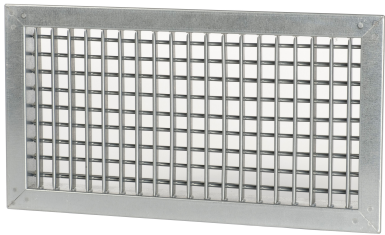


EBV Supply steel grilles 20 mm pitch



Description

Steel supply air jets with 1 or 2 rows of individually adjustable blades.

Characteristics

Material: steel.

Finish: galvanised.

Installation: with screws on frame.

Use

For air supply with wall or duct installation in ventilation and air conditioning systems.

Models

- EBV-VO with 2 rows of vertical and horizontal blades;
- EBV-OV with 2 rows of horizontal and vertical blades;
- EBV-V with 1 row of vertical blades;
- EBV-O with 1 row of horizontal blades.

Example: the VO version has the first vertical row near the front and the second horizontal row inside the air jet.

Accessories

- EPZ - Galvanised Plenum Box;
- EPI - Insulated Plenum Box;
- SC - Galvanised steel regulation damper with blades with opposing movement;
- CT - Galvanised steel counter-frame to set into wall.

On request

- RAL9016 painting or other RAL colours.
- Clips for wall installation.

Dimensions

Technical Drawing			
EBV-VO	EBV-OV	EBV-V	EBV-O

Cut-Out Dimensions (Optional)

Screw Fixing Holes (Optional).	Technical Drawing
Upon request, the grilles can be supplied with Ø4.5 mm fixing holes, pre-drilled in the frame according to the specified dimensions, allowing quick, secure, and stable installation using screws.	

Operating Data

- V_k : effective speed (m/s).
- $\dot{V}$ /h: flow rate.
- P_a : pressure drops in Pascal.
- L_1 (m): air throw referring to air jets without damper, with a blade deflection of 0°, with coanda (ceiling) effect, terminal velocity 0.25 m/s and T max 15°C.
- dB(A): noise level.

All dimensions are expressed in mm

Dimensions LxH	Effective Section	m³/h	L1	m³/h	L1
	m²				
200x100	0,013	100	3	160	5
300x100	0,018	140	3.7	230	5.6
400x100	0,025	200	4.5	320	6.8
500x100	0,033	260	6	420	8
300x150	0,029	230	4.3	370	7
400x150	0,039	310	5	500	8
500x150	0,051	400	5.8	640	9
600x150	0,059	470	6	750	9.5
300x200	0,044	350	5.5	560	8
400x200	0,057	450	5.8	720	9
500x200	0,071	560	6.5	900	10
600x200	0,086	680	9	1080	14
800x200	0,115	910	10	1450	15
1000x200	0,145	1150	9	1830	14
600x300	0,136	1080	9.6	1730	15
800x300	0,178	1410	10.5	2250	16
1000x300	0,226	1790	13	2860	18
600x400	0,180	1430	11	2290	17
800x400	0,245	1940	12	3080	18
1000x400	0,310	2460	16	3940	20
V (m/s)		2,2		3,5	

Noise Level dB(A)

V_k m/s	Deflection 0°	Deflection 20°	Deflection 40°
	dB(A)	dB(A)	dB(A)
2.2	15/20	18/23	20/25
3.5	20/25	23/28	25/30

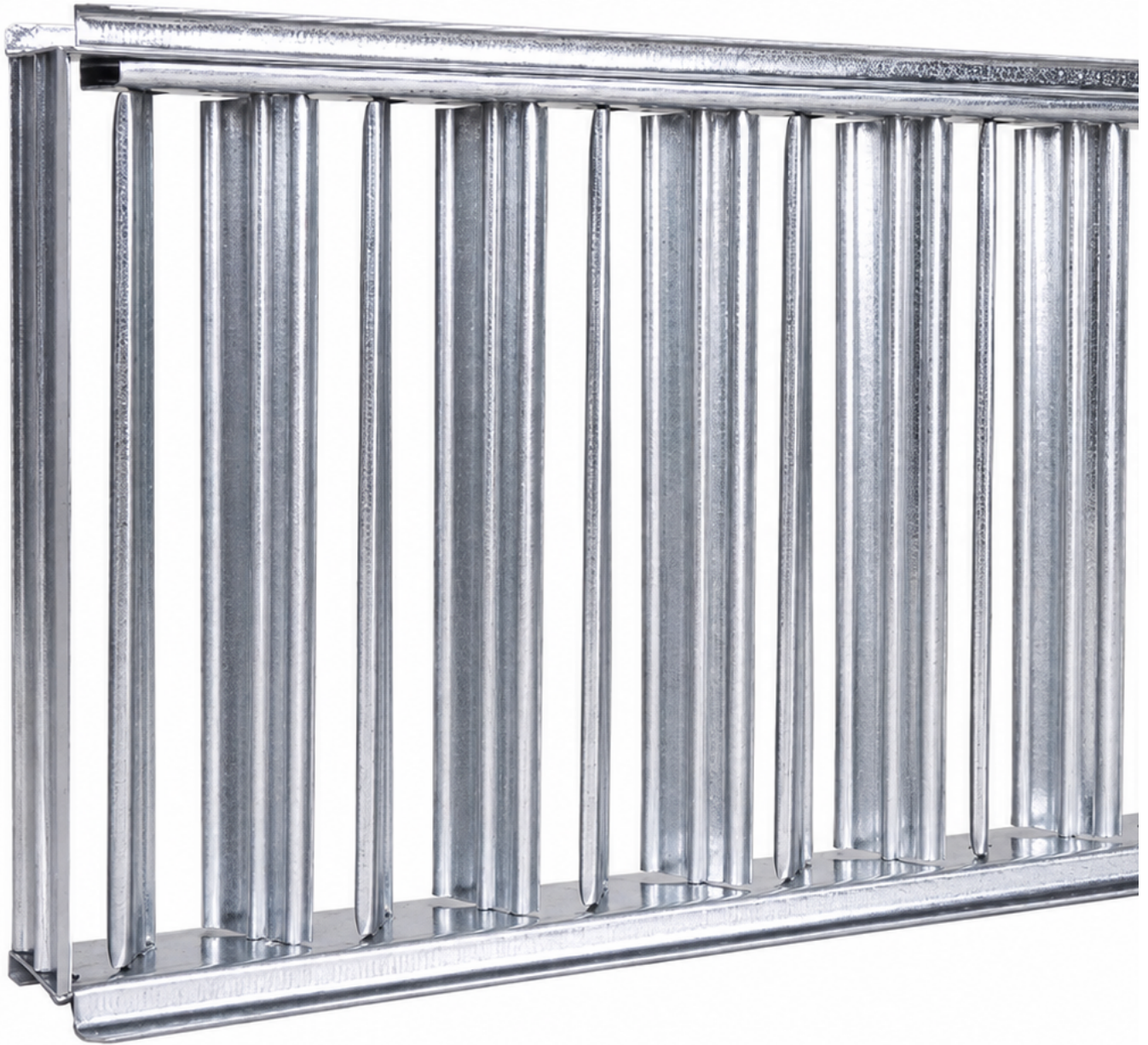
Pressure Drop (Pa)

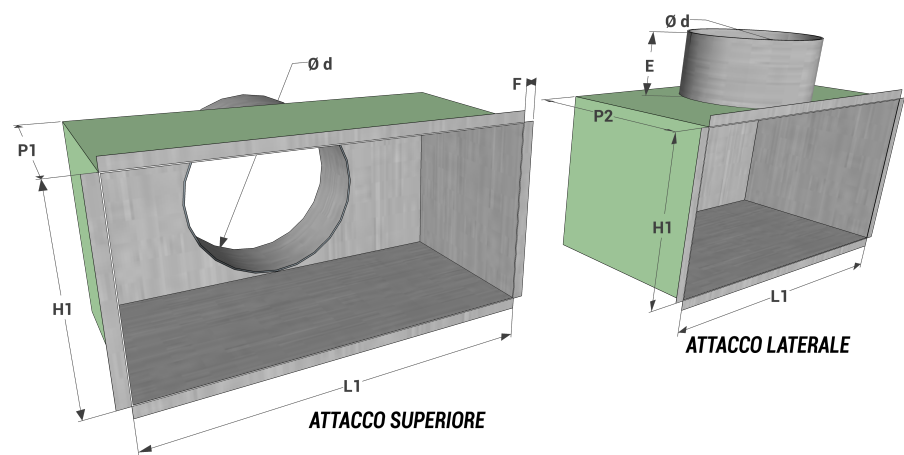
V_k m/s	Deflection 0°	Deflection 20°	Deflection 40°
	Pa	Pa	Pa
2.2	4	5.5	7
3.5	9	13	16

Accessories

SC - Volume Damper

This accessory allows the airflow supplied through the diffuser to be reduced, ensuring accurate airflow balancing. The damper is attached to the diffuser using the clips supplied with the diffuser. Opposed-blade balancing damper manufactured from galvanized steel. Maximum one-piece construction dimensions (L × H): 1000 × 600 mm.





Models L1 x H1	Top Connection			Lateral Connection			E	F	Models L1 x H1	Top Connection			Lateral Connection			E	F
	P1	Nr. Connections	Ø d	P2	Nr. Connections	Ø d				P1	Nr. Connections	Ø d	P2	Nr. Connections	Ø d		
200x100	200	1	98	200	1	98	80	12	500x200	200	1	198	300	1	198	80	12
300x100	200	1	98	200	1	98	80	12	600x200	200	2	198	300	2	198	80	12
400x100	200	2	98	200	2	98	80	12	800x200	200	2	198	300	2	198	80	12
500x100	200	2	98	200	2	98	80	12	1000x200	200	2	198	300	2	198	80	12
300x150	200	1	148	250	1	148	80	12	500x300	200	1	248	350	1	248	80	12
400x150	200	1	148	250	1	148	80	12	600x300	200	2	198	350	2	248	80	12
500x150	200	2	148	250	2	148	80	12	800x300	200	2	248	350	2	248	80	12
600x150	200	2	148	250	2	148	80	12	1000x300	200	2	248	350	2	248	80	12
800x150	200	2	148	250	2	148	80	12	600x400	200	2	198	350	2	248	80	12
300x200	200	1	198	300	1	198	80	12	800x400	200	2	298	350	2	298	80	12
400x200	200	1	198	300	1	198	80	12	1000x400	200	2	298	400	2	298	80	12

Price List

Dimensions	EBV-VO	EBV-OV	EBV-O	EBV-V
LxH	Eur	Eur	Eur	Eur
200x100	-	-	-	-
300x100	-	-	-	-
400x100	-	-	-	-
500x100	-	-	-	-
300x150	-	-	-	-
400x150	-	-	-	-
500x150	-	-	-	-
600x150	-	-	-	-
800x150	-	-	-	-
300x200	-	-	-	-
400x200	-	-	-	-
500x200	-	-	-	-
600x200	-	-	-	-
800x200	-	-	-	-
1000x200	-	-	-	-
500x300	-	-	-	-
600x300	-	-	-	-
800x300	-	-	-	-
1000x300	-	-	-	-
600x400	-	-	-	-
800x400	-	-	-	-
1000x400	-	-	-	-

Accessories

Dimensions	Top Connection		Lateral Connection		SC - Volume Damper	CT - Mounting-frame
	EPZ - Plenum Box	EPI - Insulated Plenum Box	EPZ - Plenum Box	EPI - Insulated Plenum Box		
L1xH1	Eur	Eur	Eur	Eur	Eur	Eur
200x100	-	-	-	-	-	-
300x100	-	-	-	-	-	-
400x100	-	-	-	-	-	-
500x100	-	-	-	-	-	-
300x150	-	-	-	-	-	-
400x150	-	-	-	-	-	-
500x150	-	-	-	-	-	-
600x150	-	-	-	-	-	-
800x150	-	-	-	-	-	-
300x200	-	-	-	-	-	-
400x200	-	-	-	-	-	-
500x200	-	-	-	-	-	-
600x200	-	-	-	-	-	-
800x200	-	-	-	-	-	-
1000x200	-	-	-	-	-	-
500x300	-	-	-	-	-	-
600x300	-	-	-	-	-	-
800x300	-	-	-	-	-	-
1000x300	-	-	-	-	-	-
600x400	-	-	-	-	-	-
800x400	-	-	-	-	-	-
1000x400	-	-	-	-	-	-