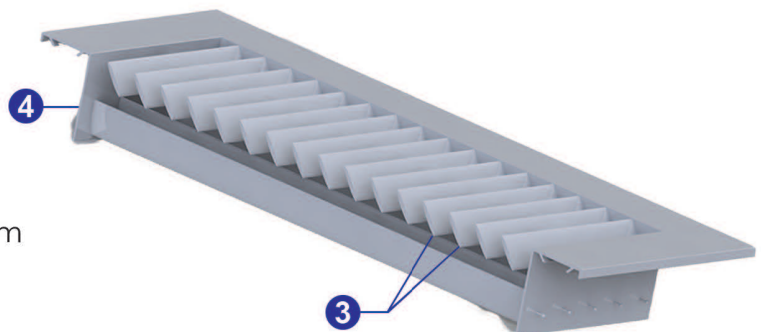


3 - Bar Spacing

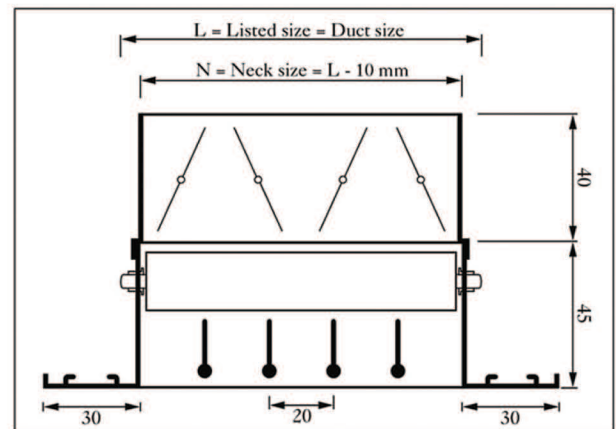
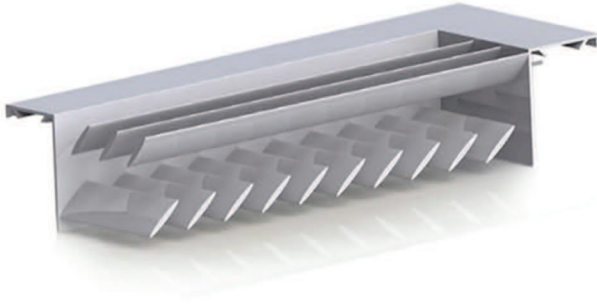
20 mm as standard. 6 mm as option.

4 - Damper frame and blade

Made from High quality extruded aluminum profiles.



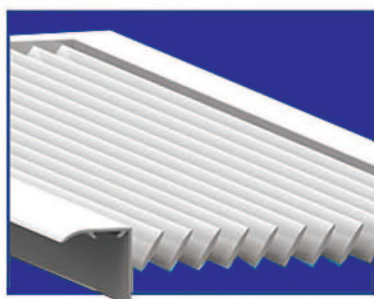
Description



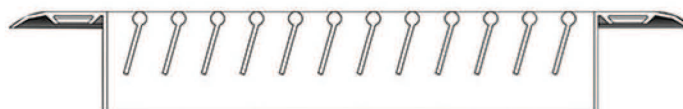
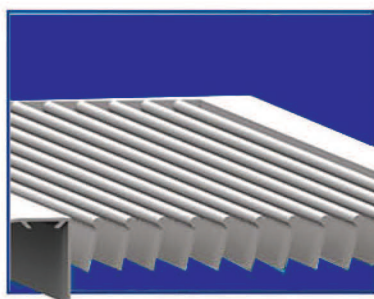
- Frame and Blades made from of high quality extruded aluminum profiled with Powder coated color finish.
- Three Different Frames as Options and six Different blades with different angles as option with flexibility of manufacturing and finish.
- Horizontal face bars with 0° and 15° deflection 1 way throw and 2 ways throw Fixed rigidly to the frame with 6 mm pipes.
- Supplied single deflection or double deflection and with volume control damper or without volume control damper.
- Total structure is manufactured by mechanical assembly, assuring rigidity and to maintain straight line appearance.
- Foam gasket is sealed around the back of the frame as option to avoid air leakage.
- Supplied with C - clamps for concealed fixing as option and another Multiple Fixing Options are available.
- Powder coated color finish per RAL codes as a standard and flexibility of finish.

Types Of Blades And Types Of Frames

- Two types of adjustable blades.



LBG-B5
Adjustable

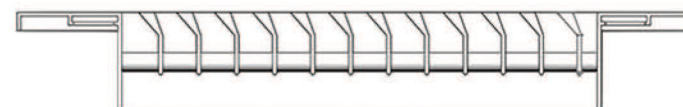
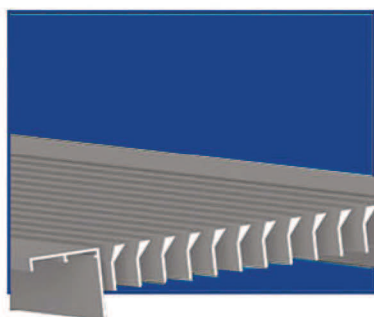


LBG-B6
Adjustable

- Two types of standard and non standard frames.



LBG-F1
Adjustable



LBG-F2
Adjustable

Front Horizontal

Construction:

Frame : High quality extruded aluminum profile with 30 mm flange width as standard. 12, 20, 24 mm flange widths are optional.

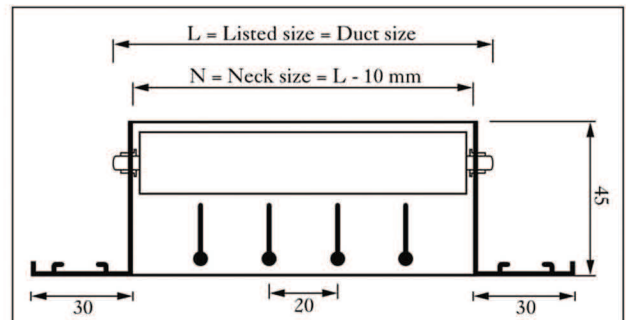
Blades : Aerofoil blades from aluminum profiles.

Blade spacing : 20 mm as standard.



Description:

- The frame and blades are of high quality extruded aluminum profiled construction with the advantages of corrosion resistance and rigidity.
- Grilles have two sets parallel aerofoil blades with one set mounted horizontally on the front and other set vertically at the rear.
- Frame is separated from aerofoil deflection blades by nylon bushings. This method of assembly ensures quiet, smooth and rattle free operation.
- Deflection blades can be adjusted manually and individually, to provide air deflection in both horizontal and vertical planes.
- Maximum effective pressure areas can be achieved when the blades are positioned at 0° position.



Standard finishes:

- Natural anodized aluminum finish.
- Powder coated color finish as per RAL color codes.
- Flexibility of finishing is available as option.

Front Vertical

Construction:

Frame : High quality extruded aluminum profile with 30 mm flange width as standard. 12, 20, 24 mm flange widths are optional.

Blades : Aerofoil blades from aluminum profiles.

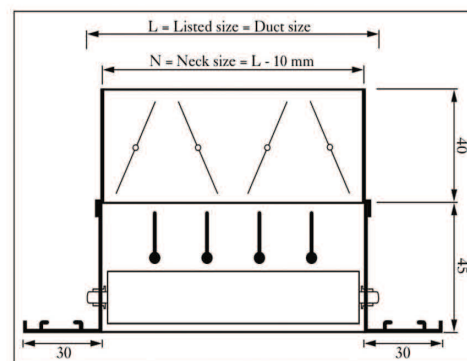
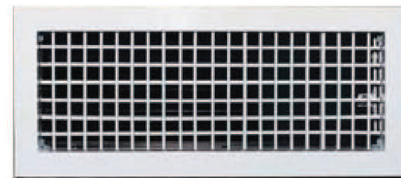
Blade spacing : 20 mm as standard.

Option:

Damper frame and blades: High quality extruded aluminum profiles with natural aluminum finish. Black matt finish as option.

Description:

- The frame and blades are of high quality extruded aluminum profiled construction with the advantages of corrosion resistance and rigidity.
- Grilles have two sets parallel aerofoil blades with one set mounted vertically on the front and other set horizontally at the rear.
- Frame is separated from aerofoil deflection blades by nylon bushings. This method of assembly ensures quiet, smooth and rattle free operation.
- Deflection blades can be adjusted manually and individually, to provide air deflection in both horizontal and vertical planes.
- Grilles are rigidly fixed with opposed blade damper by grippers. Damper blade is screw operated from the face opening.
- Foam gasket is sealed around the back of the frame as option to avoid air leakage.



Standard finishes:

- Natural anodized aluminum finish.
- Powder coated color finish as per RAL color codes.
- Flexibility of finishing is available as option.

Fixed Horizontal Blades

Construction:

Frame : High quality extruded aluminum profile with 30 mm flange width as standard. 12, 20, 24 mm flange widths are optional.

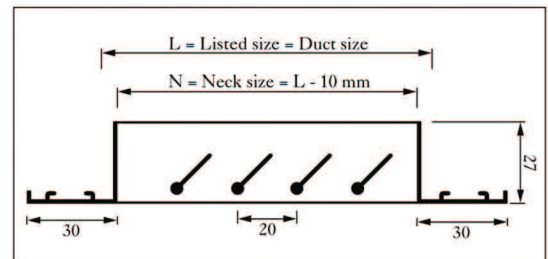
Blades : Aerofoil blades from aluminum profiles.

Blade spacing : 20 mm as standard.



Description:

- The frame and blades are of high quality extruded aluminum profiled construction with the advantages of corrosion resistance and rigidity.
- Deflection blades are fixed rigidly to the frame at an angle of 45° to the horizontal plane.



Standard finishes:

- Natural anodized aluminum finish.
- Powder coated color finish as per RAL color codes.
- Flexibility of finishing is available as option.

Adjustable Blades

Construction:

Frame : High quality extruded aluminum profile with 30 mm flange width as standard. 12, 20, 24 mm flange widths are optional.

Blades : Aerofoil blades from aluminum profiles.

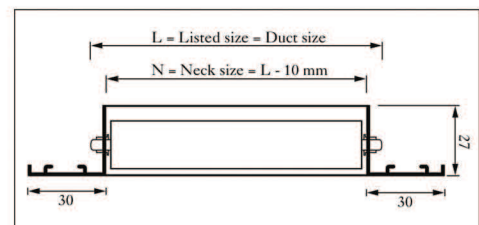
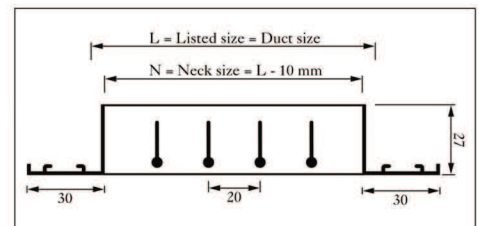
Blade spacing : 20 mm as standard.

Description:

- The frame and blades are of high quality extruded aluminum profiled construction with the advantages of corrosion resistance and rigidity.
- Frame is separated from aerofoil deflection blades by nylon bushings. This method of assembly ensures quiet, smooth and rattle free operation.
- Deflection blades can be adjusted manually and individually in the horizontal plane to obtain optimum air distribution.
- Maximum effective pressure areas can be achieved when the blades are positioned at 0° horizontal position.

Standard finishes:

- Natural anodized aluminum finish.
- Powder coated color finish as per RAL color codes.
- Flexibility of finishing is available as option.

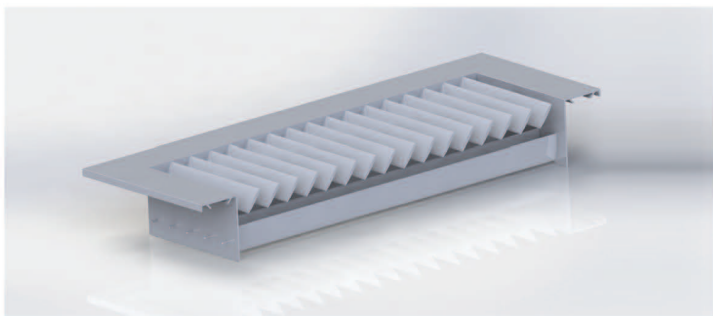


AIR GRILL (A G)

Technical Data Double Deflection

The new air grill basic ventilation grilles with Their gently sloped border combine function With an attractive design; they can be installed In walls, sills or rectangular ducts.

- Nominal sizes 200 × 250 - 1000 × 200 mm.
- Volume flow rate range 200 – 1400 CFM Or 0.0944 - 0.06607 m³/sec.
- Energy-efficient and acoustically optimised air discharge.
- Symmetric blade profile for two-way entry flow.
- Uniform look and easy adjustment due to concealed blade linkage.
- Gently sloped border construction, almost completely flush with the installation surface.
- Linear look, ideal for continuous horizontal runs.
- Use of existing rear assemblies.
- Easy replacement of existing grilles due to standard installation dimensions.
- Optional equipment and accessories.
- Installation sub frame.
- Attachments for volume flow rate balancing and air direction control.
- Concealed screw fixing.
- Spring clip fixing.



- Ventilation grille of Type X-GRILLE Basic as supply air or extract air variant for comfort zones and industrial zones.
- Attractive design element for building owners and architects with demanding aesthetic requirements.
- Directed supply air discharge for mixed flow ventilation.
- Blades are adjustable to meet different local requirements.
- For variable and constant volume flows.
- For supply air to room air temperature differences from -12 to +4 K.
- For installation in walls, sills and rectangular Ducts.

Fixing :

- Concealed screw fixing.
- Spring clip fixing.
only with installation sub frame.

Accessories :

- Installation sub frame: for the fast and simple installation of ventilation grilles.

Standards and guidelines :

- Sound power level of the air-regenerated noise measured according to EN ISO 5135.

Technical data :

Nominal sizes	200 × 250 to 1000 × 200 mm
Horizontal run section	H: 100, 125, 150, 200..... 450 mm
Minimum volume flow rate	200 CFM Or 0.0944 m³/sec
Maximum volume flow rate, with L _{WA} max. 40 dB(A) without attachments	1400 CFM Or 0.06607 m³/sec
Supply air to room air temperature difference	-12 to +4 K

Air Grill Supply Double Deflection

0° & 45° deflection – 20 mm spacing.

CFM	size in mm	250 x 200		250 x 250		300 x 250		300 x 300		350 x 300	
		350 x 150		300 x 200		450 x 175		350 x 250		400 x 250	
		400 x 125		400 x 150		500 x 150		450 x 200		500 x 200	
	Area factor	0.028		0.0324		0.039		0.0469		0.0528	
		0.0178		0.022		0.0288		0.0369		0.0422	
	Deflection	0°		45°		0°		45°		0°	
		45°		0°		45°		0°		45°	
200	Velocity	3.38	5.31	2.91	4.30	2.42	3.28	2.0	2.56		
	Pt mm H ₂ O	0.64	1.7	0.36	1.17	0.23	0.71	0.15	0.41		
	Throw in (M)	4.5-6.7	3.7-5.8	4.5-6.7	3.7-5.5	4.6-6.7	3.4-5.5	4.6-6.7	3.1-5.5		
	N.C	<15	<15	<15	<15	<15	<15	<15	<15		
250	Velocity	4.22	6.63	3.65	5.37	3.03	4.1	2.52	3.201	2.24	2.79
	Pt mm H ₂ O	0.99	2.64	0.58	1.83	0.36	1.12	0.23	0.61	0.18	0.41
	Throw in (M)	5.2-7.6	4.6-6.7	5.2-7.6	4.3-6.7	5.2-7.6	4.3-6.4	5.2-7.6	3.9-6.4	5.2-7.3	3.6-6.0
	N.C	15	21	<15	18	<15	<15	<15	<15	<15	<15
300	Velocity	5.06	7.96	4.37	6.44	3.63	4.92	3.02	3.84	2.68	3.36
	Pt mm H ₂ O	1.42	3.81	0.84	2.62	0.51	1.6	0.33	0.89	0.25	0.58
	Throw in (M)	5.8-8.2	5.2-7.3	5.8-8.2	5.2-7.3	5.8-8.2	4.8-7.3	5.8-8.2	4.8-7.3	5.5-7.9	4.9-7.0
	N.C	20	27	17	22	<15	19	<15	<15	<15	<15
400	Velocity	6.75	10.6	5.83	8.59	4.84	6.56	4.03	5.19	3.58	4.47
	Pt mm H ₂ O	2.51	6.73	1.47	4.67	0.91	2.87	0.61	1.6	0.46	1.07
	Throw in (M)	6.7-9.8	6.4-8.8	6.7-9.8	6.1-8.5	6.7-9.8	5.8-8.5	6.7-9.5	5.8-8.2	6.7-9.5	5.5-8.2
	N.C	29	36	24	27	19	21	<15	17	<15	<15
500	Velocity	8.44	13.27	7.29	10.74	6.06	8.2	5.036	6.4	4.47	5.59
	Pt mm H ₂ O	3.91	10.54	2.28	7.24	1.45	4.47	0.94	2.46	0.71	1.65
	Throw in (M)	7.3-10.9	6.7-9.2	7.3-10.9	6.7-9.1	7.6-11.0	6.4-9.1	7.9-11.3	6.4-9.1	7.6-11.3	8.2-9.1
	N.C	35	42	30	32	26	28	18	24	15	19
600	Velocity			8.75	12.88	7.27	9.84	6.04	7.68	5.37	6.72
	Pt mm H ₂ O			3.3	10.52	2.06	6.45	1.35	3.58	1.04	2.36
	Throw in (M)			8.5-12.2	7.0-10.0	8.5-12.2	7.0-10.0	8.5-12.2	7.0-10.0	8.5-12.2	6.7-10.1
	N.C			36	39	30	35	25	31	19	24
700	Velocity					8.48	11.48	7.05	8.96	6.26	7.84
	Pt mm H ₂ O					2.82	8.76	1.83	4.83	1.40	3.25
	Throw in (M)					9.1-13.1	7.6-10.9	9.1-13.1	7.6-11.0	9.1-13.1	7.6-10.9
	N.C					36	42	32	37	25	31
800	Velocity							8.05	10.24	7.16	8.95
	Pt mm H ₂ O							2.41	6.35	1.83	4.22
	Throw in (M)							9.8-14.0	8.2-11.9	9.8-13.7	8.2-11.9
	N.C							36	41	33	37
900	Velocity							9.06	11.52	8.05	10.07
	Pt mm H ₂ O							3.05	8.0	2.31	5.3
	Throw in (M)							10.0-14.6	8.5-12.5	10.0-14.6	8.4-12.5
	N.C							40	45	36	41

- Face velocity is measured in m/sec.
- Data based on one meter unit length of the grill with damper in full open position.
- Throw (meters) is measured for a terminal velocities of 0.25, 0.5 & 0.75 m/sec.
- Ps: static pressure loss is in mm of H₂O.
- NC based on a room attenuation of 10 db.

Air Grill Supply Double Deflection

0° & 45° deflection – 20 mm spacing.

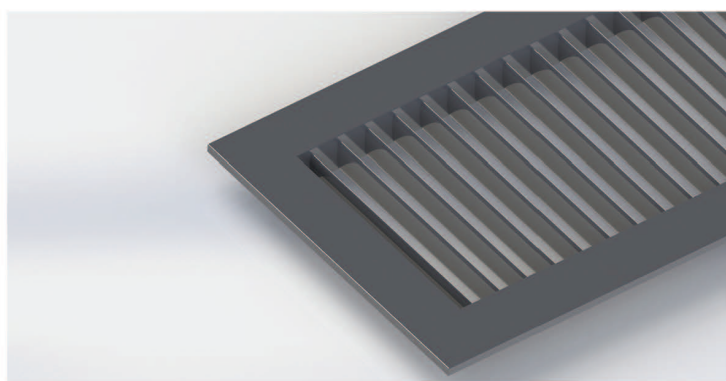
CFM	size in mm	350 x 350		400 x 400		500 x 350		450 x 450	
		400 x 300		500 x 300		600 x 300		500 x 400	
		500 x 250		600 x 250		900 x 200		800 x 250	
		900 x 150		750 x 200		1200 x 150		1000 x 200	
	Area factor	0.0633	0.0529	0.0827	0.072	0.0926	0.0853	0.1069	0.097
Deflection	0°	45°	0°	45°	0°	0°	0°	45°	
500	Velocity	3.73	4.47	2.86	3.28	2.46	2.77	2.21	2.43
	Pt mm H ₂ O	0.48	1.02	0.28	0.45	0.20	0.31	0.15	0.23
	Throw in (M)	7.3-10.9	5.8-9.1	6.7-10.7	5.5-9.1	9.5-10.4	5.2-9.1	6.1-10.1	4.9-8.8
	N.C	<15	16	<15	<15	<15	<15	<15	<15
600	Velocity	4.47	5.36	3.43	3.94	2.95	3.32	2.65	2.92
	Pt mm H ₂ O	0.71	1.45	0.41	0.63	0.31	0.43	0.23	0.31
	Throw in (M)	8.2-11.9	6.4-10.1	7.6-11.6	6.4-10.1	7.3-11.3	6.1-10.1	7.0-10.7	6.1-9.8
	N.C	16	20	<15	18	<15	15	<15	<15
700	Velocity	5.22	6.25	4.0	4.59	3.44	3.88	3.09	3.4
	Pt mm H ₂ O	0.96	1.98	0.56	0.86	0.41	0.56	0.31	0.43
	Throw in (M)	8.8-12.8	7.3-10.9	8.5-12.5	7.0-11.0	8.5-12.2	7.0-10.9	8.2-11.9	6.7-10.7
	N.C	22	26	19	23	16	20	15	19
800	Velocity	5.97	7.14	4.57	5.25	3.93	4.43	3.53	3.89
	Pt mm H ₂ O	1.27	2.59	0.71	1.14	0.53	0.74	0.38	0.56
	Throw in (M)	9.8-13.4	8.2-11.9	9.5-13.1	7.9-10.6	9.5-13.1	7.9-11.6	9.1-12.5	7.6-11.3
	N.C	30	32	26	28	21	25	20	24
900	Velocity	6.71	8.03	5.14	5.9	4.42	4.98	3.98	4.38
	Pt mm H ₂ O	1.60	3.25	0.91	1.45	0.68	0.94	0.48	0.71
	Throw in (M)	10.1-14.6	8.5-12.5	10.1-14.3	8.5-12.2	10.1-14.0	8.5-12.2	9.8-13.7	8.2-12.2
	N.C	33	36	30	33	25	30	24	29
1000	Velocity	7.44	8.92	5.69	6.55	4.92	5.55	4.45	4.86
	Pt mm H ₂ O	1.98	4.01	1.11	1.78	0.84	1.17	0.61	0.86
	Throw in (M)	10.7-15	9.1-13	10.4-15	9.1-13.1	10.4-14.6	9.1-13.1	10.1-14.3	9.2-13.1
	N.C	37	40	34	36	30	33	29	32
1100	Velocity	8.18	9.81	6.25	7.21	5.41	6.11	4.89	5.35
	Pt mm H ₂ O	2.39	4.88	1.35	2.16	1.02	1.42	0.74	1.07
	Throw in (M)	10.9-16	9.8-14	10.7-15	9.8-14	10.7-15.0	9.8-14	10.4-14.9	9.8-14
	N.C	40	45	36	40	33	36	32	35
1200	Velocity			6.83	7.87	5.91	6.67	5.35	5.84
	Pt mm H ₂ O			1.60	2.54	1.22	1.68	1.0	1.24
	Throw in (M)			11.3-16	10.4-15	11.3-15.9	10.4-14.9	11-15.2	10-14.8
	N.C			38	43	36	40	35	39
1400	Velocity			7.96	9.18	6.88	7.77	6.23	6.81
	Pt mm H ₂ O			2.18	3.51	1.65	2.28	1.19	1.73
	Throw in (M)			12.2-17	11-15.5	12.2-16.8	10.9-15.2	11.6-16.2	10.4-15
	N.C			44	49	41	44	40	43

- Face velocity is measured in m/sec.
- Data based on one meter unit length of the grill with damper in full open position.
- Throw (meters) is measured for a terminal velocities of 0.25, 0.5 & 0.75 m/sec.
- Ps: static pressure loss is in mm of H₂O.
- NC based on a room attenuation of 10 db.

Technical Data Single Deflection

The new air grill basic ventilation grilles with their gently sloped border combine function with an attractive design; they can be installed in walls, sills or rectangular ducts.

- Nominal sizes 100 × 250 - 1000 × 200 mm.
- Volume flow rate range 60 – 2200 CFM
Or 0.0283 - 1.039 m³/sec.
- Energy-efficient and acoustically optimised air discharge.
- Symmetric blade profile for two-way entry flow.
- Uniform look and easy adjustment due to concealed blade linkage.
- Gently sloped border construction, almost completely flush with the installation surface.
- Linear look, ideal for continuous horizontal runs.
- Use of existing rear assemblies.
- Easy replacement of existing grilles due to standard installation dimensions.
- Optional equipment and accessories.
- Installation sub frame.
- Attachments for volume flow rate balancing and air direction control.
- Concealed screw fixing.
- Spring clip fixing.



- Ventilation grille of Type X-GRILLE Basic as supply air or extract air variant for comfort zones and industrial zones.
- Attractive design element for building owners and architects with demanding aesthetic requirements.
- Directed supply air discharge for mixed flow ventilation.
- Blades are adjustable to meet different local requirements.
- For variable and constant volume flows.
- For supply air to room air temperature differences from -12 to +4 K.
- For installation in walls, sills and rectangular Ducts.

Fixing :

- Concealed screw fixing.
- Spring clip fixing.
only with installation sub frame.

Accessories :

- Installation sub frame: for the fast and simple installation of ventilation grilles.

Standards and guidelines :

- Sound power level of the air-regenerated noise measured according to EN ISO 5135.

Technical data :

Nominal sizes	100 × 250 to 1000 × 200 mm
Horizontal run section	H: 100, 125, 150, 200..... 500 mm
Minimum volume flow rate	60 CFM Or 0.0283 m³/sec
Maximum volume flow rate, with L _{WA} max. 40 dB(A) without attachments	2200 CFM Or 1.039 m³/sec
Supply air to room air temperature difference	-12 to +4 K

Reurn Air Grill Single Deflection

45° deflection – 20 mm spacing.

size in mm	Velocity (m/sec)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
	Ps mm H ₂ O	0.91	1.63	2.54	3.68	4.97	6.5	8.33	10.16
250x100 / 200x125 / 150x150	CFM	60	80	100	120	140	160	180	200
	M ³ /sec	0.0283	0.0378	0.0472	0.0567	0.0661	0.0756	0.085	0.0945
	NC	<15	16	24	27	31	36	41	46
200x150 / 250x125 / 300x100	CFM	81	108	135	162	189	216	243	270
	M ³ /sec	0.0383	0.051	0.0638	0.0765	0.0893	0.102	0.1148	0.1275
	NC	<15	16	24	27	31	36	41	46
250x150 / 300x125 / 400x100	CFM	102	136	170	204	238	272	306	340
	M ³ /sec	0.0482	0.0642	0.0803	0.0964	0.1124	0.1285	0.1445	0.1606
	NC	<15	15	24	27	31	36	41	46
300x150 / 350x125 / 450x100	CFM	120	160	200	240	280	320	360	400
	M ³ /sec	0.0567	0.0756	0.0945	0.1134	0.1322	0.1512	0.17	0.1889
	NC	<15	15	25	28	31	36	41	47
250x200 / 350x150 / 400x125 / 500x100	CFM	141	188	235	282	329	376	423	470
	M ³ /sec	0.0666	0.088	0.1109	0.1332	0.1554	0.178	0.199	0.222
	NC	<15	16	24	27	31	35	40	47
250x250 / 300x200 / 400x150 / 500x125 / 600x100	CFM	162	216	270	324	378	432	486	540
	M ³ /sec	0.0765	0.102	0.1275	0.153	0.1785	0.204	0.2295	0.255
	NC	<15	16	24	27	31	35	42	47
300x250 / 450x150 / 500x150 / 600x125 / 750x100	CFM	180	270	300	360	420	480	540	600
	M ³ /sec	0.085	0.1133	0.142	0.17	0.198	0.2267	0.255	0.2833
	NC	<15	17	23	27	31	35	40	46
300x300 / 350x250 / 450x200 / 600x150	CFM	240	320	400	480	560	640	720	800
	M ³ /sec	0.1133	0.151	0.1889	0.2267	0.2645	0.302	0.3401	0.3778
	NC	<15	18	23	27	31	35	40	47
350x300 / 400x250 / 500x200 / 750x150	CFM	300	400	500	600	700	800	900	1000
	M ³ /sec	0.1416	0.1889	0.236	0.283	0.331	0.3778	0.425	0.4723
	NC	<15	19	23	27	32	36	40	48
350x350 / 400x300 / 500x250 / 600x200 / 900x150	CFM	360	480	600	720	840	960	1080	1200
	M ³ /sec	0.17	0.2267	0.283	0.34	0.3967	0.453	0.51	0.5667
	NC	<15	21	24	27	32	36	40	48
400x350 / 550x250 / 700x200	CFM	420	560	700	840	980	1120	1260	1400
	M ³ /sec	0.198	0.264	0.331	0.397	0.463	0.529	0.595	0.661
	NC	<15	21	24	28	33	37	41	49
400x400 / 500x300 / 600x250 / 800x200	CFM	480	640	800	960	1120	1280	1440	1600
	M ³ /sec	0.2267	0.3023	0.3778	0.453	0.529	0.6046	0.68	0.7556
	NC	16	22	25	29	33	38	42	49
500x350 / 600x300 / 700x250 / 900x200 / 1000x150	CFM	540	720	900	1080	1260	1440	1620	1800
	M ³ /sec	0.255	0.3401	0.4251	0.51	0.51	0.6801	0.765	0.85
	NC	17	22	25	29	34	42	43	50
450x450 / 500x400 / 750x250 / 1000x200	CFM	600	800	1000	1200	1400	1600	1800	2000
	M ³ /sec	0.2834	0.3778	0.4723	0.5668	0.6612	0.7556	0.85	0.9446
	NC	18	23	26	30	35	43	41	50
500x500 / 550x450 / 750x300 / 900x250 / 1000x200	CFM	660	880	1100	1320	1540	1760	1980	2200
	M ³ /sec	0.3117	0.4156	0.5195	0.6234	0.7273	0.8313	0.935	1.039
	NC	18	23	27	31	36	40	44	52

- Face velocity is measured in m/sec.
- Data based on one meter unit length of the grill with damper in full open position.
- Throw (meters) is measured for a terminal velocities of 0.25, 0.5 & 0.75 m/sec.
- Ps: static pressure loss is in mm of H₂O.
- NC based on a room attenuation of 10 db.

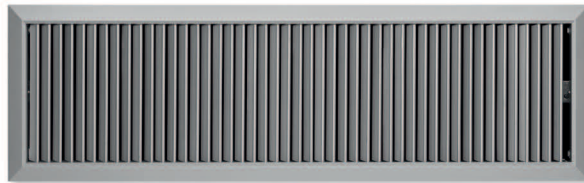
Return Air Grill Single Deflection

0° deflection – 20 mm spacing.

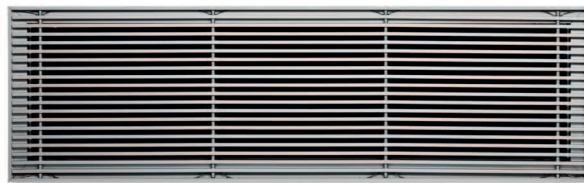
size in mm	Velocity (m/sec)	2.5	3.0	3.5	4.0	4.5	5.00	5.50	6.00
	Ps mm H ₂ O	1.7	2.46	3.35	4.37	5.59	6.86	8.38	9.9
250x100 / 200x125 / 150x150	CFM	150	180	210	240	270	300	330	360
	M ³ /sec	0.071	0.085	0.099	0.113	0.127	0.142	0.156	0.17
	NC	<15	19	22	25	29	33	36	38
200x150 / 250x125 / 300x100	CFM	180	210	240	280	320	350	390	420
	M ³ /sec	0.085	0.099	0.113	0.132	0.151	0.165	0.184	0.198
	NC	<15	18	22	26	29	33	35	37
250x150 / 300x125 / 400x100	CFM	220	260	310	350	400	440	490	530
	M ³ /sec	0.104	0.123	0.146	0.165	0.189	0.208	0.231	0.250
	NC	16	20	25	28	31	35	38	40
300x150 / 350x125 / 450x100	CFM	240	290	340	390	440	490	540	590
	M ³ /sec	0.113	0.137	0.161	0.184	0.208	0.231	0.255	0.279
	NC	15	20	24	27	30	34	37	40
250x200 / 350x150 / 400x125 / 500x100	CFM	270	320	370	420	480	530	590	640
	M ³ /sec	0.127	0.151	0.165	0.198	0.227	0.25	0.279	0.302
	NC	<15	17	21	24	28	31	35	38
250x250 / 300x200 / 400x150 / 500x125 / 600x100	CFM	310	370	430	490	550	610	680	740
	M ³ /sec	0.146	0.165	0.203	0.231	0.259	0.288	0.321	0.349
	NC	15	19	23	26	30	34	36	39
300x250 / 450x150 / 500x150 / 600x125 / 750x100	CFM	360	440	510	580	660	730	810	800
	M ³ /sec	0.17	0.208	0.241	0.274	0.312	0.345	0.382	0.416
	NC	15	20	24	27	31	34	37	39
300x300 / 350x250 / 450x200 / 600x150	CFM	420	500	590	670	750	840	930	1020
	M ³ /sec	0.198	0.236	0.279	0.316	0.354	0.397	0.439	0.482
	NC	<15	15	23	27	30	34	37	40
350x300 / 400x250 / 500x200 / 750x150	CFM	450	540	630	720	810	900	1000	1090
	M ³ /sec	0.213	0.255	0.297	0.34	0.382	0.425	0.472	0.514
	NC	<15	16	21	25	29	33	37	40
350x350 / 400x300 / 500x250 / 600x200 / 900x150	CFM	510	620	720	820	930	1030	1140	1240
	M ³ /sec	0.241	0.293	0.340	0.387	0.439	0.486	0.538	0.586
	NC	15	20	24	29	32	37	40	43
400x400 / 500x300 / 600x250 / 800x200	CFM	580	700	820	940	1050	1170	1290	1400
	M ³ /sec	0.274	0.331	0.387	0.444	0.496	0.553	0.609	0.661
	NC	15	20	25	30	34	38	41	44
500x350 / 600x300 / 700x250 / 900x200 / 1000x150	CFM	660	800	930	1060	1200	1330	1470	1600
	M ³ /sec	0.312	0.378	0.439	0.501	0.567	0.628	0.694	0.756
	NC	16	22	26	32	35	39	42	45
450x450 / 500x400 / 750x250 / 1000x200	CFM	700	840	980	1120	1270	1400	1550	1690
	M ³ /sec	0.331	0.397	0.463	0.529	0.599	0.661	0.732	0.798
	NC	16	21	25	30	33	35	39	43
500x500 / 550x450 / 750x300 / 900x250 / 1000x200	CFM	800	970	1130	1280	1440	1600	1770	1930
	M ³ /sec	0.378	0.458	0.533	0.605	0.68	0.756	0.836	0.912
	NC	18	23	27	33	38	40	43	45

- Face velocity is measured in m/sec.
- Data based on one meter unit length of the grill with damper in full open position.
- Throw (meters) is measured for a terminal velocities of 0.25, 0.5 & 0.75 m/sec.
- Ps: static pressure loss is in mm of H₂O.
- NC based on a room attenuation of 10 db.

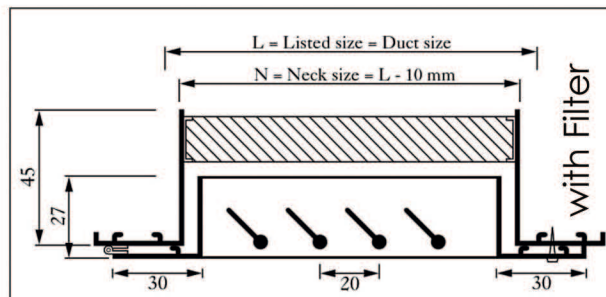
Option Items



Ventilation grilles, made of aluminum, with individually adjustable, vertical blades.



Ventilation grilles, made of aluminum, with fixed horizontal blades - also for horizontal runs.



Fresh air grille made of aluminum, with Filter frame 1 mm thick aluminum sheet.
Filter media: Aluminum mesh.

How To Order

