

Discover Williams Refrigeration

# glycol knowhow

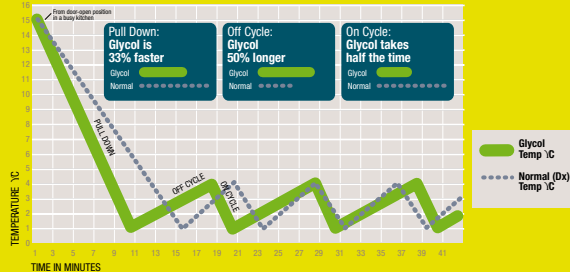
Reap the benefits of linking multiple refrigeration units and cool rooms to a glycol secondary refrigeration system:

- **Improved food quality**  
Less dehydration and drying out of delicate product such as fish. Reduced food wastage.
- **Up to 25% lower running cost**  
plus, reduced maintenance and service costs, and less refrigeration charge.
- **Better for the environment**  
Reduced refrigeration gas charge by up to 80%.
- **Installation simplicity**  
Ease of balancing system in large, diverse layouts. Inherent capability to cope easily with varying load conditions.
- **Improved refrigeration performance**  
Faster pull down time, better holding time. More stable and consistent temperatures.
- **...and much more**  
The remote system removes heat loading and noise from the kitchen.  
For critical refrigeration systems, dual redundant – auto changeover systems are available.



The Williams  
Glycol Secondary  
Refrigeration System

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## Williams Glycol System vs 'Normal' refrigeration:

### Conventional System:

✗ Only 35% of evaporator surface effectively used for chilling

**"Glycol coils are fully flooded with cooling fluid, as opposed to only 35% with conventional refrigeration"**



### Glycol System:

✓ Glycol coils are fully flooded with cooling medium – 100% in liquid form

- 100% of the heat exchanger surface is effectively chilling
- More effective heat exchange with cabinet air flow
- Significantly higher 'off cycle' heat absorption
- Improved Pull Down time
- Improved temperature recovery time

Features: Williams Glycol Refrigeration Systems are available in a range of kilowatt ratings and in dual redundant auto change over configurations. All models include control panel with full diagnostic display and alarm capability.

### Examples of Williams Glycol System Installations

Vue de monde Restaurant Melbourne  
 Crown Casino, Melbourne  
 Spotless Catering, Melbourne  
 Ceres-Brunswick  
 Centrelink-Canberra  
 RMIT-Melbourne  
 Pizza Express Restaurants  
 Le Petit Blanc, Manchester  
 Wagamama Restaurants  
 The Don Restaurant, London

Nobu Restaurant, London  
 Metropolitan Hotel, London  
 Nobu Too, Barkley Street  
 City West Hotel, County Dublin

Vodafone, Newbury  
 Cope Foundation, Cork  
 Somerset House  
 Hakassan 5 Star Restaurant

McMullens Brewery  
 Great Western Hospital, Swindon  
 Scottish Houses of Parliament  
 Chase Manhattan Bank, London  
 HM Prison, Wandsworth  
 HM Prison, Risely  
 HM Prison, Ramby



### Glycol Secondary Refrigeration System:

This shows the central unit chilling glycol cooling fluid, circulates through insulated piping to remote refrigeration units



### Glycol Fluid:

A colourless foodsafe liquid. Glycol remains in liquid state throughout the cooling cycle

The Williams Glycol Secondary Refrigeration System

RETURN OUTLET

