

EXTRACT GRILLE SCHEDULE														
Project:	Sunlight House - Manchester													
Project No:	CSD1298													
Revision:	Rev 0													
Schedule No:	1298-CSD-ZZ-ZZ-SH-M-57005													
Date:	07.08.2024													
	LOCATION	AIR FLOW (litres/second)	MAX PRESSURE DROP	TYPE	THROW	AIR TEMPS	GRILLE SIZE	DUCT CONNECTION	DUCT VELOCITY	TOP/SIDE PLENUM	INTEGRAL VCD	CEILING TYPE	COLOUR	dBA
EV0/01	RECEPTION WC	18	7 Pa	AIR VALVE	N/A	19	125 Dia	150	1.02	N/A	N/A	MF	RAL 9010	
EV1/01	BOH ACCESSIBLE WC	18	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.47	N/A	N/A	MF	RAL 9010	
EV1/02	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV1/03	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV1/04	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV1/05	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV1/07	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV1/08	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV1/09	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV1/10	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV1/11	FOH ACCESSIBLE WC	13	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.06	N/A	N/A	MF	RAL 9010	
EV1/12	TEA POINT	60	7 Pa	AIR VALVE	N/A	19	200 Dia	200	1.91	N/A	N/A	WALL MOUNTED	RAL 9010	
EV1/13	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV1/14	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV1/15	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV1/16	CLEANERS	8	7 Pa	AIR VALVE	N/A	19	100 Dia	100	1.02	N/A	N/A	MF	RAL 9010	
TG05	FOH MALE WC	56	7 Pa	EGGCRATE	N/A	19	300X300	200	1.78	SIDE	N	MF	RAL 9010	
TG06	FOH FEMALE WC	68	7 Pa	EGGCRATE	N/A	19	300X300	200	2.16	SIDE	N	MF	RAL 9010	
EV2/01	BOH ACCESSIBLE WC	18	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.47	N/A	N/A	MF	RAL 9010	
EV2/02	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV2/03	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV2/04	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV2/05	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV2/07	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV2/08	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV2/09	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV2/10	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV2/11	FOH ACCESSIBLE WC	13	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.06	N/A	N/A	MF	RAL 9010	
EV2/13	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV2/14	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV2/15	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV2/16	CLEANERS	8	7 Pa	AIR VALVE	N/A	19	100 Dia	100	1.02	N/A	N/A	MF	RAL 9010	
TG05	FOH MALE WC	56	7 Pa	EGGCRATE	N/A	19	300X300	200	1.78	SIDE	N	MF	RAL 9010	
TG06	FOH FEMALE WC	68	7 Pa	EGGCRATE	N/A	19	300X300	200	2.16	SIDE	N	MF	RAL 9010	
EV3/01	BOH ACCESSIBLE WC	18	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.47	N/A	N/A	MF	RAL 9010	
EV3/02	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV3/03	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV3/04	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV3/05	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV3/07	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV3/08	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV3/09	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV3/10	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV3/11	FOH ACCESSIBLE WC	13	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.06	N/A	N/A	MF	RAL 9010	
EV3/13	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
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EV3/16	CLEANERS	8	7 Pa	AIR VALVE	N/A	19	100 Dia	100	1.02	N/A	N/A	MF	RAL 9010	
EV3/17	TEA POINT	60	7 Pa	AIR VALVE	N/A	19	200 Dia	200	1.91	N/A	N/A	EXPOSED	RAL 9010	
EV3/18	TEA POINT	60	7 Pa	AIR VALVE	N/A	19	200 Dia	200	1.91	N/A	N/A	EXPOSED	RAL 9010	
EV3/19	TEA POINT	60	7 Pa	AIR VALVE	N/A	19	200 Dia	200	1.91	N/A	N/A	EXPOSED	RAL 9010	
EV3/20	TEA POINT	60	7 Pa	AIR VALVE	N/A	19	200 Dia	200	1.91	N/A	N/A	EXPOSED	RAL 9010	
TG05	FOH MALE WC	56	7 Pa	EGGCRATE	N/A	19	300X300	200	1.78	SIDE	N	MF	RAL 9010	
TG06	FOH FEMALE WC	68	7 Pa	EGGCRATE	N/A	19	300X300	200	2.16	SIDE	N	MF	RAL 9010	
EV6/01	BOH ACCESSIBLE WC	18	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.47	N/A	N/A	MF	RAL 9010	
EV6/02	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV6/03	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV6/04	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV6/05	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV6/07	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
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EV6/11	FOH ACCESSIBLE WC	13	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.06	N/A	N/A	MF	RAL 9010	
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TG06	FOH FEMALE WC	68	7 Pa	EGGCRATE	N/A	19	300X300	200	2.16	SIDE	N	MF	RAL 9010	
EV7/01	BOH ACCESSIBLE WC	18	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.47	N/A	N/A	MF	RAL 9010	
EV7/02	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV7/03	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV7/04	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV7/05	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV7/07	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
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EV7/10	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV7/11	FOH ACCESSIBLE WC	13	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.06	N/A	N/A	MF	RAL 9010	
EV7/13	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
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EV7/16	CLEANERS	8	7 Pa	AIR VALVE	N/A	19	100 Dia	100	1.02	N/A	N/A	MF	RAL 9010	
TG05	FOH MALE WC	56	7 Pa	EGGCRATE	N/A	19	300X300	200	1.78	SIDE	N	MF	RAL 9010	

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	LOCATION	AIR FLOW (litres/second)	MAX PRESSURE DROP	TYPE	THROW	AIR TEMPS	GRILLE SIZE	DUCT CONNECTION	DUCT VELOCITY	TOP/SIDE PLENUM	INTEGRAL VCD	CEILING TYPE	COLOUR	dBA
TG06	FOH FEMALE WC	68	7 Pa	EGGCRATE	N/A	19	300X300	200	2.16	SIDE	N	MF	RAL 9010	
EV8/01	BOH ACCESSIBLE WC	18	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.47	N/A	N/A	MF	RAL 9010	
EV8/02	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV8/03	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV8/04	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV8/05	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV8/07	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV8/08	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV8/09	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV8/10	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV8/11	FOH ACCESSIBLE WC	13	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.06	N/A	N/A	MF	RAL 9010	
EV8/13	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV8/14	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV8/15	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV8/16	CLEANERS	8	7 Pa	AIR VALVE	N/A	19	100 Dia	100	1.02	N/A	N/A	MF	RAL 9010	
TG05	FOH MALE WC	56	7 Pa	EGGCRATE	N/A	19	300X300	200	1.78	SIDE	N	MF	RAL 9010	
TG06	FOH FEMALE WC	68	7 Pa	EGGCRATE	N/A	19	300X300	200	2.16	SIDE	N	MF	RAL 9010	
EV9/01	BOH ACCESSIBLE WC	18	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.47	N/A	N/A	MF	RAL 9010	
EV9/02	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
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EV9/10	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV9/11	FOH ACCESSIBLE WC	13	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.06	N/A	N/A	MF	RAL 9010	
EV9/13	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
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EV10/01	BOH ACCESSIBLE WC	18	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.47	N/A	N/A	MF	RAL 9010	
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EV10/05	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
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EV10/10	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
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EV11/11	FOH ACCESSIBLE WC	13	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.06	N/A	N/A	MF	RAL 9010	
EV11/13	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV11/14	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV11/15	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV11/16	CLEANERS	8	7 Pa	AIR VALVE	N/A	19	100 Dia	100	1.02	N/A	N/A	MF	RAL 9010	
TG05	FOH MALE WC	56	7 Pa	EGGCRATE	N/A	19	300X300	200	1.78	SIDE	N	MF	RAL 9010	
TG06	FOH FEMALE WC	68	7 Pa	EGGCRATE	N/A	19	300X300	200	2.16	SIDE	N	MF	RAL 9010	
EV12/01	BOH ACCESSIBLE WC	18	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.47	N/A	N/A	MF	RAL 9010	
EV12/02	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV12/03	BOH MALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV12/04	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV12/05	BOH FEMALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV12/07	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV12/08	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV12/09	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV12/10	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV12/11	FOH ACCESSIBLE WC	13	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.06	N/A	N/A	MF	RAL 9010	
EV12/13	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV12/14	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV12/15	FOH MALE WC	19	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.55	N/A	N/A	MF	RAL 9010	
EV12/16	CLEANERS	8	7 Pa	AIR VALVE	N/A	19	100 Dia	100	1.02	N/A	N/A	MF	RAL 9010	
TG05	FOH MALE WC	56	7 Pa	EGGCRATE	N/A	19	300X300	200	1.78	SIDE	N	MF	RAL 9010	
TG06	FOH FEMALE WC	68	7 Pa	EGGCRATE	N/A	19	300X300	200	2.16	SIDE	N	MF	RAL 9010	
EV13/07	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV13/08	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV13/09	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	
EV13/10	FOH FEMALE WC	17	7 Pa	AIR VALVE	N/A	19	125 Dia	125	1.39	N/A	N/A	MF	RAL 9010	

EXTRACT GRILLE SCHEDULE

Project:	Sunlight House - Manchester
Project No:	CSD1298
Revision:	Rev 0
Schedule No:	1298-CSD-ZZ-ZZ-SH-M-57005
Date:	07.08.2024

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NOTES:

Series ECG

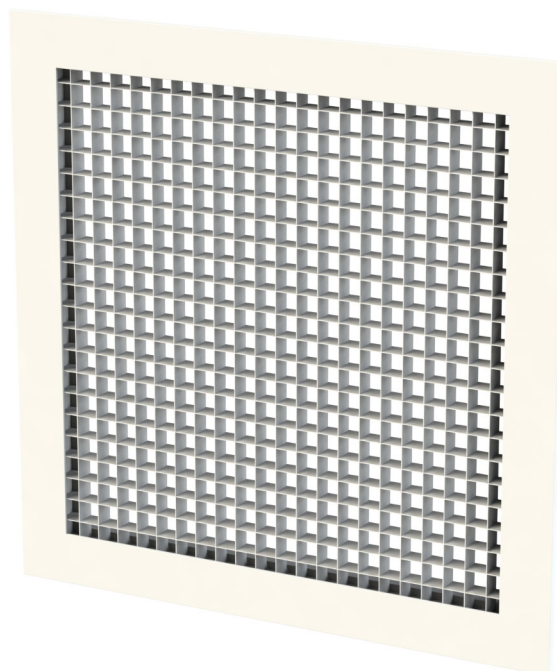
Series ECG egg crate grilles are the industry standard extract grille.

Comprising a core with over 90% free area with vanes parallel to airflow, egg crate grilles are capable of handling huge air volumes with minimal noise generation or pressure drop. Ideal for areas requiring high changeover rates like restaurant kitchens, painting booths etc.

With a similar high free area but with sight blocking properties, and the ability to give an angled throw if used for supply, a 45° core is available, as are a range of further options including removable or hinged cores to facilitate easy maintenance.

We hold large quantities of popular sizes of ECG in stock, giving us the capability to supply even the largest orders on a next day basis.

For non standard sizes, units are manufactured to order.



Design features

Material	Aluminium frame and core
Frame	Standard: 30FE - 30mm flat Optional: 37BE - 37mm bevelled 50FE - 50mm flat SMS - Surface mounted small
Sizes	Minimum: 100mm x 50mm 150mm width/height with hinged/removable core Maximum: 2900mm x 2900mm Maximum core size is 1300mm x 1300mm, above this mullions will be used
Fixings	Standard: None Optional: See page 6
Finish	Standard: Satin anodised (AA5) frame (not with 50FE), mill aluminium core Optional: See page 8 Stock units are powder coated RAL9010
Mass/m² face area	4 kg 12 kg including opposed blade damper
Free area	Approx 90%

Quality assurance

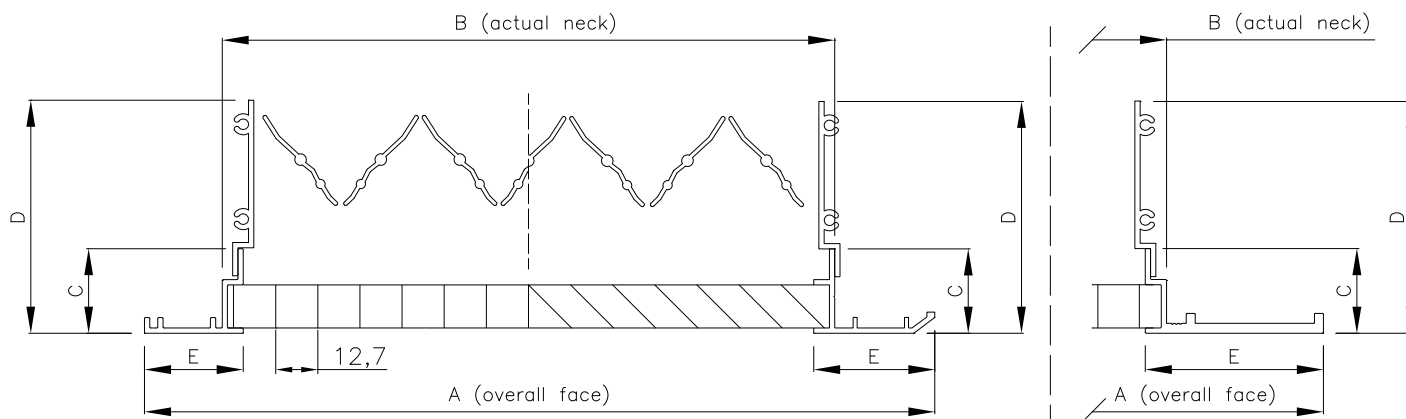
HVC Supplies (Stourbridge) Ltd is an ISO9001 certified company



Assessed to ISO 9001
Cert/Ref no. 1186

Technical drawings

Standard



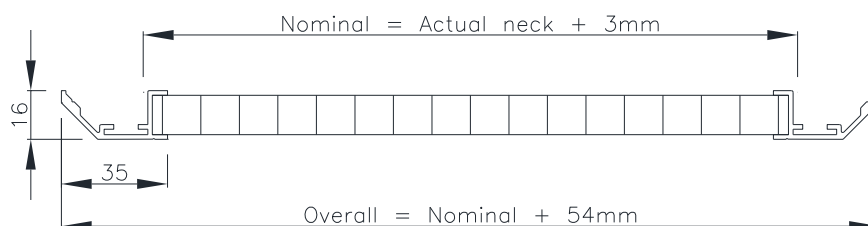
30FE: 30mm flat (standard)	
A	Nominal + 40mm
B	Nominal - 7mm
C	25mm
D	70mm
E	30mm

37BE: 37mm bevelled (optional)	
A	Nominal + 45mm
B	Nominal - 15mm
C	25mm
D	70mm
E	37mm

50FE: 50mm flat (optional)	
A	Nominal + 80mm
B	Nominal - 15mm
C	25mm
D	70mm
E	54mm

Note: For tile replacement sizes e.g. 595mm x 595mm overall or 1195mm x 595mm overall, a 30FE 30mm flat frame should be specified.

Surface mounted



Stocked sizes

The following sizes of Series ECG egg crate grilles are held in stock, with and without fitted opposed blade dampers, in RAL9010 finish and with pre-punched fixing holes, available for immediate despatch.

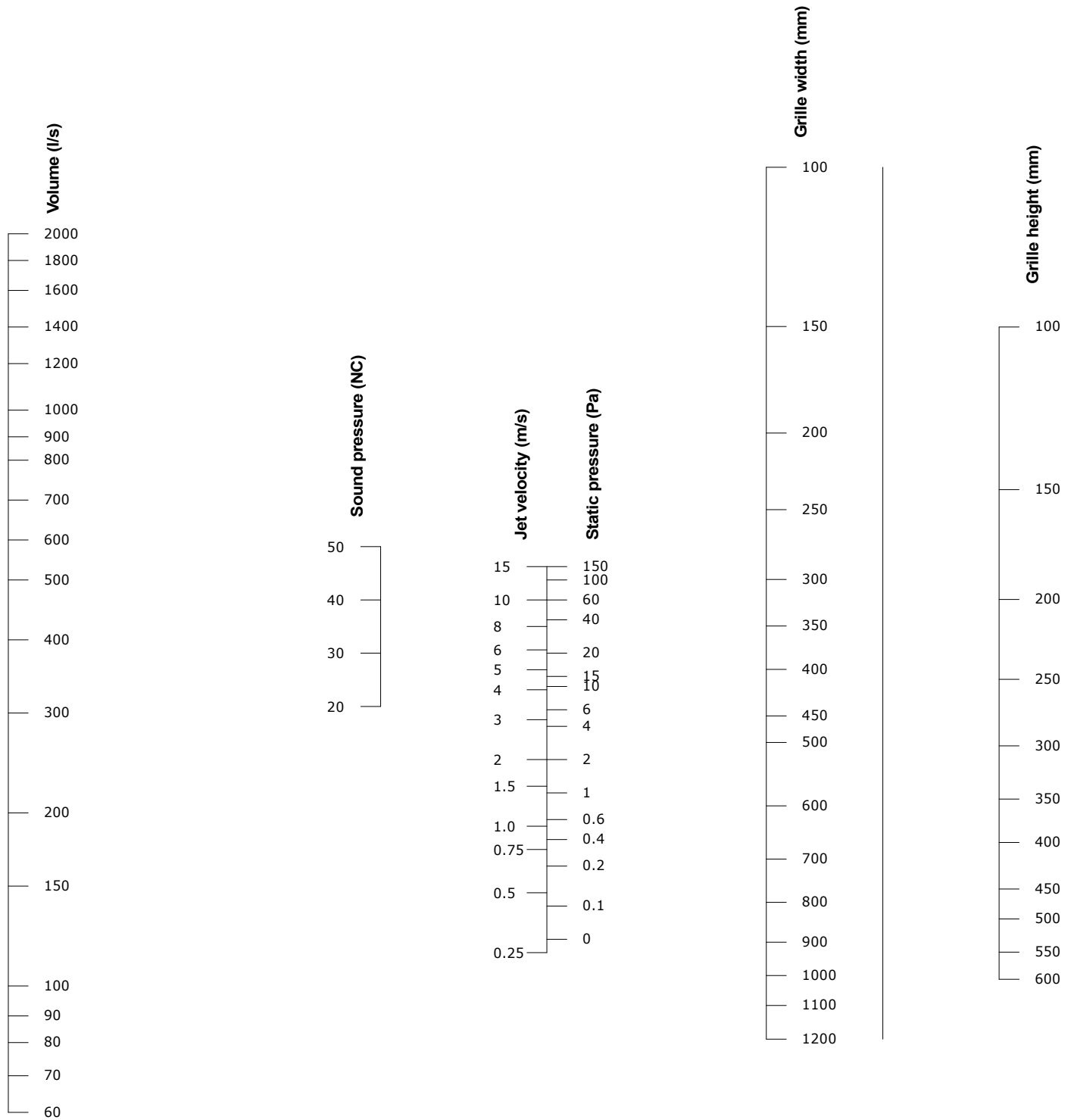
150mm x 150mm
200mm x 200mm
250mm x 250mm
300mm x 300mm
350mm x 350mm
400mm x 400mm
450mm x 450mm
500mm x 500mm
555mm x 555mm (595mm x 595mm overall face size tile replacer)

Tile replacer sizes have no fixing holes.

All sizes are nominal unless stated.

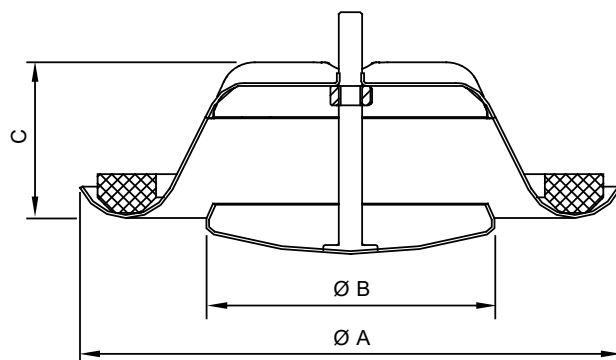
Product codes: ECG - 30FE - (FH) - RAL9010
(grille only)

ECG - 30FE - (FH) - D - RAL9010
(grille complete with fitted opposed blade damper)



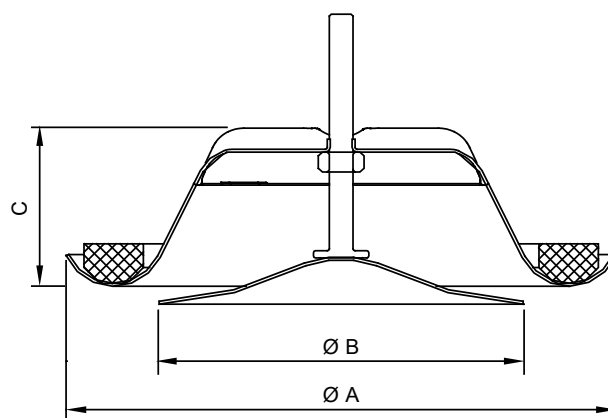
Technical drawings

GEV - Metal extract air valve



Size	A (mm)	B (mm)	C (mm)
100	140	75	40
125	170	99	46
150	202	119	54
160	202	119	54
200	254	157	64

GSV - Metal supply air valve



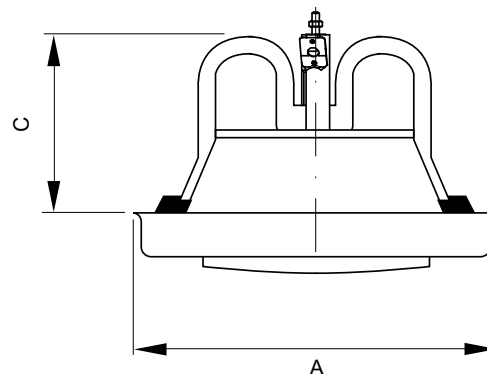
Size	A (mm)	B (mm)	C (mm)
100	140	92	40
125	170	111	46
150	202	135	54
160	202	194	54
200	254	194	64

Technical drawings

GEFV-CE - CE marked fire rated extract air valve

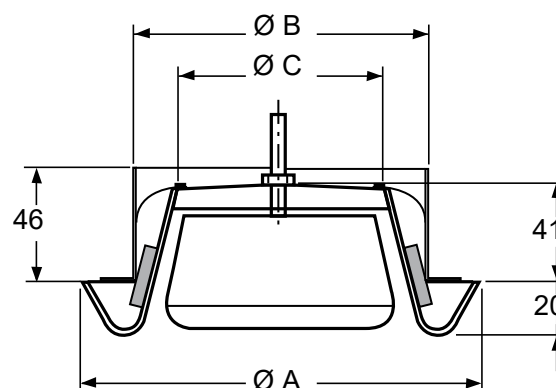
A fully certified CE marked air valve, assessed against the requirements of EN 15650:2010, and with fire resistance as follows:

- Installation in flexible wall:** Integrity: E 60
Smoke leakage: E 45 S
- Installation in rigid wall:** Integrity: E 120
Smoke leakage: E 120 S
- Installation in rigid floor:** Integrity: E 120
Smoke leakage: E 60 S



Size	A (mm)	C (mm)
100	134	74
125	160	85
150	191	89
160	191	89
200	241	107

PAV - Plastic extract air valve



Size	A (mm)	B (mm)	C (mm)
100	145	100	70
125	160	125	95
150	190	150	116
160	200	160	125
200	243	200	170

LOUVRE SCHEDULE

Project: Sunlight House - Manchester
Project No: CSD1298
Revision: Rev 1 (free area updated)
Schedule No: 1298-CSD-ZZ-ZZ-SH-M-57008
Date: 12.08.2024



	LOCATION	SYSTEM	SIZE	AIR FLOW (l/s)	MAX PRESSURE DROP (Pa)	FREE AREA	CLASS	INSECT SCREEN	BIRD GUARD	PLENUM	COLOUR
EL1/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL1/02	BOH Female WC	Female WC Extract	200x200	38	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL1/03	FOH Male WC	Tea Point Extract	255x315 (to suit window pane)	60	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL1/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	42%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL1/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL2/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL2/02	BOH Female WC	Female WC Extract	200x200	38	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL2/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	42%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL2/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL3/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL3/02	BOH Female WC	Female WC Extract	200x200	38	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL3/03	BOH Male WC	Tea Point Extract	250x250	60	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL3/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	42%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL3/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL3/06	BOH Female WC	Tea Point Extract	250x250	60	10	38%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL3/07	FOH Male WC	Tea Point Extract	255x315 (to suit window pane)	60	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL3/08	FOH Male WC	Tea Point Extract	255x315 (to suit window pane)	60	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL6/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL6/02	BOH Female WC	Female WC Extract	200x200	38	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL6/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	42%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL6/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL7/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL7/02	BOH Female WC	Female WC Extract	200x200	38	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL7/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	42%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL7/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL8/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL8/02	BOH Female WC	Female WC Extract	200x200	38	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL8/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	42%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL8/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL9/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL9/02	BOH Female WC	Female WC Extract	200x200	38	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL9/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	42%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL9/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL10/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL10/02	BOH Female WC	Female WC Extract	200x200	38	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL10/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	42%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL10/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL11/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL11/02	BOH Female WC	Female WC Extract	200x200	38	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL11/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	42%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL11/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL12/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL12/02	BOH Female WC	Female WC Extract	200x200	38	10	38%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL12/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	42%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL12/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL13/03	FOH Male WC	Tea Point Extract	255x315 (to suit window pane)	60	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL13/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	42%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL13/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	42%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
				-							

NOTES:

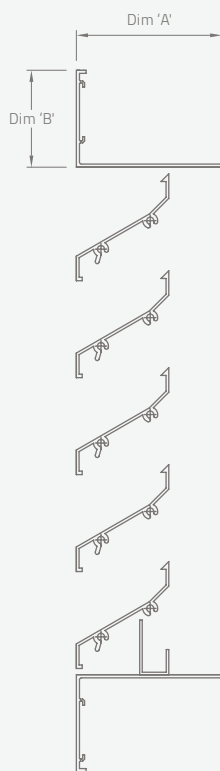
1. Any unused area of louvre to be sealed and thermally insulated by ductwork specialist

External Louvres

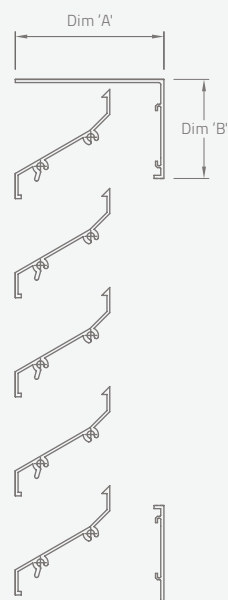
1600 Series ■ Standard Blade Type

The Advanced Air 1600 Series is an architecturally styled louvre designed with smooth, clean lines that visually compliment any structure's exterior styling. It is ideal for use in both standard and thin wall applications or a/c units. Suitable for use in exhaust and low to medium velocity intake applications, the J-style blade design features a rear water baffle and provides good protection against general weather conditions, with low pressure drop characteristics. Reinforcing bosses run the full length of each blade for superior strength. Available with flanged or recessed frames, the 1600 series design is styled to please and engineered to perform.

Standard Flanged Frame



Optional Recessed Frame



Models:	1638	38mm Blade Pitch	40mm Deep
	1650	50mm Blade Pitch	80mm Deep
	1675	75mm Blade Pitch	108mm Deep

Model	Dim A	Dim B
1638	40mm	30mm
1650	80mm	50mm
1675	108mm	50mm

1600 Series Construction

Frame:	Type 6063-T6 extruded aluminium.
Nominal wall thickness	Model 1638: 1.3mm Model 1650: 1.6mm Model 1675: 1.8mm
Blades:	Type 6063-T6 extruded aluminium.
Nominal wall thickness	Model 1638: 1.3mm Model 1650: 1.4mm Model 1675: 1.6mm
Effective Blade Angle:	45 degrees.
Blade Spacing:	Model 1638: 38mm Model 1650: 50mm Model 1675: 75mm
Blade Support Brackets:	On models 1650 and 1675 only, Concealed type, factory installed on rear of louvre on maximum 1000mm centres. Reinforced with extruded mullion.
Mullions:	Concealed architectural type.
Screen:	13mm x 13mm x 1.0mm ga. galvanised bird screen.
Finish:	Mill. Special Finishes are available.
Minimum Size:	Model 1638: 100mm wide x 100mm high Model 1650,1675: 200mm wide x 200mm high.
Maximum Size:	Model 1638: 1000mm wide x 1000mm High Model 1650, 1675: 2000mm wide x 2000mm high.

Larger sizes will be manufactured in sections with hidden architectural style rear mullions for assembly in the site.





Performance Data

Models: 1638SB, 1650SB & 1675SB ■ Free Area (m²)

Model: 1638SB

Height (m)	Width (m)									
	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00
0.20	0.02	0.03	0.05	0.06	0.08	0.09	0.11	0.12	0.14	0.15
0.40	0.03	0.07	0.10	0.14	0.17	0.21	0.24	0.27	0.31	0.34
0.60	0.05	0.11	0.16	0.21	0.27	0.32	0.37	0.43	0.48	0.53
0.80	0.08	0.15	0.23	0.30	0.38	0.46	0.53	0.61	0.68	0.76
1.00	0.10	0.19	0.29	0.38	0.48	0.57	0.67	0.76	0.86	0.95
1.20	0.11	0.23	0.34	0.46	0.57	0.68	0.80	0.91	1.03	1.14
1.40	0.13	0.27	0.40	0.53	0.67	0.80	0.93	1.06	1.20	1.33
1.60	0.16	0.31	0.47	0.62	0.78	0.93	1.09	1.25	1.40	1.56
1.80	0.17	0.35	0.52	0.70	0.87	1.05	1.22	1.40	1.57	1.75
2.00	0.19	0.39	0.58	0.78	0.97	1.16	1.36	1.55	1.74	1.94

Model: 1650SB

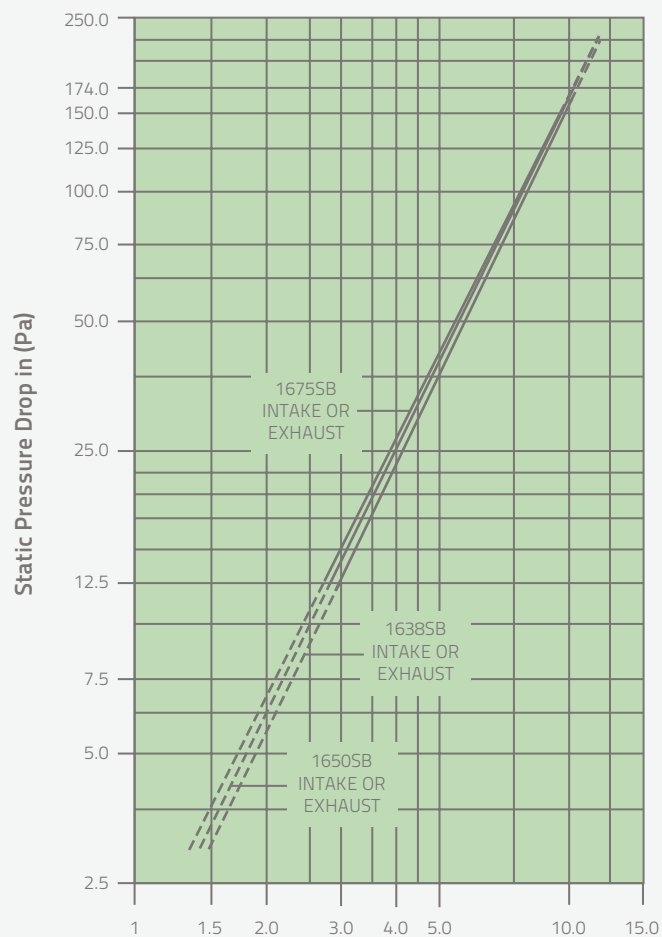
Height (m)	Width (m)									
	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00
0.20	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13	0.15
0.40	0.03	0.07	0.10	0.14	0.17	0.20	0.24	0.27	0.31	0.34
0.60	0.05	0.11	0.16	0.21	0.27	0.32	0.38	0.43	0.48	0.54
0.80	0.07	0.15	0.22	0.29	0.37	0.44	0.51	0.59	0.66	0.73
1.00	0.09	0.19	0.28	0.37	0.46	0.56	0.65	0.74	0.83	0.93
1.20	0.11	0.22	0.34	0.45	0.56	0.67	0.79	0.90	1.01	1.12
1.40	0.13	0.26	0.40	0.53	0.66	0.79	0.92	1.05	1.19	1.32
1.60	0.15	0.30	0.45	0.61	0.76	0.91	1.06	1.21	1.36	1.51
1.80	0.17	0.34	0.51	0.68	0.85	1.02	1.20	1.37	1.54	1.71
2.00	0.19	0.38	0.57	0.76	0.95	1.14	1.33	1.52	1.71	1.90

Model: 1675SB

Height (m)	Width (m)									
	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00
0.20	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.08	0.08
0.40	0.03	0.07	0.10	0.13	0.17	0.20	0.24	0.27	0.30	0.34
0.60	0.06	0.12	0.18	0.24	0.29	0.35	0.41	0.47	0.53	0.59
0.80	0.08	0.15	0.23	0.30	0.38	0.45	0.53	0.60	0.68	0.76
1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.71	0.81	0.91	1.01
1.20	0.13	0.25	0.38	0.50	0.63	0.76	0.88	1.01	1.13	1.26
1.40	0.14	0.29	0.43	0.57	0.71	0.86	1.00	1.14	1.29	1.43
1.60	0.17	0.34	0.50	0.67	0.84	1.01	1.18	1.34	1.51	1.68
1.80	0.19	0.39	0.58	0.77	0.97	1.16	1.35	1.55	1.74	1.93
2.00	0.21	0.42	0.63	0.84	1.05	1.26	1.47	1.68	1.89	2.10

Performance Data

Models: 1638SB, 1650SB & 1675SB
Pressure Drop



Face Velocity (m/s)

Louvre test size: 1220mm x 1220 mm.

Standard air density @ 1.20 kg/m³.

