

# CONDENSATION

Did you know that glass door fridges form condensation on the outside of the glass in areas with high humidity? This not only looks bad, but can cause water to form on your floor, causing irreparable damage or the area to become dangerously slippery.

## All you need to know...

### HOW DOES IT FORM?

Condensation forms when there is a combination of water in the air (humidity), warmer temperatures and cold glass. The warm damp air touching the cold glass causes fog or water to form on the inside.

### HOW TO AVOID IT?

**Double Glazed Glass** - will start to fog at 50% humidity and form water from 65% humidity

**Triple Glazed Glass** the front panel of glass doesn't get as cold, will withstand humidity up to 65% before any sign of condensation

**LOW E Glass**- a special coating on the glass that reflects heat 70% better than non-LOW E glass. It helps to keep the cold in and warmth out. LOW E will achieve up to 70-75% before condensation starts to form.

**Argon Gas Fill**- Common in many units, the gas helps protect front glass from getting cold as it provides a layer in between the 2 x panes of glass, this combined with any of the above will allow another 5% before humidity forms.

**Heated Glass** The only way to 100% stop condensation on glass. This uses a film that is electrically charged at low voltage with power of about 50-65Watt. At a minimum, this feature doubles the energy consumption of the unit but will stop condensation on the body or door frame.

### WHAT ABOUT THE BODY?

Condensation will occur on the body and door frame on poor quality units that have cheaper foam insulation on the inner of the fridge. This inevitably causes condensation issues, particularly for stainless steel fridges.





**\*Heated glass vs non-heated**

Indoor placement of a non-heated glass door fridge will cause condensation build-up on the door(s) during high humidity conditions. Please consider the surface below the fridge as the condensation build-up may leak water onto this surface.

A heated glass door fridge is the only true way to ensure there will be no condensation forming on a glass door. On some models we also offer solid door options. **Please contact us for more information.**

**Buying from Bar Fridges New Zealand will give you peace of mind that you are getting expert advice and buying quality brand fridges built to last.**



*For any questions, please contact our friendly team on 04 526 6009 or email [sales@barfridges.co.nz](mailto:sales@barfridges.co.nz)*