



Revolving Doors

Stylish and
Effective Climate
Separation

dormakaba 



Monash University
(green chemical futures) Clayton
Monash University, Clayton
KTV Atrium, 3000D x 2700H
Architect: Lyons

Revolving Door Benefits

The design of the main entrance to any building should never be taken lightly. It is the face of the building, a point of interest for people entering and a statement of what the building represents.

It will be used by thousands of people every day, some will notice, others will not, but the design of a main entrance door will affect many aspects of how a building performs and how it's perceived by its occupants and visitors.

For many buildings a sliding door can be adequate. However in applications where this clear opening can result in significant problems for the building's services and the people that occupy it, a revolving door must be considered and in doing so, there are three key and unique benefits to a revolving door

Comfort

The only practical method of ensuring the main entrance to your building provides an effective airlock is to install a revolving door.

This is achieved by its rotating carousel design, which provides a consistently closed entry system, effectively a buffer area shielding the comfort of the internal space from harshness of the external environment.

This airlock ensures the external weather conditions do not impact unfavourably on the internal building space, the way sudden cold or hot wind gusts can with a sliding or swing door entry. Other related benefits include a significant reduction in noise from passing traffic, as well as keeping out dust and debris that could normally be blown through an open door.

Efficiency

This consistently closed, yet always open, buffer provided by the revolving door provides significant energy efficiency benefits.

The centre carousel rotates within its own pocket of air, ensuring the conditioned air of the building foyer does not escape and impact on the energy use of the buildings heating ventilating and air conditioning (HVAC) system.

It also ensures that hot or cold air does not flow into the building foyer and this is very important in campus-style office buildings with large void areas from the entrance foyer.

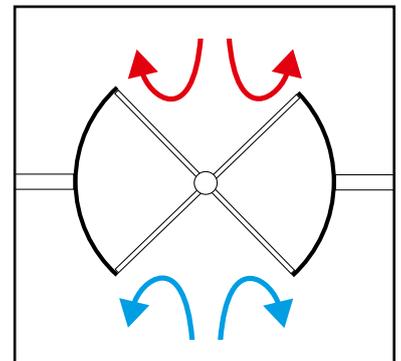
To design a 5 Star Green Star building, the use of revolving doors for the main entrance is considered essential.

Style

Architectural benefits can be just as important as the practical benefits of a revolving door.

A revolving door offers a building entrance a striking focal point that cannot be achieved with a linear sliding door system and it can be designed to complement the surrounding façade, tying in multiple design elements such as shape, balance, colour and movement.

To establish a truly unique building entrance, a revolving door is the best possible solution. It can be custom designed in a range of sizes, finishes and features to meet the requirements of the building infrastructure as well as the architectural intent of its designers.



The West End at Crown, Southbank
KTV-3, 3600D x 2700H
Architect: HBO+EMTB
(pictured left)

The Range

dormakaba offers a range of revolving door systems, all custom built to suit your specific requirements, and with representatives in all major cities of Australia and New Zealand, dormakaba is able to work with architects to help design the appropriate revolving door system for their entrance.

Choosing the right revolving door for your entrance is a simple process with variables including size, style, finish and operation easily determined with the support dormakaba's team of expert architectural consultants.

KTV

The revolving door designed for use in any application and available in sizes from 2000mm to 3800mm diameter, the KTV offers a standard canopy design with a range of safety features as standard and many optional design features also available.

KTV Atrium & Atrium Plus

The all glass revolving door in diameters up to 4000mm diameter with a slimline drive motor assembly mounted within the floor and a glass roof to complement any surrounding frameless glass assembly.

KTC

The imposing revolving door entrance system, with a stylish centre carousel, the KTC is available in sizes from 3600mm to 6200mm diameter, suitable for main entrances expecting high traffic volumes.

KTC-2

A revolving / sliding door hybrid offering the ultimate design flexibility in the type of entrance required, to suit both the environmental and traffic conditions. It is available in sizes from 3600mm to 5400mm diameter.

Maserati Showroom,
Melbourne
KTV-3, 3500D x 2600H
Architect: Elenberg
Fraser
(pictured right)

Burbury Hotel, Canberra
KTV-3, 2700D x 2700H
Architect: May Russell
(pictured below)



MASERATI



MASERATI



KTV-3 & KTV-4

Varioline

A revolving door workhorse, the dormakaba KTV is suitable in a range of applications.

Setting the benchmark for conventional revolving door design, the dormakaba KTV is a freestanding entrance system with the drive motor mounted within the overhead door canopy and heavy duty aluminium framed door wings providing strength and durability.

As with all dormakaba products, the KTV offers an industry leading range of safety features as standard, as well as a number of optional features ensuring building designers have a revolving door that meets all of their requirements.

These optional features include break-out door wings for alternate access, curved glass night shields providing a more secure after hours entry, electric or mechanical locking, secured access via a card reader and a fine frame rotating carousel.

The drive motor and control system are German designed and manufactured to provide a high degree of safety, reliability and longevity, supported by dormakaba's industry leading service infrastructure.

Available in 3 or 4 wing configuration, in diameters ranging from 2000mm to 3800mm diameter, and cladding finishes in a large number of powdercoat aluminium and stainless steel options, the dormakaba KTV revolving door can be custom designed to complement the entrance façade of any high end commercial development, university building, entertainment complex, showroom or hotel.

01

Avenue Hotel, Canberra
KTV-3, 2850D x 2400H
Architect: Stewart
Architecture

02

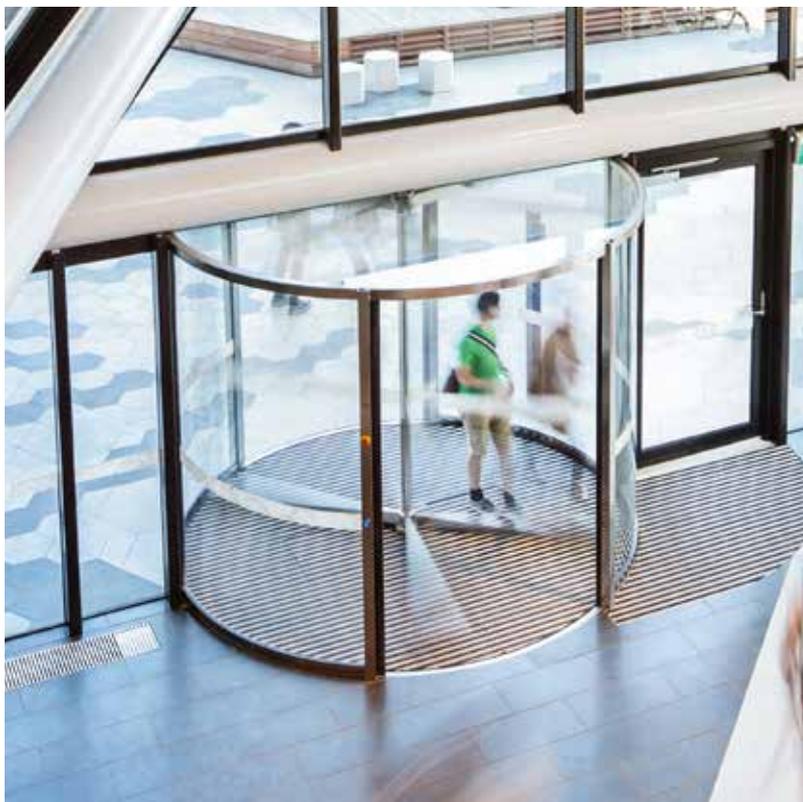
Lumia Bar at Crown,
Southbank
KTV-3, 3000D x 2700H
Architect: HBO+EMTB



01



02



01



02

KTV

Atrium & Atrium Plus

01
 Monash University,
 Clayton
 KTV Atrium, 3000D x
 2400H.
 Architect: Lyons

02
 Darling Park Tower 3
 Sydney CBD
 KTV Atrium Plus,
 3600D x 2700H
 Architect: Davenport
 Campbell & Partners

A stylish glass roof revolving door system offering transparency and effective environmental control.

To complement the frameless nature of many commercial building podium glass assemblies, revolving doors with glass roofs are becoming increasingly popular and to meet this demand dormakaba have taken their standard KTV design and introduced smaller framing profiles and a glass roof, without compromising on the safety features and reliability.

Combining elegance and functionality, the KTV Atrium is available in diameters between 2000mm and 3000mm and the KTV Atrium Plus is available in diameters up to 4000mm

The KTV Atrium's have a rotating carousel with a slimline aluminium frame that has the option for frameless glass butt joints in the centre to provide a more transparent revolving door entrance.

To provide strength and rigidity to the curved glass sidewalls and roof, a curved structural perimeter frame is used and this also houses the infrared activation and safety sensors, ensuring these features do not detract from the streamlined appearance of the door.

The KTV Atrium and Atrium Plus revolving doors are available in 3 and 4 wing configuration, as well as manual and automatic operation, which is achieved by a specially designed low profile drive motor system which is mounted within a floor pit below the carousel.

KTC-3 & KTC-4

Comfortline

A bigger, more comfortable revolving door that doesn't compromise on safety or style.

Utilising dormakaba's heavy duty direct drive motor system, the KTC can offer generously sized door diameters from 3600mm to 6200mm diameter, making it ideal for building entries that require large numbers of people to enter and exit through the revolving door during peak morning, lunch and afternoon periods.

These larger segment spaces provide a more comfortable and safer entry for people pushing trolleys, strollers or rolling luggage bags through the entry. This space also makes the door more accommodating for elderly, less abled and wheelchair users.

Available in 3 or 4 wing configuration, the KTC features an elegant frameless glass centre carousel, or the option of a central glass showcase for feature displays or floral arrangements. Standard features also include a full suite of safety sensors, lighting within the centre rotating ceiling and

breakout door wings for alternate access options.

All of this combined results in the dormakaba KTC providing the most striking of first impressions to any building entry.

01
City Palais, Duisburg,
Germany
KTC- 3, 4200D x 2900H
Architect: Chapman
Taylor

02
570 Bourke Street,
Melbourne
KTC-3, 4400D x 3500H
Architect: Hassell



01



02



01



KTC-2 Flexline

01
AECOM House, Auckland
KTC-2, 3600D x 2700H.
Architect: Woodhams/
Meikle/Zhan

Can't decide between a revolving door and sliding door? Have both with the KTC-2

Offering the ultimate in entrance flexibility, the KTC-2 is a two-wing revolving door with an integrated automatic sliding door operator, providing the choice between a revolving or sliding door to suit on the building requirements or the weather conditions.

Popular in shopping centres, hospitals and hotels, this hybrid door offers very generous door segment spaces by way of its two wing design, enabling bulky items as big as hospital beds to be wheeled through the door. In terms of user comfort, safety and flexibility in any situation, this revolving / sliding door ticks all the boxes.

As a revolving door the KTC-2 offers the key benefits of comfort, efficiency and style but with a turn of a key the door converts to a sliding door, allowing the entrance to be opened up during mild weather conditions,

when the benefits of an airlocked entrance are not required.

This flexibility allows for improved pedestrian flow during peak traffic periods or to provide a secondary egress route, or free air intake, under a fire trip signal, in an emergency.

Available in standard diameters between 3600mm and 5400mm, the KTC-2 also features integrated night doors in lock mode and the option of showcases to provide a truly unique entrance experience.

The Advantage

After first entering the Australian market in the early 1980's dormakaba quickly established a reputation for quality and reliability in the range of automatic doors and architectural fittings it offered.

With strong management and operating principles, derived from its experience as a global market leader for over 100 years, dormakaba is well placed to offer before and after sales customer service that is second to none.

dormakaba prides itself on being the very best in the business and is proud to have offices in every capital city and many regional centres across Australia and New Zealand.

This market coverage, combined with a diverse product range now encompassing a range of automatic doors, revolving doors, architectural fittings, door hardware and movable walls, should make the decision to work with dormakaba Australia and dormakaba New Zealand a very simple yet rewarding one.

All dormakaba revolving doors are European designed for all weather conditions, offering high quality weather seals, heavy duty framing and quality design and workmanship.



The Service Experience

When you choose dormakaba, you are supported by a nationwide network of accredited and fully trained, specialist automatic door technicians and agents, on call 24 hours a day, 7 days a week. Our specialised service covers dormakaba's comprehensive range of automatic door operators, door closers, industrial doors and movable walls with our expertise extending to all models.

When you call dormakaba Service you will speak to someone who knows the products, can offer expert advice and work with dormakaba's local service teams to solve your problem as quickly as possible. Public safety and security are our paramount concern and this is reflected in our prompt response times - making dormakaba the unrivalled industry leader in service support.



National Service Network

With over 40 years experience in the service industry, dormakaba is committed to ongoing specialist training for our technicians and service agents. dormakaba employs over 120 service technicians throughout Australia and New Zealand, and is supported by an accredited service agent network.

This ensures nationwide coverage and expertise across our extensive product portfolio. Being close to our customers and understanding each individual situation is imperative to our business success and this makes it hard to go past using dormakaba Service.

Complete Service Solution

dormakaba's corporate customers are managed by a single point of contact ensuring that all site locations receive the same high level of service and consistency. This partnership allows dormakaba to tailor a maintenance agreement to cover all brands of automatic doors, door closers, industrial doors and operable walls on the premises.

Your corporate account partner will customise a fully integrated and value-added service programme and this commitment ensures the ongoing safe and easy flow of people and goods throughout all site locations.



**Door
Hardware**



**Entrance
Systems**



**Electronic
access & Data**



**Interior Glass
Systems**



**Lodging
Systems**



**Mechanical
Key Systems**



Safe Locks



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