




WILLIAMS REFRIGERATION

REFRIGERATED CABINETS

HIGH PERFORMANCE REFRIGERATED CABINETS
WWW.WILLIAMS-REFRIGERATION.CO.UK



The comprehensive range of refrigerated cabinets from Williams

Williams' range of cabinets offers a dazzling array of options, temperatures and sizes meaning there is always a Williams cabinet for you.

Williams Refrigeration is a leading manufacturer of professional refrigeration with a global reputation for delivering excellence.

Our extensive product range includes high performance, energy efficient and environment friendly refrigerated cabinets and counters, blast chillers, coldrooms, backbar and specialist bakery equipment.

Our customer commitment helps you meet the demands of food safety and energy efficiency legislation. Our competitive pricing, professional advice, innovative design and after sales service support attracts customers from all sectors of the market – including many of the world's leading hospitality and retail organisations.

Williams 'right first time' philosophy means that its products provide years of trouble-free operation and are easy to service and maintain.

Greenlogic:

Through the Greenlogic initiative, Williams is committed to supplying the most energy efficient and sustainable commercial refrigeration in today's market. For more information visit www.greenlogic.info

WILLIAMS' CABINETS AT A GLANCE

✓ Standard - Not available o Option	Garnet	Jade	Zircon	Amber	Banqueting	Aztra
Stainless steel exterior and interior base	✓	✓	✓	✓	✓	✓
Zero ODP/ low GWP foam insulation	✓	✓	✓	✓	✓	✓
Anti-tilt shelving, racking supports and drawers	✓	✓	✓	✓	✓	✓
Left hand door hang	✓	✓	✓	0	✓	✓
Heavy duty swivel brake castors	✓	✓	0	-	✓	-
Bottom mounted refrigeration	-	✓	✓	✓	-	✓
Top mounted refrigeration	✓	✓	-	-	✓	-
Front vented	-	-	-	✓	-	✓
CoolSmart controller	✓	✓	✓	-	✓	✓
Automatic defrost	✓	✓	✓	✓	✓	✓
Anti-condensation heaters	✓	✓	✓	✓	✓	✓
Waste heat recovery vapouriser	✓	✓	✓	✓	✓	✓
Adjustable operating temperature	✓	✓	✓	-	✓	✓
Barrel locks	✓	✓	✓	✓	✓	-
Hydrocarbon version	0	0	0	0	0	0
Designed to 43°C ambient	✓	✓	✓	-	✓	✓
Designed to 32°C ambient	-	-	-	✓	-	-





WILLIAMS CABINETS

Refrigeration for the Real World

We all know how important energy efficiency is. Refrigeration is on 24/7 and accounts for around 28% of your kitchen's energy use. That's why Williams is committed to developing the most energy efficient cabinets possible, using the latest components and manufacturing techniques.

But in the real world, other factors are vital, too. Food safety, reliability and a tough construction able to handle the inevitable knocks are also important. Not forgetting good looks too for front of house and theatre-style kitchens.

Our new cabinets combine all these elements. Built to the highest of standards, and using our innovative CoolSmart technology, our cabinets are available in various temperature options to suit any application: chilled, freezer, fish, meat... And there's a huge choice of sizes, too, including the space saving Aztra undercounter cabinets and the reduced height, bottom-mounted Jade Slimline.

It's all part of our commitment to make refrigeration that's practical, efficient, reliable, tough and fit for purpose.

FEATURES AND BENEFITS

Foodsafe professional stainless steel exterior / interior base and back of door / aluminium walls provide hygienic, durable and easy to clean surfaces.

Designed and engineered to operate efficiently in the harshest of environments such as in a 43°C ambient.

Precision injected, high density 80mm polyurethane insulation provides maximum thermal properties with low GWP and zero ODP and further strengthens the cabinet

Reversible door hanging encourages efficient workflow reducing the risk of accidents and providing the ability to change in-situ.

Self-closing doors avoid heat ingress and reduce energy consumption.

115° and 180° door dwell for loading large trays and pans, beneficial where walkways are limited.

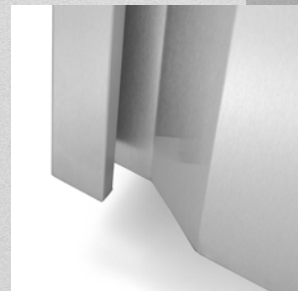
Improved thermal break reduces heat gain through the door gasket and provides added protection for it – reducing wear and tear.



Heavy duty, PVC, magnetic balloon gaskets with welded corners provide durability and 100% tight seal preventing heat ingress.

Door balloon gaskets designed with air release points avoid slitting caused by compression when door is closed.

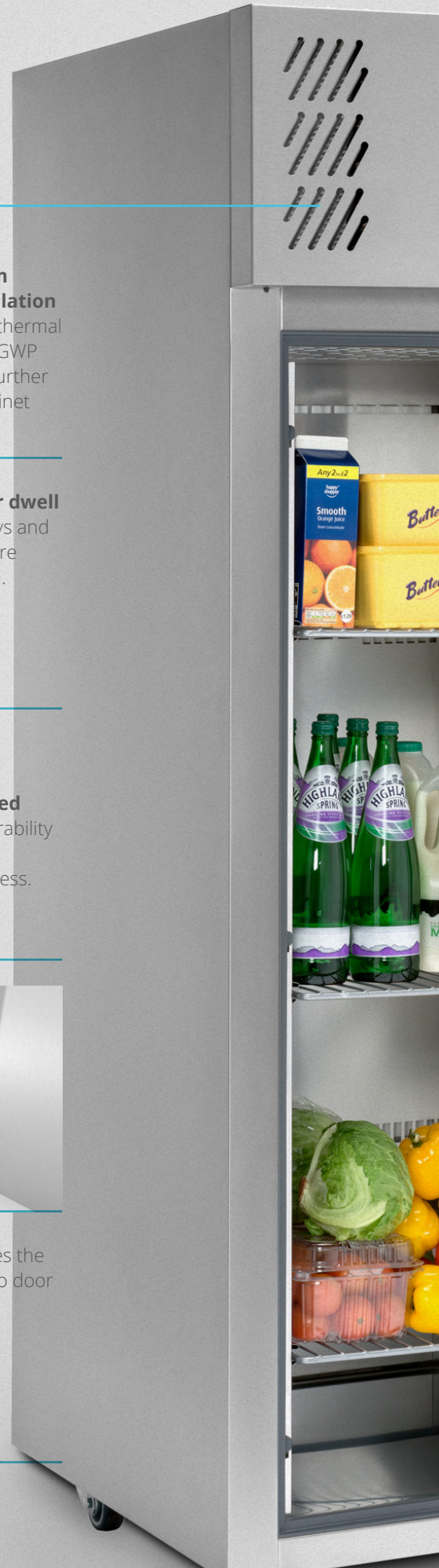
Full length integral door handle provides non-slip, 'grab' on the door – a must in a busy kitchen environment whilst being easy to clean with no potential dirt traps.



Fan cut out switch stops warm air being circulated within the cabinet, conserving energy.

Low wattage mullion heaters use low amounts of energy but effectively prevents condensation forming.

Filler shelf increases the usable volume in two door cabinets.





Williams CoolSmart controller is designed for easy operation and features clear digital display and visual* alarms for failsafe performance.

- **Reduces energy** by detecting changing situations, instigating economy mode when use is low while ensuring total food safety at all times.
- **Intelligent defrost function** ensures the evaporator works more efficiently. Compressor starts can be limited, thereby reducing wear and tear and prolonging compressor life.
- **Safe cleaning** with an extra low voltage controller.
- **Easy servicing** with clear diagnostics.
- **HACCP** compliant.



EC evaporator fans provide improved heat rejection for greater efficiency and reduced energy consumption.

Barrel locked doors for added security.

New, improved airflow design provides uniform air distribution with no potential warm spots and maintains constant temperature.

Versatile, removable racking system with nylon coated shelving provides flexible storage and ease of cleaning.



Anti-tilt tray slides stop shelves from tipping - easy to remove and reposition.



Easy to clean, one piece stainless steel dished base with radiused corners reduces potential dirt traps.

Delivered to site with heavy duty swivel castors with roller bearings and brakes for improved mobility and stability.

Height with castors designed to fit through a standard doorway for ease of positioning.

*NB: Garnet controller also includes audible alarms



JADE CABINETS

Setting the standard in refrigeration performance, even in high ambient 43°C environments.

With a wide range of options, including our new slimline version, Williams' latest Jade cabinets offer an unrivalled combination of robust, energy efficient refrigeration, flexibility and good looks.

REFRIGERATION FOR THE REAL WORLD

The tough stainless steel exterior is designed specifically for the rigours of day-to-day operation in the busiest kitchens, while Williams' high-performance refrigeration system delivers totally consistent temperature control, even in 43°C ambient. Precision-injected, high-density 80mm polyurethane insulation gives extra strength while providing superior thermal efficiency with low GWP and Zero ODP.

ENERGY EFFICIENCY

Performance and efficiency are at the heart of every Williams product and Jade cabinets have a range of technologies designed to minimise energy consumption.

Heavy-duty balloon gaskets, combined with an enhanced thermal break, provide a 100% tight door seal. This reduces heat ingress whilst the air release points reduce wear and tear on the gasket.

Some models feature energy efficient anti-condensation mullion door heaters, eliminating condensation build-up and potential slip hazards.

Jade cabinets also feature self-closing doors to minimise temperature gain and reduce energy consumption.

The doors' 180° opening allow for easy loading and less congestion, reducing the risk of accidents when space is limited.

The CoolSmart controller can dramatically reduce energy consumption while ensuring total food safety at all times.

Features like waste heat recovery vaporisers and automatic defrost reduce energy consumption further while maximising operational efficiency.

J2



COOLSMART
CONTROLLER



ANTI TILT
SHELVING



THERMAL BREAK



PRACTICAL FEATURES

All Jade cabinets are supplied with heavy-duty, non-marking swivel castors and are designed to fit through a standard doorway for ease of movement and positioning. The front brakes provide total stability once the cabinet is in place.

The Jade's easy-grab, non-slip door handle is easy-to-clean with no potential dirt traps – a must in a busy kitchen environment. Inside, the easy-to-clean one-piece stainless steel dished base with radiused corners, along with the removable racking and shelving system, make it easy to maintain the highest hygiene standards.

Adjustable shelving provides flexibility and the anti-tilt mechanism ensures product stability and minimises the risk of accidents.

Barrel locked doors offer complete piece of mind providing additional security and stock control.

CABINET OPTIONS

A variety of options and model variations allow you to customise your Jade to suit your operation.

Complementing the existing Williams Jade range of cabinets, this new ultra slim 'J300U' model which offers chilled or frozen storage in a compact footprint.

The ultra slim J300, bottom mount unit - performs as you would expect from our flagship Jade range but in a much smaller footprint.

Its bottom-mounted refrigeration system is especially practical in buildings with low ceilings, since it gives more room for heat expelled from the system to circulate.

G2**Z18**

GARNET AND ZIRCON CABINETS

The gastronorm choice: meeting the highest specifications and international quality standards.

Garnet and Zircon cabinets combine superior performance and energy efficiency with stylish design. They offer the choice of gastronorm storage in the Garnet and bespoke fish storage in the Zircon.

ENERGY EFFICIENCY

The latest CoolSmart controller ensures easy operation and features a clear digital display and audible and visual alarms for failsafe performance.

By adjusting to changing conditions, such as quiet periods, the CoolSmart controller can dramatically reduce energy consumption while ensuring total food safety at all times. The intelligent defrost function ensures the evaporator works more efficiently.

Self-closing doors feature heavy-duty balloon gaskets and an enhanced thermal break to provide a 100% tight door seal. The cabinets use 80mm polyurethane insulation, with zero ODP and low GWP, to deliver superior thermal efficiency.

THE PRACTICAL REFRIGERATION CHOICE

Garnet cabinets are available in a comprehensive choice of temperature ranges – refrigerator, meat, fish, freezer, chilled and heated versions.

Their high-performance refrigeration system operates efficiently in ambients up to 43°C. Practical features include easy-to-clean stainless steel dished bases with

radiused corners, and heavy-duty swivel and brake castors.

Garnet and The Zircon FZ18 cabinets offer maximum storage whilst still fitting through a standard doorway with no need for tipping.

THE SPECIALIST CABINET FOR FISH STORAGE

The FZ18 is a dedicated fish cabinet which uses a piped liner evaporator, avoiding any potential corrosion issues and leaving a totally wipe clean interior. The cabinet is supplied with seven polypropylene containers complete with slime trays that are easy-to-clean, lightweight and durable. The cabinet also comes with standard waste fittings for connection to a main drain.



AZTRA UNDERCOUNTER CABINETS

Gastronorm undercounter cabinets – high-performance in a compact design.

The Aztra range of single and double door undercounter gastronorm cabinets save space while offering practical storage solutions, even in ambients up to 43°C.

THE SPACE-SAVING AZTRA

The Aztra range accommodates 1/1GN trays and offers capacities up to 234 litres – the smallest model has a footprint of just 455mm x 734mm deep, yet holds up to 109 litres.

The front-venting refrigeration system means the Aztra can be fitted into the tightest space whilst its advanced airflow design keeps produce fresh by providing uniform air distribution with no potential warm spots.

PRACTICAL UNDERCOUNTER CABINETS

Practical features on all Aztras include its easy-grab handle which minimises potential dirt traps and self-closing doors that avoids heat ingress and reduces energy consumption.

The energy-saving CoolSmart controller maximises service life while the zero ODP, low GWP foam insulation delivers excellent thermal efficiency and provides further strength and robustness to the cabinet.

The cabinets are supplied with rear castors and levelling feet for easy positioning and stability.

FREEZER DRAWERS

The AZ5UC single-door model is available with two drawer sets in both standard and freezer temperatures, allowing for all applications.

These powerful freezer drawers allow for all ingredients to be kept close to hand helping to optimise work flow.



AMBER CABINETS

The space-saving choice of upright and undercounter cabinets for low-to-medium duty use.

When space is at a premium, Amber provides the low-to-medium duty solution with a choice of one and two door undercounter and one door upright cabinets.

THE PRACTICAL AMBER

The space-saving Amber undercounter cabinets have a front-vented refrigeration system that's ideal for enclosed areas, as there is no need for air gaps to the sides and rear.

The A400 single door cabinet features a powerful bottom mounted refrigeration system and an advanced airflow which eliminates potential warm spots. Self closing doors on the A400 model make loading easy and can help reduce potential accidents where space is limited.

Designed for medium-duty use, its reliable refrigeration system functions consistently, even in ambients up to 32°C.

Practical features include adjustable feet for stability and barrel locked doors for security.

ENERGY EFFICIENCY

Low GWP and zero ODP insulation provide superior thermal efficiency and enhance it's robust construction.

The Williams' energy-efficient CoolSmart controller is designed for easy operation and features clear digital display and visual alarms for failsafe performance. It reduces energy by detecting changing situations, instigating economy mode

when use is low while ensuring total food safety at all times.



MHC16



MRC16

BANQUETING CABINETS

Transporting and holding hot or cold food safely is easy in these high-performance gastronorm cabinets.

Williams Banqueting cabinets have a host of practical features to make it easier to move food safely from the kitchen to the banqueting area.

Supplied with gastronorm tray slides these units are compatible with 2/1GN trays removing the need for additional shelving.

THE PRACTICAL BANQUETING SOLUTION

The trolleys feature large easy-grab side handles for ease of transport and positioning.

Transporting cabinets is hassle free as all units fit through a standard doorway. The door dwell is ideal for loading large trays & pans, beneficial where walkways are limited.

Their heavy-duty non-marking swivel castors are designed to work on a variety of surfaces and feature a front locking break for increased stability once the cabinet is positioned.

All banqueting cabinets are supplied with a tough, all-round bumper bar which protects both the cabinet and your décor during transit.

As with all Williams cabinets, the mobile heated and refrigerated cabinets are constructed using environment-friendly, zero ODP, low GWP foam insulation which delivers excellent thermal efficiency, keeping hot food hot and cold food cold.

The mobile refrigerated cabinet features an easy grab handle, which is easy to clean and minimises potential dirt traps.

For enhanced stock control and security, all units are fitted with barrel locked doors.

Both the heated, and refrigerated cabinets feature our CoolSmart controller, designed to minimise energy consumption by adapting to changing conditions.

Further energy savings are made with self closing doors which helps to maintain a consistent temperature.

TECHNICAL DATA

GARNET G1 ONE DOOR CABINET

Model	Width	Depth	Height	Temp °C	Running Amps	Shelves	Capacity (Gross)
HG1T	727(567)	824(665)	1960(1411)	+ 1/+4	2.06	4	620(21.9)
MG1T	727(567)	824(665)	1960(1411)	-2/+2	2.06	4	620(21.9)
LG1T	727(567)	824(665)	1960(1411)	-18/-22	3.42	4	620(21.9)
FG1T	727(567)	824(665)	1960(1411)	-2/+2	3	-	620(21.9)
CFG1T	727(567)	824(665)	1960(1411)	0/+3	2.06	4	620(21.9)
XG1T	737(587)	824(683)	1960(1370)	+78/+82	11.5	4	-

GARNET G2 TWO DOOR CABINET

w1400(1250) x d824(683) x h1960(1411)

Model	Width	Depth	Height	Temp °C	Running Amps	Shelves	Capacity (Gross)
HG2T	1400(1240)	824(665)	1960(1411)	+ 1/+4	2.81	8	1295(45.7)
MG2T	1400(1240)	824(665)	1960(1411)	-2/+2	2.81	8	1295(45.7)
LG2T	1400(1240)	824(665)	1960(1411)	-18/-22	3.86	8	1295(45.7)
FG2T	1400(1240)	824(665)	1960(1411)	-2/+2	3.5	-	1295(45.7)
CFG2T	1400(1240)	824(665)	1960(1411)	0/+3	2.81	8	1295(45.7)
XG2T	1400(1240)	824(683)	1960(1370)	+78/+82	3.5	8	-

ZIRCON Z18 ONE DOOR FISH CABINET

Model	Width	Depth	Height	Temp °C	Running Amps	Shelves	Capacity
FZ18	595(445)	722(598)	1906(1250)	-2/+2	5	7*	114kg

JADE J1 ONE DOOR CABINET

Model	Width	Depth	Height	Temp °C	Running Amps	Shelves	Capacity (Gross)
HJ1	727(567)	824(665)	1960(1411)	+ 1/+4	2.06	3	620(21.9)
MJ1	727(567)	824(665)	1960(1411)	-2/+2	2.06	3	620(21.9)
LJ1	727(567)	824(665)	1960(1411)	-18/-22	3.42	3	620(21.9)

JADE J2 TWO DOOR CABINET

Model	Width	Depth	Height	Temp °C	Running Amps	Shelves	Capacity (Gross)
HJ2	1400(1240)	824(665)	1960(1411)	+ 1/+4	2.81	6	1295(45.7)
MJ2	1400(1240)	824(665)	1960(1411)	-2/+2	2.81	6	1295(45.7)
LJ2	1400(1240)	824(665)	1960(1411)	-18/-22	3.86	6	1295(45.7)

JADE J300U ONE DOOR CABINET

Model	Width	Depth	Height	Temp °C	Running Amps	Shelves	Capacity (Gross)
HJ300U	595(445)	684(477)	1956(1315)	+ 1/+4	1.72	3	335.5(11.8)
LJ300U	595(445)	684(477)	1956(1315)	-18/-22	2.37	3	335.5(11.8)

* Z18 Fish Zircon is supplied with polypropylene trays

NB: requires connection to a main drain

TECHNICAL DATA

JADE J400U ONE DOOR CABINET

Model	Width	Depth	Height	Temp °C	Running Amps	Shelves	Capacity (Gross)
HJ400U	695(545)	684(477)	1956(1315)	+ 1/+4	1.93	3	410(14.5)
LJ400U	695(545)	684(507)	1956(1470)	-18/-22	1.75	6	410(14.5)

JADE J500U ONE DOOR CABINET

Model	Width	Depth	Height	Temp °C	Running Amps	Shelves	Capacity (Gross)
HJ500U	727(567)	837(660)	1940(1332)	+ 1/+4	1.6	3	523(18.5)
LJ500U	727(567)	837(660)	1940(1332)	-18/-22	2.48	3	523(18.5)

AMBER CABINETS

Model	Width	Depth	Height	Temp °C	Running Amps	Shelves	Capacity (Gross)
HA135	606(536)	577(434)	805(606)	+1/+4	1.5	2	135(4.8)
LA135	606(536)	577(460)	805(606)	-18/-22	1.5	2	135(4.8)
HA280	1210(1140)	577(415)	805(606)	+1/+4	1.89	4	267(9.4)
HA400	695(545)	684(477)	1896(1315)	+1/+4	1.93	3	410(14.5)
LA400	695(545)	684(570)	1896(1470)	-18/-22	1.9	6	410(14.5)

MOBILE BANQUETING CABINETS

Model	Width	Depth	Height	Temp °C	Running Amps	Shelves	Capacity (Gross)
MRC16	803(567)	900(660)	2013(1332)	+1/+4	1.6	16	523(18.5)
MHC10	807(587)	885(653)	1372(925)	+78/+82	5.75	10	390(13.8)
MHC16	807(587)	885(653)	1770(1322)	+78/+82	11.5	16	549(19.3)

AZTRA UNDER COUNTER CABINETS

Model	Width	Depth	Height	Temp °C	Running Amps	Shelves	Capacity (Gross)
HAZ5CT	455(375)	734(583)	870(460)	+1/+4	1.58	2	109(3.8)
LAZ5CT	455(375)	734(583)	870(460)	-18/-22°C	1.78	2	109(3.8)
HAZ10CT	885(805)	734(533)	870(460)	+1/+4	1.6	4	234(8.3)
LAZ10CT	885(805)	734(533)	870(460)	-18/-22°C	1.95	4	234(8.3)
H5UC	660(580)	609(443)	830(460)	+1/+4	1.44	2	131(4.6)
L5UC	660(580)	609(443)	830(460)	-18/-22°C	1.78	2	131(4.6)

Note:

All dimensions are in mm unless otherwise stated.

Cabinet dimensions are shown external(internal).

Capacities are shown in litres(cubic feet).

Full Technical Details can be found at www.williams-refrigeration.co.uk/info-centre



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Installation of all Williams products requires adequate ventilation.

Williams has recently upgraded its products. As such the 'on location' images used here, differ slightly to the new range. For true new model representation please refer to the individual product images.

Williams reserves the right to modify the design, materials and finish in accordance with its progressive development policy.

Williams Refrigeration is a trading name of AFE Group Limited.
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an Ali Group Company



The Spirit of Excellence