

# Louvred Wall Vent



## Louvred Wall Vent

In staircase and corridor applications where a roof vent isn't desirable or achievable, a vertical louvred wall vent can be utilised instead. A free area of either 1.0m<sup>2</sup> or 1.5m<sup>2</sup> would be required depending on the application.

### Features:

- CE Marked and tested to EN12101-2
- The base and body material is aluminium
- The louvre blade material can be aluminium or polycarbonate.
- The louvre blades can be single skin or double skin with insulation.
- Insulated louvre blades offer better U-values compared to single skin.
- Standard colour is mill finished aluminium however can be powder coated to any standard RAL colour.
- Glazing Adapters, Rear Fixing Flange and Front Fixing Flange Installation options are available.

### Product Specification:

- Aerodynamically tested to BS EN 12101-2:2003
- Life cycle tested to class RE1000 under BS EN 12101-2: 2003
- Will withstand wind loads of class WL1500 and snow loads of up to class SL500 under BS EN 12101-2:2003

### Sizes:

- See overleaf for size and free area chart.

### Product Application Guidance:

The SE Controls Contracting Team can advise on specific product requirements and any guidance required on installation or legislation related to this products. They can be contacted at: <https://www.secontrols.com/en-gb/contact/>.

# Standard Wall Louvre Sizes

## Free Area Tables & Technical Drawings

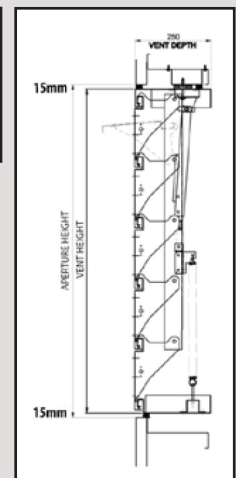
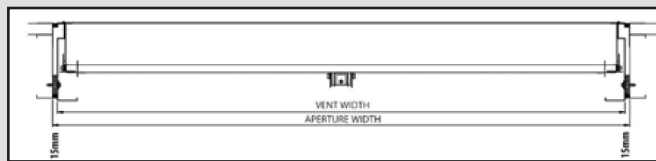
05 12 — Width Code  
— Length Code

Vent Width 500mm to 1200mm		Width Code	05		06		07		08		09		10		11		12	
Length Code	Vent Height	Vent Width	500		600		700		800		900		1000		1100		1200	
		Aperture Width	530		630		730		830		930		1030		1130		1230	
Length Code	Vent Height	Aperture Height	Av	AvCv	Av	AvCv	Av	AvCv	Av	AvCv	Av	AvCv	Av	AvCv	Av	AvCv	Av	AvCv
04	870	900	0.28	0.23	0.35	0.28	0.42	0.33	0.49	0.38	0.56	0.42	0.83	0.47	0.70	0.52	0.77	0.57
05	1070	1100	0.36	0.29	0.45	0.35	0.54	0.41	0.63	0.47	0.72	0.53	0.81	0.59	0.90	0.65	0.99	0.72
06	1270	1300	0.45	0.35	0.56	0.42	0.66	0.49	0.77	0.56	0.88	0.63	0.99	0.70	1.10	0.77	1.21	0.85
07	1470	1500	0.53	0.40	0.66	0.49	0.79	0.58	0.92	0.66	1.04	0.74	1.17	0.82	1.30	0.91	1.43	1.01
08	1670	1700	0.61	0.48	0.76	0.57	0.91	0.67	1.06	0.78	1.21	0.86	1.36	0.96	1.50	1.05	1.65	1.14
09	1870	1900	0.69	0.53	0.86	0.64	1.03	0.78	1.20	0.87	1.37	0.98	1.54	1.07	1.71	1.19	1.88	1.30
10	2070	2100	0.77	0.60	0.96	0.72	1.15	0.84	1.34	0.96	1.53	1.08	1.72	1.20	1.91	1.32	2.10	1.47
11	2270	2300	0.86	0.67	1.07	0.80	1.27	0.94	1.48	1.07	1.69	1.21	1.90	1.34	2.11	1.47	2.32	1.63
12	2470	2500	0.94	0.73	1.17	0.87	1.40	1.04	1.63	1.19	1.85	1.33	2.08	1.48	2.31	1.63	2.54	1.81
13	2670	2700	1.02	0.80	1.27	0.96	1.52	1.14	1.77	1.30	2.02	1.47	2.27	1.63	2.51	1.79	2.76	1.99
14	2870	2900	1.10	0.88	1.37	1.05	1.64	1.23	1.91	1.40	2.18	1.56	2.45	1.78	2.72	1.98	2.99	2.14
15	3070	3100	1.18	0.94	1.47	1.12	1.76	1.31	2.05	1.50	2.34	1.71	2.63	1.90	2.92	2.09	3.21	2.28
16	3270	3300	1.27	1.00	1.58	1.20	1.88	1.40	2.19	1.62	2.50	1.82	2.81	2.03	3.12	2.23	3.43	2.43
17	3470	3500	1.35	1.06	1.68	1.27	2.01	1.51	2.34	1.72	2.66	1.94	2.99	2.15	3.32	2.37	3.65	2.56

Vent Width 1300mm to 2000mm		Width Code	13		14		15		16		17		18		19		20	
Length Code	Vent Height	Vent Width	1300		1400		1500		1600		1700		1800		1900		2000	
		Aperture Width	1330		1430		1530		1630		1730		1830		1930		2030	
Length Code	Vent Height	Aperture Height	Av	AvCv	Av	AvCv	Av	AvCv	Av	AvCv	Av	AvCv	Av	AvCv	Av	AvCv	Av	AvCv
04	870	900	0.83	0.62	0.90	0.67	0.97	0.73	1.04	0.78	1.11	0.84	1.18	0.89	1.25	0.94	1.32	0.99
05	1070	1100	1.08	0.78	1.17	0.84	1.25	0.91	1.34	0.98	1.43	1.04	1.52	1.12	1.61	1.18	1.70	1.24
06	1270	1300	1.32	0.92	1.43	1.00	1.54	1.09	1.65	1.16	1.75	1.23	1.86	1.33	1.97	1.40	2.08	1.47
07	1470	1500	1.56	1.09	1.69	1.17	1.82	1.26	1.95	1.36	2.08	1.45	2.21	1.53	2.33	1.65	2.46	1.73
08	1670	1700	1.80	1.26	1.95	1.36	2.10	1.45	2.25	1.55	2.40	1.68	2.55	1.77	2.70	1.87	2.85	2.00
09	1870	1900	2.04	1.41	2.21	1.54	2.38	1.65	2.55	1.77	2.72	1.91	2.89	2.02	3.06	2.13	3.23	2.24
10	2070	2100	2.29	1.59	2.48	1.71	2.66	1.86	2.85	1.99	3.04	2.11	3.23	2.27	3.42	2.40	3.61	2.53
11	2270	2300	2.53	1.77	2.74	1.91	2.95	2.04	3.16	2.22	3.36	2.35	3.57	2.49	3.78	2.63	3.99	2.77
12	2470	2500	2.77	1.96	3.00	2.11	3.23	2.26	3.46	2.45	3.69	2.60	3.92	2.78	4.14	2.91	4.37	3.08
13	2670	2700	3.01	2.15	3.26	2.32	3.51	2.48	3.78	2.65	4.01	2.81	4.26	2.98	4.51	3.15	4.78	3.31
14	2870	2900	3.25	2.31	3.52	2.49	3.79	2.67	4.06	2.85	4.33	3.02	4.60	3.20	4.87	3.38	5.14	3.56
15	3070	3100	3.50	2.47	3.79	2.66	4.07	2.86	4.36	3.05	4.65	3.24	4.94	3.43	5.23	3.62	5.52	3.81
16	3270	3300	3.74	2.64	4.05	2.84	4.36	3.04	4.67	3.24	4.97	3.45	5.28	3.65	5.59	3.85	5.90	4.05
17	3470	3500	3.98	2.80	4.31	3.01	4.64	3.23	4.97	3.44	5.30	3.66	5.63	3.87	5.95	4.09	6.28	4.30

Av = Geometric Free Area (m2) - Performance may vary depending on the build of the blade as per Approved Doc B  
 AvCv = Areodynamic Free Area (m2) - Results obtained during EN12101 Part 2

### TYPICAL DETAILS OF WALL LOUVRE



### Unit Weights (kg) Typical configuration - Uninsulated blade/uninsulated body

Width Code	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
04	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00
05	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.50	23.25	24.25	25.50	26.50	27.50	29.00	30.25	31.00
06	17.50	18.50	19.50	20.50	21.50	22.50	23.75	25.00	26.25	27.25	28.50	30.25	32.00	33.50	34.50	35.50
07	18.75	19.50	21.25	22.50	23.75	25.00	26.25	27.00	28.25	29.50	31.00	32.25	33.50	35.00	36.25	37.50
08	20.25	21.50	23.25	24.50	25.75	27.00	28.50	30.00	31.25	32.50	34.00	35.25	36.50	38.00	39.50	41.00
09	21.75	23.00	24.50	26.00	27.75	29.00	30.50	32.00	33.50	35.00	36.50	38.00	39.50	41.00	42.50	44.00
10	23.50	25.00	27.00	28.50	30.00	31.50	33.00	34.50	36.00	37.50	39.50	41.00	42.50	44.00	45.75	47.50
11	25.25	27.50	29.50	30.75	32.00	33.50	35.25	37.00	38.50	40.00	42.00	43.75	45.50	47.00	48.00	49.00
12	27.00	29.25	30.50	32.00	33.75	35.50	37.25	39.25	41.00	43.00	45.00	46.75	48.50	51.00	52.75	54.00
13	28.50	30.00	32.00	34.00	36.00	38.00	40.00	42.00	43.50	45.00	47.50	49.50	51.50	53.00	54.00	56.00
14	31.50	33.50	35.50	37.50	39.00	40.50	42.25	44.00	45.50	47.25	49.50	51.00	53.00	55.00	56.00	59.00
15	34.50	36.25	37.75	39.25	40.75	42.25	43.50	45.00	47.50	49.50	51.50	53.25	55.00	56.50	58.00	61.50
16	37.25	39.50	41.25	42.75	44.25	45.75	47.00	48.25	49.75	51.50	53.50	55.50	57.00	58.00	60.50	63.75
17	40.50	42.00	43.25	44.75	46.25	47.75	49.00	50.25	51.75	53.50	55.50	57.00	58.50	60.50	62.25	67.00