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FD01-VER1.6



The AGLC is the next generation of glass louvre systems. It has been designed and engineered with people firmly in mind. Our ethos is derived from engineering smarts and how people live in their space.

We need more from our environments be it at work, home or play. We need spaces to be functional, healthy, calm environments so we can achieve our best in whatever it is that we are doing.

NEXT GENERATION OF GLASS LOUVRE SYSTEMS

The AGLC has a new exciting, innovative product range. We have overhauled the generic louvre window and using the latest technology and design trends created a world class louvre system. The outcome is a spectacular looking louvre design. It is both contemporary and cutting edge in both its mechanism and aesthetic.

This range has been meticulously designed and engineered by one of Australia's leading glass and façade engineers. Not only is the design from great pedigree, our experienced team that constructs and assembles the louvre system have years of technical glass builds, and louvre assembly experience in Australia.

Applications

Our louvre systems have many applications, including commercial high-rise, podiums, residential towers, winter gardens, universities and retirement villages, to name a few. The AGLC system will add value to any project with its sophisticated aesthetic and functionality.

450SA STAND ALONE SYSTEM

PRODUCT

These are complete louvre systems with their own support mullions, integrated mechanisms, and sensors. 450SA can be adapted as a waterproof or open jointed system which comes with a choice of louvre arm castings; Oceania, or Heritage.

Tailoring your louvre system to your needs

LOUVRE ARM CASTINGS

Oceania and Heritage louvre arm options are available on 450SA systems.

Oceania is our new proprietary louvre arm, artfully designed inhouse with one of Australia's leading architects. Our designers have used the smooth curved lines of a yacht's hull as inspiration for our latest louvre arm castings. These calming lines makes it a pleasure to look at and ergonomic to use.

Heritage is a design classic and has been used on many high-end apartment blocks, office façades, and winter gardens. This is a tried and loved design that has existed in the industry for over 20 years.

Finishes

We are excited to be able to offer beautiful finishes in a range of colours;

- Black Onyx
- Gold Jewel
- Silver Blaze



Black Onyx



Gold Jewel



Silver Blaze



SEALED/UNSEALED

We offer an open jointed louvre system with no seal ideal for winter gardens. This features streamline aluminium mullions, with the glass louvres opening up within an integrated glass balustrade system. The glass louvre blades are completely frameless with bevelled edges to minimise water penetration.

Sealed System – This is a closed louvre system with gaskets totally encapsulating the blades. This makes this system suitable for an extensive range of applications. The glass louvres close onto bulb seals on the face of the mullions with rubber seals along the glass edges. Full AS2047 test for high water penetration rates up to 450 pa.

ARCHITECTURAL & PERFORMANCE/THERMAL GLASS

There are many options when it comes to choosing your glass type. We pride ourselves on having reliable quality sources for glass manufacturing worldwide. Please talk to our team about the best choice of glass for your next project.

Architectural Glass Options

- Fritted Tinted Glass Low Iron
- Super Low iron
- Inoplast OR Interlayer PVB

Performance Glass & Thermal

- Monolithic Glass
- Laminated Glass (with or without Low E coating)
- IGU (Insulated Glass Units)



MULLION

Anodise

We use trusted quality Australian anodisers, this enables us to give you the best result and product.

Please ask our staff about what colour you require as we offer a wide range of colours.

Powder Coat

The AGLC's mullions are extruded aluminium, which work to serve two functions: to support the glass louvre blades, and to protect the operational mechanism which is hidden inside the mullion itself. Having the mechanism hidden ensures user safety and protects the mechanism from weather elements, while providing a clean and appealing finish. Aluminium finishing options are available we offer, anodizing and powder coat aluminium. AAMA or AAMA2604.

Hybrid Timber

AGLC's hybrid Accoya timber mullion echoes our philosophy of tailoring our louvre system to suite your project style and purpose. Timber resonates with the sensors allowing for a more fluid transition from inside space to outside space with the mullions natural wood clade finish. AGLC's hybrid timber Accoya pine mullion, has the strength of aluminium at it's core, and the finish of beautiful natural timber with the added benefits of Accoya wood's longevity, and resistant to rot.

The Hybrid timber mullion has TWO finish options: stains (warranty approx. 3 years) or liquid paint (warranty approx. 10 years using Interpol paint).



CONTROL SYSTEMS OPTIONS

With our glass louvre system you are in control of your experience with a touch of a button, you can harness the opening and closing of your louvre window with ease.

We can supply a number of control options for your next project, please let us know what options you may need:

- Manual push to open or close
- Automated solar control
- Wind Anemometer control
- Temperature control
- Fire trip ode with battery backup
- Full integration with BMS or modern home automation software
- Home automation Bluetooth compatible
- Up to 16 banks of louvres per control box
- Potentiometer positional sensor feedback to BMS
- Opening alarm
- Rain sensors

250P

PUNCHED IN SYSTEM

SEALED OR UNSEALED

PRODUCT

IN
DEVELOPMENT

The punched in system is designed to fit within a structural opening such as a curtain wall panel, or any other external wall opening. For this system there are many uses, apartment winter gardens, commercial high rise to name a few.



Tailoring your louvre system to your needs

SEALED/UNSEALED

Open jointed louvre system with no seal ideal for winter garden

Sealed system – gaskets totally encapsulating the blades.
Full As24047 test for high water penetration rates to 450 pa

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The Hybrid timber mullion has TWO finish options: stains (warranty approx. 3 years) or liquid paint (warranty approx. 10 years using Interpol paint).

This mullion option is not available for curtainwall projects.

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SERVICES

We tailor each louvre system to suit the specific needs and design goals of your project. We have inhouse engineers, technicians, and sales experts who can provide technical advice and support throughout the project.

We will programme your project from approved quotation to delivery on site. Our team has over 40 years of construction and glass façade experience and we will be there to guide you through the process.

Each of our products is quality assured with our tailored QA procedures.





CONSULTING & MAINTENANCE

Design and development - Our experienced team offers upfront consulting so we can best understand your needs for your next project. In this phase we go through all our louvre system options so we can give you the best system to suit your projects needs.

Next steps are to flush out the concept design with our skilled team of consultants who work with you to produce your tailored louvre system for your specific project. Each project typically will require its own set of options

AGLC offers a service and maintenance program to ensure the longevity of your new louvre system. The program will be tailored to your new louvre system specifically. Please talk to our staff about this maintenance program.

SPECIFICATIONS – OPTIONS

Maximum height aluminium frame	4m at 2.5 kpa ULS
Blade size	Width – 1500mm (nom) Height – 230-500mm.
Mullion	Aluminium extruded Finish options: Anodised, polyester powder coat to AAMA 2604, Fluoropolymer powdercoat to AAMA 2605. Liquid PVDF to AAMA 2604
Hybrid Mullion	Engineered Accoya Timber Finish options: Natural pine finish. Stained (colour Warranty 3 years approx) or liquid Paint
Louver arms	Material options: Precision cast 316 stainless steel Finish options: Electropolished Fairlite proprietary designed louver arm
Louver weather performance	Open jointed louver system , no seal.
Sealed louver system	Low-water penetration <300Pa Air Infiltration 1 ltr/m2s Small horizontal extruded aluminium frame

Architectural Glass Options	Fritted Tinted Low Iron Super Low Iron Trosifol Interlayers –Sentry Plus & PVB
Thermal & Glass Options	IGU (Insulated Glass Unit) Laminated Glass (with or without Low E coating) Monolithic Glass
Opening Angles	Up to 90 degrees
Control Options	Manual push to open/close Anemometer control Temperature control Automated solar control. Fire trip mode with battery back up Full integral with BMS or modern home automation software. Home automaton blue tooth compatible Up to 16 banks of louveres per control box Potentiometer positional sensor feedback to BMS Opening Alarm
Warranty	Electrical Actuators 1 Year Overall warranty 5 years or 15,000 cycles.
Sealed louver system	Low-water penetration <300Pa Air Infiltration 1 ltr/m2s Small horizontal extruded aluminium frame

ENVIRONMENTAL

The functionality of our glass louver system optimises fresh air flow, with opening angles allowing for maximum vision of space and the passage of stale air out, clean air in.

Our large format louver systems with a width 1500mm and height up to 500mm go a long way in assisting with the reduction of ongoing harmful carbon emissions made by air conditioning units, particularly through the hotter months. With the right louver design and intelligent control sensors, AGLC are able to maximise natural air ventilation where and when you need it most.

To find out how AGLC can assist you on your next project please contact us at info@theaglc.com or contact one of our team members on (02) 9158 6470, or visit our website at www.theaglc.com