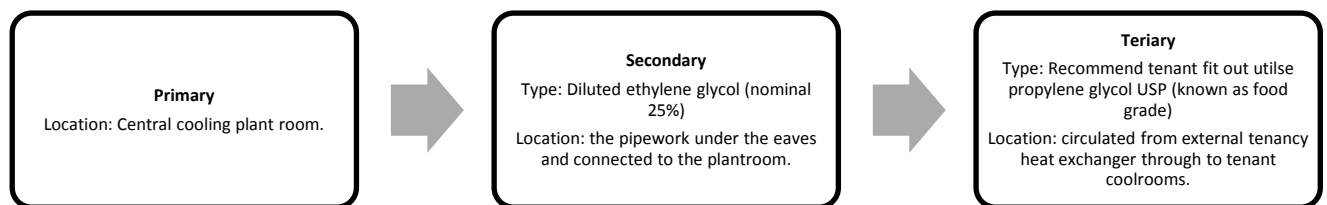


Information on the central refrigeration system at the Epping wholesale market.

March 2013

Is the central refrigeration system food grade compatible?

Yes, there are three components to the central refrigeration system at the new Epping market. This system is food grade compatible and is outlined in the graph below.



Why is diluted ethylene glycol being used in the secondary refrigeration circuit if it is not food grade compatible?

The use of the glycol in the secondary refrigeration circuit is designed to maximise plant pumping efficiencies between the plant and the tenant interface heat exchangers. The ethylene glycol does not enter tenancy spaces where produce is stored.

Can I use the diluted ethylene glycol for my tenancy fit out?

No, the diluted ethylene glycol is not recommended for tenancy fit out use nor is it the type of glycol which is compatible with or efficient in the tenant heat exchangers.

What glycol should be used for my tenancy fit out?

It is recommended that only propylene glycol USP (often referred to as "food grade") is used in the tertiary (tenant) component of the central refrigeration system. This is due to the potential risk of glycol from the tenant's system contaminating produce stored within the tenancy area. This system is commonly used in food applications (both small and large) such as Woolworths Mulgrave distribution centre.

What is the temperature range at the tenancy?

Whilst the plant room can issue a supply line at around -9 degrees Celsius and receive a return line at around -4.5 degrees Celsius at the store tenancy the supply side range is -9 / 8.5 degrees Celsius and the return side range is -5 / 4.5 degrees Celsius.

Please note that the central plant construction is based on refrigeration rather than freezer conditions so temperatures within the cool rooms must be kept above 0 degrees Celsius.