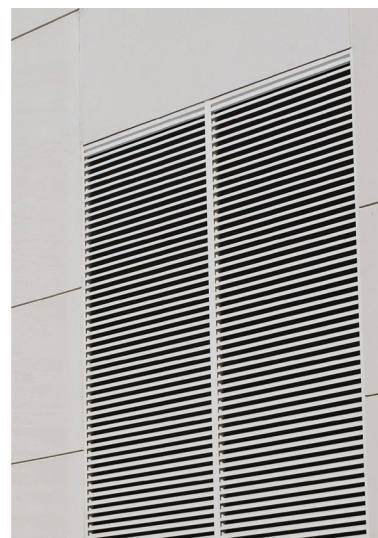




C&S Air Products

LOUVERS

ACOUSTICAL • BRICK VENT • COMBINATION • DRAINABLE
EQUIPMENT SCREENS • FORMED METAL • NON-DRAINABLE • OPERABLE
PENTHOUSES • SAND LOUVER • WIND-DRIVEN RAIN



C&S AIR PRODUCTS IS:

Innovation, quality, performance and service are what differentiate C&S's products among the competition. It is our experience, versatility, and ability to react quickly to our customer's needs which makes us the choice for architects and engineers.

HOW WE ARE DIFFERENT FROM THE COMPETITION:

- Ongoing commitment to personal and technical service
- Wide range of quality products
- Products delivered on time and on budget
- Innovative solutions for your design requirements
- Quick ship - when you need it FAST!
- Industry leading 5-year warranty

PRODUCT SELECTION GUIDE

MODEL	DEPTH	BLADE ANGLE	BLADE STYLE	FREE AREA	VELOCITY (fpm)	AIR VOLUME (cfm)	PAGE
NON-DRAINABLE LOUVERS							3
EJ-245	2"	45°	J	45.8%	942	6911	3
EJ-430	4"	30°	J	59.6%	1002	8549	3
EJ-437	4"	37.5°	J	55.5%	772	6853	3
EJ-437-HP (DRAINABLE HEAD)	4"	37.5°	HIGH PERFORMANCE J	56.3%	912	8220	3
EJ-445	4"	45°	J	50.1%	781	6317	3
EJ-637-HP (DRAINABLE HEAD)	6"	37.5°	HIGH PERFORMANCE J	56.3%	915	8226	3
EJ-645	6"	45°	J	50.6%	1155	9359	3
EK-430	4"	30°	K	59.6%	1002	8549	3
EK-437	4"	37.5°	K	55.5%	772	6853	3
EK-445	4"	45°	K	50.1%	781	6317	3
EK-637	6"	37.5°	K	54.6%	1157	10102	3
EY-245	2"	45°	INVERTED Y	30.8%	679	3351	3
EY-445	4"	45°	INVERTED Y	34.8%	834	4649	3
DRAINABLE LOUVERS							4
EDD-445	4"	45°	DUAL DRAINABLE	50.4%	1026	8311	4
EDD-637	6"	37.5°	DUAL DRAINABLE	57.5%	1113	10242	4
ED-245	2"	45°	DRAINABLE	45.8%	973	7123	4
ED-435	4"	35°	DRAINABLE	58.1%	966	8984	4
ED-437	4"	37.5°	DRAINABLE	58.1%	903	8398	4
ED-445	4"	45°	DRAINABLE	50.4%	1026	8311	4
ED-635	6"	35°	DRAINABLE	60.7%	1250	12138	4
ED-637	6"	37.5°	DRAINABLE	57.5%	1113	10242	4
ED-645	6"	45°	DRAINABLE	54.6%	1009	8811	4
ERD-645	6"	45°	RECESSED-DRAINABLE	50.6%	990	8059	4
WIND-DRIVEN RAIN LOUVERS							5
ECD-245	2"	45°	HORIZONTAL	41.3%	1172	7744	5
ECD-445	4"	45°	HORIZONTAL	42.7%	1250	8538	5
ECD-545	5"	45°	HORIZONTAL	46.3%	1250	9250	5
ECD-635	6"	35°	HORIZONTAL	53.8%	1217	10508	5
ECD-745	7"	45°	HORIZONTAL	50.6%	1218	9866	5
WIND-DRIVEN RAIN LOUVERS (VERTICAL BLADES)							
EV-245	2"	45°	VERTICAL	41.5%	1250	8299	6
EV-445	4"	45°	VERTICAL	42.9%	1250	8575	6
EV-545	5"	45°	VERTICAL	41.9%	1250	8375	6
EV-645	6"	45°	VERTICAL	46.0%	1250	9250	6
EJ-745	7"	45°	HORIZONTAL J	43.8%	1250	8755	6

PRODUCT SELECTION GUIDE (CONT)

MODEL	DEPTH	BLADE ANGLE	BLADE STYLE	FREE AREA	VELOCITY (fpm)	AIR VOLUME (cfm)	PAGE
OPERABLE LOUVERS							7
EOD-445	4"	45°	OPERABLE-DRAINABLE	43.1%	1024	7096	7
EOD-637	6"	37.5°	OPERABLE-DRAINABLE	57.5%	990	9108	7
EO-445	4"	45°	OPERABLE-J	49.4%	683	5396	7
EO-637	6"	37.5°	OPERABLE-J	56.3%	810	7282	7
SOJ-445	4"	45°	FORMED OPERABLE-J	46.9%	775	5813	7
CONCEALED MOTOR LOUVERS							8
COMBINATION LOUVERS							8
EE-445	4"	45°	J-BD-EXHAUST	49.4%	689	5396	8
EI-445	4"	45°	J-BD-INTAKE	49.4%	689	5396	8
EXA-645	6"	37.5°- 45°	COMBINATION	50.4%	1085	8756	8
EX-437	4"	37.5°	COMBINATION	43.0%	1172	8134	8
EX-645	6"	37.5°- 45°	COMBINATION	44.4%	1050	7455	8
FORMED METAL LOUVERS							9
SE-245	2"	45°	J-BD-EXHAUST	41.0%	383	2528	9
SE-445	4"	45°	J-BD-EXHAUST	46.9%	775	5813	9
SI-445	4"	45°	J-BD-INTAKE	46.9%	775	5813	9
SD-445	4"	45°	DRAINABLE	53.1%	715	6092	9
SD-635	6"	35°	DRAINABLE	61.7%	815	8044	9
SJ-245	2"	45°	J	42.0%	603	4040	9
SJ-430	4"	30°	J	51.0%	847	6945	9
SJ-445	4"	45°	J	48.0%	775	5991	9
SJ-630	6"	30°	J	65.2%	825	8580	9
SJ-645	6"	45°	J	50.0%	800	6400	9
SK-445	4"	45°	K	48.0%	775	5991	9
SK-645	6"	45°	K	50.0%	800	6400	9
SV-445	4"	45°	CHEVRON	38.0%	600	3648	9
ACOUSTICAL LOUVERS							10
EAA-645	6"	45°	AIRFOIL	30.0%	980	4704	10
EAA-845	8"	45°	AIRFOIL	37.9%	649	3931	10
EAA-1245	12"	45°	AIRFOIL	26.3%	999	4196	10
EAJ-437	4"	37°	J	33.8%	740	3996	10
EAJ-637	6"	37°	J	32.5%	890	4637	10
FAA-1245	12"	45°	FORMED AIRFOIL	26.3%	999	4196	10
SAJ-835	8"	35°	FORMED-J	33.1%	808	4293	10
SAJ-1235	12"	35°	FORMED-J	30.6%	924	4528	10
SPECIALTY LOUVERS							11
EBV-145	1.5"	45°	J	-	-	-	11
EBV-445	4"	45°	J	-	-	-	11
EVS-422	4"	22°	VERTICAL	15.6%	1250	3125	11
PENTHOUSES							11
EPJ-445	4"	45°	J	50.0%	689	5549	11
PEV-445	4"	45°	J	-	-	-	11
SIGHT SCREENS							12
HJ-445	4"	45°	HORIZONTAL-INVERTED-J	50.6%	-	-	12
HJ-645	6"	45°	HORIZONTAL-INVERTED-J	50.0%	-	-	12
HT-401	4"	-	HORIZONTAL AIRFOIL	60.0%	-	-	12
HZ-200	2.25"	45°	HORIZONTAL CLADDING	19.4%	-	-	12
VT-250	2.5"	-	VERTICAL-CLADDING	24.4%	-	-	12
VT-654	4"	-	VERTICAL-CLADDING	21.0%	-	-	12
VV-400	4"	-	VERTICAL-V	38.8%	-	-	12
VV-500	5"	-	VERTICAL-V	53.8%	-	-	12

Louver Project Cover Photos:

Top Left: Greenleaf Elementary School | Oakland, California
Top Center: Methodist Hospital for Surgery | Addison, Texas
Top Right: Wilshire Grand Center | Los Angeles, California
Middle Left: T-Mobile | Irvine, California

Center: Detail, Bank of America | Richmond, Virginia
Bottom Left: DuPont Fabros | Ashburn, Virginia
Bottom Center: Trefethen Family Vineyards | Napa, California
Bottom Right: Detail, Methodist Hospital for Surgery | Addison, Texas

NON-DRAINABLE LOUVERS

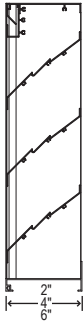
Available in a wide array of blade shapes and frame depths, non-drainable louvers offer value and economy for exhaust applications or intake conditions where protection against water

infiltration is not critical. Optional hidden mullions provide a continuous blade appearance on multiple section assemblies. Ideally suited for special shapes and transitional designs.

NON-DRAINABLE



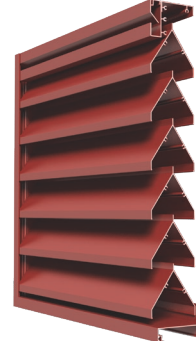
EJ-245
EJ-445
EJ-645
EK-445



EJ-430
EK-430



EJ-437
EK-437
EK-637



EY-245
EY-445



DRAINABLE HEAD



EJ-437-HP
EJ-637-HP



MODEL	DEPTH	BLADE ANGLE	BLADE STYLE	FREE AREA (%) (Sq. Ft.)	BEGINNING POINT OF WATER PENETRATION RATINGS		
					VELOCITY (ft/min)	AIRFLOW (cfm)	PRESSURE DROP (in. Wg.)
EJ-245	2"	45°	J	45.8% 7.3	942	6911	0.20
EJ-430	4"	30°	J	59.6% 9.6	1002	8549	0.16
EJ-437	4"	37.5°	J	55.5% 8.9	772	6853	0.09
EJ-437-HP	4"	37.5°	HIGH PERFORMANCE-J	56.3% 9.0	912	8220	0.14
EJ-445	4"	45°	J	50.1% 8.1	781	6317	0.10
EJ-637-HP	6"	37.5°	HIGH PERFORMANCE-J	56.3% 9.0	915	8226	0.12
EJ-645	6"	45°	J	50.6% 8.1	1155	9359	0.18
EK-430	4"	30°	K	59.6% 9.6	1002	8549	0.16
EK-437	4"	37.5°	K	55.5% 8.9	772	6853	0.09
EK-445	4"	45°	K	50.1% 8.1	781	6317	0.10
EK-637	6"	37.5°	K	54.6% 8.7	1157	10102	0.17
EY-245	2"	45°	INVERTED Y	30.8% 4.9	679	3351	0.34
EY-445	4"	45°	INVERTED Y	34.8% 5.6	834	4649	0.42

DRAINABLE LOUVERS

Drainable blade louvers are designed to prevent water penetration in non-wind-driven rain applications by collecting water in frame and blade gutters and channeling it into

downspouts and away from airflow. These models are available in a wide array of anodized and painted finishes including custom color matching.



EDD-445
ED-445



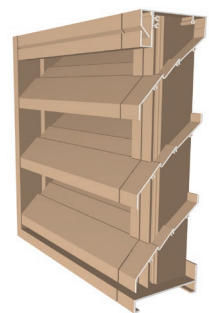
ED-437
ED-637
EDD-637



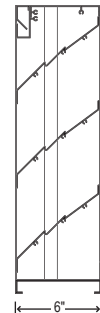
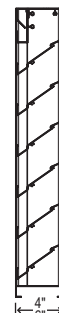
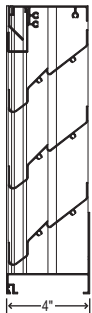
ED-245
ED-645



ED-435
ED-635



ERD-645



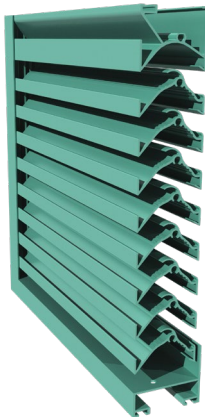
MODEL	DEPTH	ANGLE	BLADE STYLE	FREE AREA (%) (Sq. Ft.)	BEGINNING POINT OF WATER PENETRATION RATINGS		
					VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in. Wg.)
EDD-445	4"	45°	DUAL-DRAINABLE	50.4% 8.1	1026	8311	0.16
EDD-637	6"	37.5°	DUAL-DRAINABLE	57.5% 9.2	1113	10242	0.15
ED-245	2"	45°	DRAINABLE	45.8% 7.3	973	7123	0.14
ED-435	4"	35°	DRAINABLE	58.1% 9.3	966	8984	0.12
ED-437	4"	37.5°	DRAINABLE	58.1% 9.3	903	8398	0.13
ED-445	4"	45°	DRAINABLE	50.4% 8.1	1026	8311	0.16
ED-635	6"	35°	DRAINABLE	60.7% 9.7	1250	12138	0.20
ED-637	6"	37.5°	DRAINABLE	57.5% 9.2	1113	10242	0.15
ED-645	6"	45°	DRAINABLE	54.6% 8.7	1009	8811	0.13
ERD-645	6"	45°	RECESSED-DRAINABLE	50.6% 8.1	990	8059	0.11

WIND-DRIVEN RAIN LOUVERS

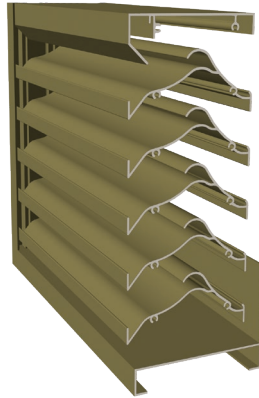
HORIZONTAL BLADES

Our horizontal blade louvers offer a traditional look and provide excellent protection against wind-driven rain under the most severe conditions. Designed to protect air intake and exhaust openings in building exterior walls that are sensitive to the

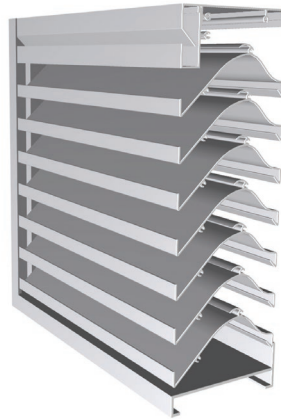
penetration of wind-driven rain. Available in depths ranging from 2 to 7 inches, these louvers are available in a wide array of anodized and painted finishes including custom color matching.



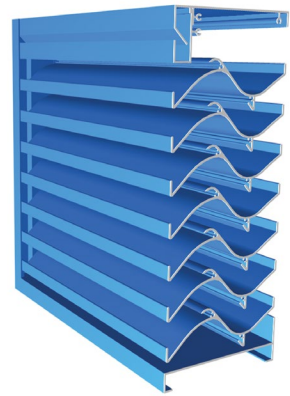
ECD-245



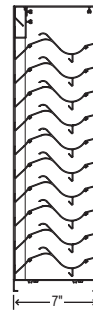
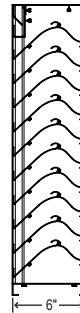
ECD-445
ECD-545



ECD-635



ECD-745



MODEL	DEPTH	BLADE STYLE	BLADE ANGLE	FREE AREA (% (Sq. Ft.))	AMCA 500L TEST					CLASS	BEGINNING POINT OF WATER PENETRATION RATINGS		
					RAINFALL (in/hr)	WIND SPEED (mph)	CORE VELOCITY (fpm)	AIRFLOW (cfm)	EFFECTIVENESS RATIO (%)		VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in. wg.)
ECD-245	2"	HORIZ	45°	41.3% 6.6	3	29	197	2123	99.0	A	1172	7744	0.37
					8	50	280	3011	95.0	B			
ECD-445	4"	HORIZ	45°	42.7% 6.8	3	29	397 / 691	4274 / 7435	99.0 / 97.0	A / B	1250	8538	0.32
					8	50	195 / 590	3088 / 6352	99.0 / 96.0	A / B			
ECD-545	5"	HORIZ	45°	46.3% 7.4	3	29	862	9276	99.4	A	1250	9250	0.24
					8	50	975	10502	95.3	B			
ECD-635	6"	HORIZ	35°	53.8% 8.6	3	29	186	1998	96.6	B	1217	10508	0.29
					8	50	493	5312	99.2	A			
ECD-745	7"	HORIZ	45°	50.6% 8.1	3	29	581	6260	99.6	A	1218	9866	0.57
					8	50	493	5312	99.2	A			

WIND-DRIVEN RAIN LOUVERS

VERTICAL BLADES

Our vertical blade louvers offer the best protection against wind-driven rain. They can provide a flowing, continuous curtain like appearance. The closely spaced blade design of the EV-545

provides 99.6% effectiveness at wind velocities of 50 mph and rainfall up to 8 in/hr. Our EV-645 offers 100% effectiveness at 50 mph with rainfall up to 8 in/hr.

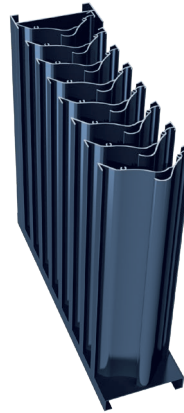
VERTICAL BLADES



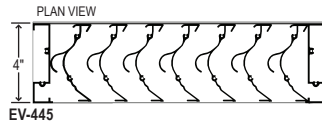
EV-245
THIN LINE



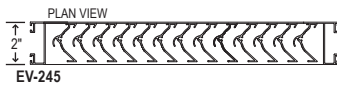
EV-445



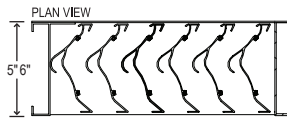
EV-545
EV-645



EV-445

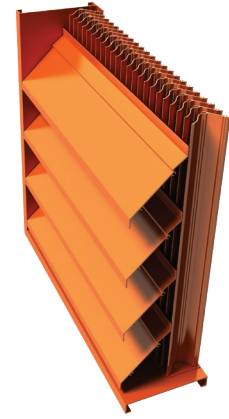


EV-245

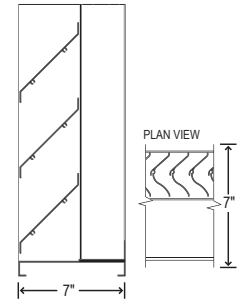


EV-545
EV-645

HORIZONTAL AND VERTICAL BLADES



EJ-745
J BLADE WITH VERTICAL
BLADE REAR SECTION



MODEL	DEPTH	BLADE STYLE	BLADE ANGLE	FREE AREA (%) (Sq. Ft.)	AMCA 500L TEST					CLASS	BEGINNING POINT OF WATER PENETRATION RATINGS		
					RAINFALL (in/hr)	WIND SPEED (mph)	CORE VELOCITY (fpm)	AIRFLOW (cfm)	EFFECTIVENESS RATIO (%)		VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in. Hg.)
EV-245	2"	VERT	45°	41.5% 6.6	3	29	592	6371	99.6	A	1250	8299	0.42
					8	50	399	4300	99.3	A			
EV-445	4"	VERT	45°	42.9% 6.9	3	29	682	7343	99.5	A	1250	8575	0.30
					8	50	404	4350	99.4	A			
EV-545	5"	VERT	45°	41.9% 6.7	3	29	683	7356	99.9	A	1250	8375	0.25
					8	50	881	9485	99.6	A			
EV-645	6"	VERT	45°	46.0% 7.4	8	50	965	10390	100	A	1250	9250	0.15
EJ-745	7"	HORIZ J	45°	43.8% 7.0	3	29	670	7211	99.3	A	1250	8755	0.47

OPERABLE LOUVERS

Operable blade louvers provide weather protection for open and positive shutoff when no airflow is required. These units incorporate center pivoted blades that can be controlled manually

with a pull chain, hand quadrant, or hand crank. They can also be controlled automatically with electric or pneumatic actuators.

OPERABLE EXTRUDED ALUMINUM



EOD-445



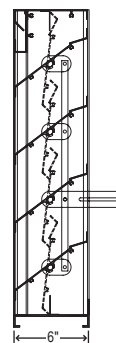
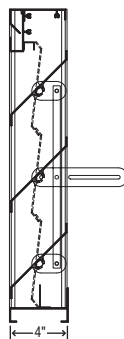
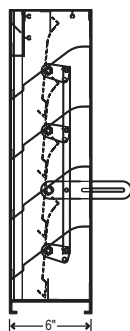
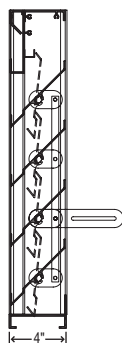
EOD-637



EO-445



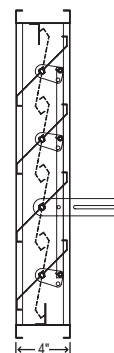
EO-637



OPERABLE FORMED



SOJ-445



MODEL	DEPTH	BLADE ANGLE	STYLE	MATERIAL	FREE AREA (%) (Sq. Ft.)	BEGINNING POINT OF WATER PENETRATION RATINGS		
						VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in. Wg.)
EOD-445	4"	45°	OPERABLE-DRAINABLE	EXTRUDED ALUMINUM	43.1% 6.9	1024	7096	0.16
EOD-637	6"	37.5°	OPERABLE-DRAINABLE	EXTRUDED ALUMINUM	57.5% 9.2	990	9108	0.11
EO-445	4"	45°	OPERABLE-J	EXTRUDED ALUMINUM	49.4% 7.9	683	5396	0.10
EO-637	6"	37.5°	OPERABLE-J	EXTRUDED ALUMINUM	56.3% 9.0	810	7282	0.12
SOJ-445	4"	45°	OPERABLE-J	GALVANNEALED STEEL	46.9% 7.5	775	5813	0.14

COMBINATION LOUVERS

Combination louvers feature stationary front blades and operable rear blades to ensure proper weather protection when open as well as a consistent appearance in both the open and closed positions. Optional low leakage seals provide further environmental protection in the closed position. These units incorporate center pivoted blades

that can be controlled manually with a pull chain, hand quadrant or hand crank. They can also be controlled automatically with electric or pneumatic actuators. The EE-445 and the EI-445 incorporate an integral gravity operated backdraft damper to protect exhaust or intake air openings in exterior walls.

CONCEALED MOTOR LOUVERS

OPERABLE



EO-445-CM
EO-637-CM
EOD-445-CM
EOD-637-CM

COMBINATION



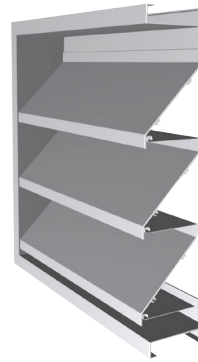
EX-437-CM
EX-645-CM
EXA-645-CM

C&S's Concealed Motor Louvers are designed to be used in any situation where our standard operable and combination louvers would be used, but where access to the actuator and hardware needs to be controlled or restricted. The actuator is concealed in the sill of the louver and can be accessed through the interior (by default) or has the option to be accessed through the exterior of the louver.

COMBINATION EXTRUDED ALUMINUM



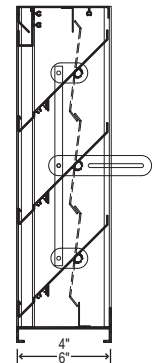
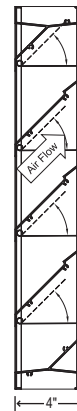
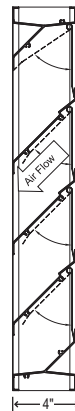
EE-445



EI-445



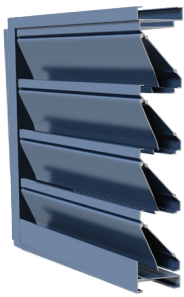
EX-437
EX-645
EXA-645



MODEL	DEPTH	BLADE ANGLE	BLADE STYLE	FREE AREA (%) (Sq. Ft.)	BEGINNING POINT OF WATER PENETRATION RATINGS		
					VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in. Wg.)
EE-445	4"	45°	J-BD-EXHAUST	49.4% 7.9	689	5396	0.10
EI-445	4"	45°	J-BD-INTAKE	49.4% 7.9	689	5396	0.10
EXA-645	6"	37.5° - 45°	COMBINATION	50.4% 8.1	1085	8756	0.11
EX-437	4"	37.5°	COMBINATION	43.0% 6.9	1172	8134	0.17
EX-645	6"	37.5° - 45°	COMBINATION	44.4% 7.1	1050	7455	0.19

FORMED METAL LOUVERS

Typically formed from galvanized steel, these units offer an economical solution for basic ventilation requirements. Available in a wide array of optional metals including copper and stainless steel. Our formed metal louvers can also serve to accent building architecture or withstand corrosion in caustic environments.



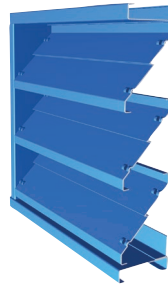
**SE-245
SE-445
SI-445**



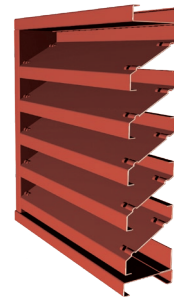
SD-445



SD-635



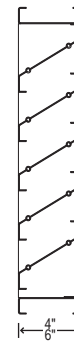
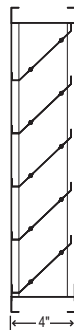
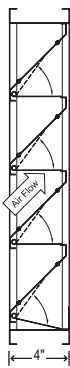
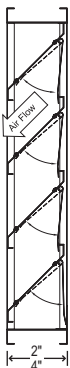
**SJ-245
SJ-445
SJ-645
SK-445
SK-645**



**SJ-430
SJ-630**



SV-445



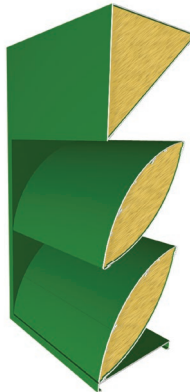
MODEL	DEPTH	BLADE ANGLE	BLADE STYLE	FREE AREA (%) (Sq. Ft.)	BEGINNING POINT OF WATER PENETRATION RATINGS		
					VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in. Wg.)
SE-245	2"	45°	J-BD-EXHAUST	41.0% 6.6	383	2528	0.08
SE-445	4"	45°	J-BD-EXHAUST	46.9% 7.5	775	5813	0.13
SI-445	4"	45°	J-BD-INTAKE	46.9% 7.5	775	5813	0.14
SD-445	4"	45°	DRAINABLE	53.1% 8.5	715	6092	0.11
SD-635	6"	35°	DRAINABLE	61.7% 9.9	815	8044	0.08
SJ-245	2"	45°	J	42.0% 6.7	603	4040	0.06
SJ-430	4"	30°	J	51.0% 8.2	847	6945	0.13
SJ-445	4"	45°	J	48.0% 7.7	775	5991	0.13
SJ-630	6"	30°	J	65.2% 10.4	825	8580	0.08
SJ-645	6"	45°	J	50.0% 8.0	800	6400	0.09
SK-445	4"	45°	K	48.0% 7.7	775	5991	0.13
SK-645	6"	45°	K	50.0% 8.0	800	6400	0.09
SV-445	4"	45°	CHEVRON	38.0% 6.1	600	3648	0.25

ACOUSTICAL LOUVERS

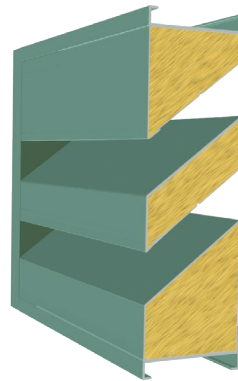
Recommended for installation in noisy environments, acoustical louvers incorporate insulated blades that restrict sound transmission through the louver over a range of frequencies. Our airfoil blade designs offer lower static pressure loss and softer aesthetics for critical airflow performance applications.



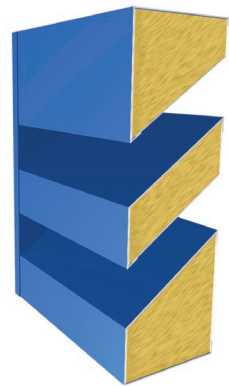
EAA-645
EAA-845



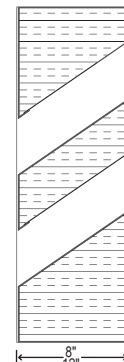
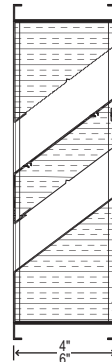
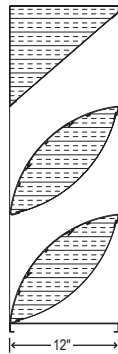
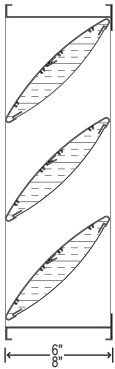
EAA-1245
FAA-1245



EAJ-437
EAJ-637



SAJ-835
SAJ-1235



MODEL	DEPTH	BLADE ANGLE	BLADE STYLE	NOISE REDUCTION						FREE AREA		BEGINNING POINT OF WATER PENETRATION RATINGS		
				125	250	500	1K	2K	4K	(%)	(Sq. Ft.)	VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in. Wg.)
EAA-645	6"	45°	AIRFOIL	11	11	13	16	18	17	30.0%	4.8	980	4704	0.10
EAA-845	8"	45°	AIRFOIL	8	8	10	14	15	13	37.9%	6.1	649	3931	0.03
EAA-1245	12"	45°	AIRFOIL	13	14	17	19	18	17	26.3%	4.2	999	4196	0.09
EAJ-437	4"	37°	J	11	10	12	17	18	17	33.8%	5.4	740	3996	0.06
EAJ-637	6"	37°	J	10	10	12	22	20	19	32.5%	5.2	890	4637	0.15
FAA-1245	12"	45°	FORMED - AIRFOIL	13	14	17	19	18	17	26.3%	4.2	999	4196	0.09
SAJ-835	8"	35°	FORMED - J	13	13	19	26	28	23	33.1%	5.3	808	4293	0.07
SAJ-1235	12"	35°	FORMED - J	12	14	18	21	19	16	30.6%	4.9	924	4528	0.08

SPECIALTY PRODUCTS

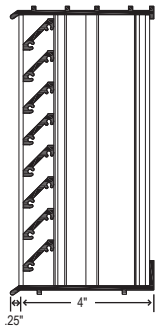
Brick vents are used primarily on renovation projects and provide a permanent means of gravity ventilation for crawl spaces, hung ceilings, foundations, pipe spaces and corridors. Our EVS-422 is ideally suited for high wind areas that are sensitive

to wind-driven sand penetration. The EPJ-445 penthouse serves frequently as a gravity ventilator, fan discharge cap, fresh air intake cap, sight shield or pressure relief ventilator.

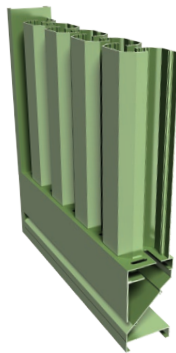
BRICK VENTS



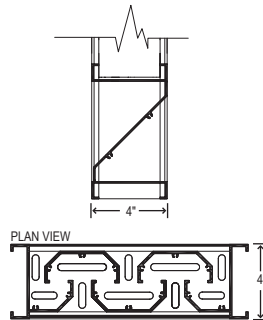
EBV-145
EBV-445



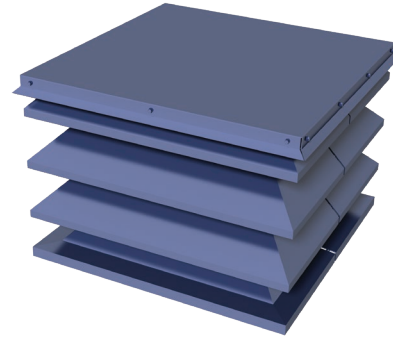
SAND LOUVER



EVS-422



PENTHOUSES



EPJ-445

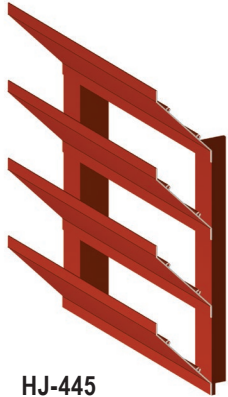


PEV-445
ELEVATOR VENTILATION PENTHOUSE

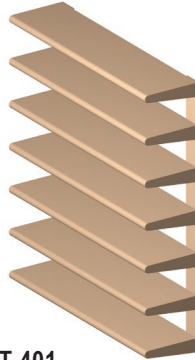
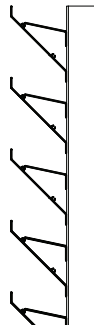
MODEL	DEPTH	BLADE ANGLE	BLADE STYLE	FREE AREA (%) (Sq. Ft.)	BEGINNING POINT OF WATER PENETRATION RATINGS		
					VELOCITY (fpm)	AIRFLOW (cfm)	PRESSURE DROP (in. Wg.)
EBV-145	1.5"	45°	J	—	—	—	—
EBV-445	4"	45°	J	—	—	—	—
EVS-422	4"	22°	VERTICAL	15.6% 2.5	1250	3125	1.00
PENTHOUSES							
EPJ-445	4"	45°	J	50.0% 8.0	689	5549	0.08
PEV-445	4"	45°	J	—	—	—	—

EQUIPMENT SCREENS

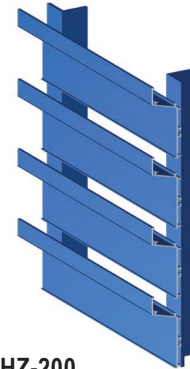
Whether the design calls for total sight concealment, partial screening, high volume airflow, specialty shapes, or thermal shading, our sight screens are engineered to meet the most stringent project parameters while satisfying our customer's aesthetic requirements.



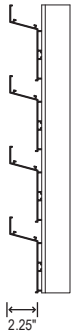
HJ-445
HJ-645



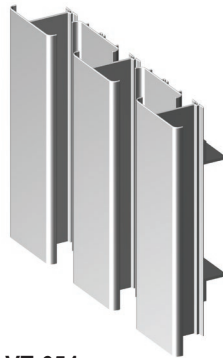
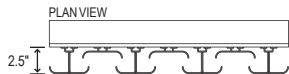
HT-401



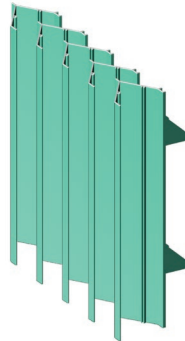
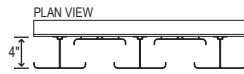
HZ-200



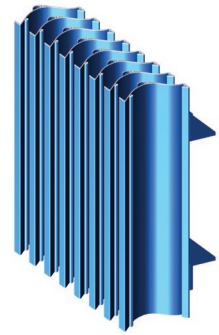
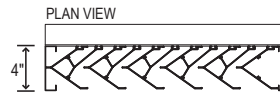
VT-250



VT-654



VV-400



VV-500



MODEL	DEPTH	BLADE ANGLE	BLADE	FREE AREA (%) (Sq. Ft.)
HJ-445	4"	45°	HORIZONTAL - INVERTED J	50.6% 8.1
HJ-645	6"	45°	HORIZONTAL - INVERTED J	50.0% 8.0
HT-401	4"	—	HORIZONTAL - AIRFOIL TUBE	60.0% 9.6
HZ-200	2.25"	45°	HORIZONTAL - CLADDING	19.4% 3.1
VT-250	2.5"	—	VERTICAL - CLADDING	24.4% 3.9
VT-654	4"	—	VERTICAL - CLADDING	21.0% 3.4
VV-400	4"	—	VERTICAL - V	38.8% 6.2
VV-500	5"	—	VERTICAL - V	53.8% 8.6

LOUVER SHAPES

C&S offers a complete line of louver options. Whether your project requires special architectural shapes, security burglar bars, flange or frame options, we have the accessories you need. See the back cover for finish options.

LOUVER SHAPES



A

TRAPEZOID



B



C

RIGHT TRIANGLE



D



E

TRIANGLE



F

DOUBLE SLOPE TOP



G

DIAMOND



H

1/4 ROUND

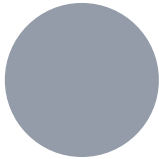


J



K

RADIUS TOP



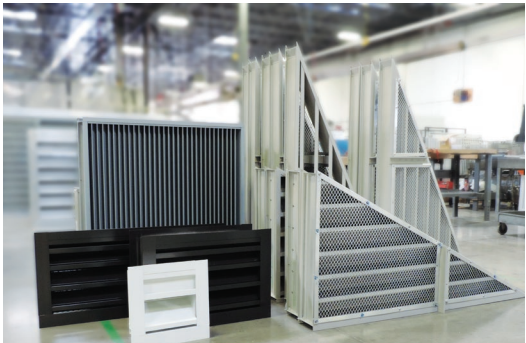
L

ROUND

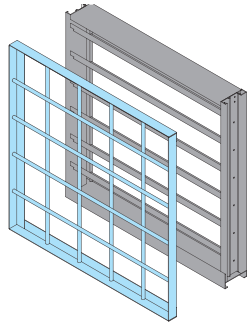


M

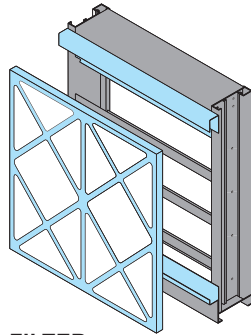
1/2 ROUND



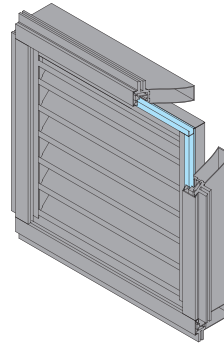
OPTIONS



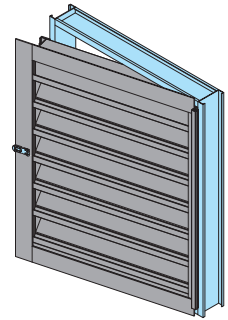
**BURGLAR
BARS**



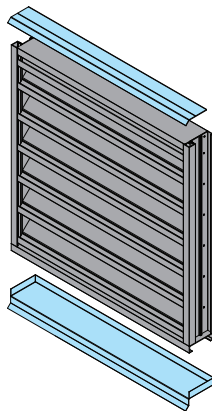
**FILTER
RACK**



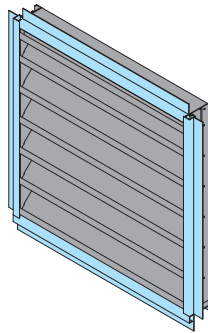
**GLAZING
FRAME**



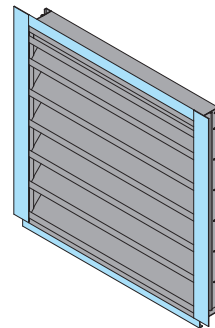
**LOUVER
HINGE**



**SILL/HEAD
FLASHING**



**STUCCO
FLANGE**



**VARIABLE
FLANGE**

BEST WARRANTY IN THE INDUSTRY

To reinforce our reputation for high quality products and dependable service, C&S Air Products offers an industry leading 5-year warranty on our entire line of louver products.

"By backing every product we ship with a 5-year warranty, we reinforce the depth of our commitment to providing customers quality products the first time and every time."

– Pat Cockrum, President, C&S Air Products

5
year
warranty



Our superior performance paint systems are available in a wide range of colors and we can also custom color match to any of your specifications. Our expertise in applying architectural coatings assures you of a high quality finish. With our color options, you get the color you need when you need it!

PRODUCT FACTS

Finish Type	Description/Application	Color Selection	Warranty
Fluoropolymer; Decafion or Newlar meet AAMA 2605. Dry film thickness 2 mil. equivalent to Kynar 500®/Hylar 5000®, Duranar®, Fluoropon®	Our premier finish for extruded aluminum. Tough, long lasting, environmentally friendly powder coating has superior color retention and abrasive properties. Resists chalking, fading, chemical abrasion and weathering.	Standard Colors: 20 standard colors plus Premium Pearl finishes. Custom colors are available. Consult factory.	10 Years (consult factory for availability of extended warranty up to 20 years).
Polyester Powder Coat meets AAMA 2604 dry film thickness 2 mil. equivalent to Baked Enamel.	Environmentally friendly powder coating has good color retention and abrasive properties. Resists chalking, fading, chemical abrasion and weathering.	20 standard colors for aluminum products and acoustical louvers, 18 colors for steel. Custom colors are available. Consult factory.	5 Years
Integral Color Anodize AA-M10C22A42 (>0.7 mil)	Electrochemically deposited inorganic color pigment which is sealed to convert an aluminum oxidation into a corrosion resistant finish. Some shade variation will occur.	Champagne; Light, Medium or Dark Bronze; Black	5 Years
Clear Anodize 215 R-1 AA-M10C22A41 (>0.7 mil)	Electrochemically oxidized aluminum surface for uniform clear finish. More resistant to natural oxidizing. Improved luster and less glossy than mill finish.	Clear	5 Years
Alkyd Prime Coat	Preparation for field applied epoxy, vinyl, urethane, or other heavy-duty coatings. Must be finished within 6 months of application. Contamination can occur in transit and in the field; requires field cleaning prior to painting.	N/A	N/A
Mill	Aluminum or Galvanized Steel. Normal weathering will occur.	N/A	N/A

C&S Air Products

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