# The Austral Group

Austral Refrigeration specialises in the design, manufacture, installation, and service of commercial refrigeration equipment and systems for supermarkets, convenience stores, and liquor stores in Australia, New Zealand, and the Asia Pacific region.

Austral designs and manufactures K-Series refrigerated display merchandisers and TechniDoors glass doors and inserts, specialised refrigeration systems. Austral maintains a standard product range but are also flexible in adapting our manufacturing processes to meet specific customer needs.

We are proud to supply equipment to major Australian and New Zealand retail companies such as Woolworths, Aldi, Coles, Bi-Lo, Franklins Liquorland, Metcash/IGA, BP, and Foodstuffs.

**K-SERIES**
This next generation, energy-efficient range of merchandisers includes a wide range of multi-decks, Island and glass door freezers, and serviced display cases, designed for excellent product visibility, merchandising capacity, and aesthetic appearance.

**DESIGN AND INSTALL**
Our experienced engineering and technical staff are capable of designing and installing refrigeration systems and components that are suitable to meet the most complex store requirements. Austral aims to provide the best design solution incorporating cost effective, energy efficient equipment to meet our customers' needs.

**SERVICE**
Austral provides a 24-hour breakdown service and comprehensive and preventative maintenance programs. Austral employs over 400 technicians, mechanics, engineers, and other dedicated staff (including over 50 apprentices) throughout Australia and New Zealand. We are proud to maintain the highest level of professionalism and knowledge in our industry through our apprenticeship program.

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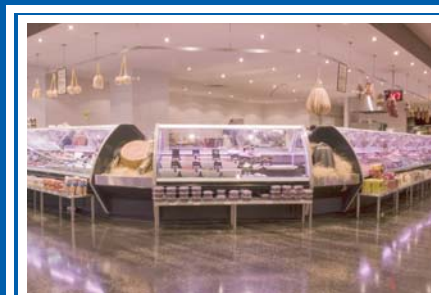NSW 2761
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AustralGroup.com

# TECHNIDOORS

BY austral REFRIGERATION

Clearly the best display doors

# "ARDCO" WALK-THRU INSERT SIZES
## SINGLE OR DOUBLE ACTING

### NORMAL TEMPERATURE

| Unheated Two-Pane Glass 50% \ Stainless Steel 50% | | 11 *INSERT OPENING | |
|---|---|---|---|
| MODEL NO. & DOOR SIZE | DOORS | HEIGHT | WIDTH |
| TA15\TA18 | 1 | 2000mm | 800mm |
| Actual Door Size 1965mm x 759mm | 2 | | 1574mm |
| TA900 Single Acting | 1 | 2140mm | 941mm |
| Actual Door Size 2105mm x 900mm | 2 | | 1856mm |
| TA900 Double Acting | 1 | 2140mm | 941mm |
| Actual Door Size 2027mm x 900m | 2 | | 1856mm |

ALTERNATIVE GLASS TO PANEL ARE AVAILABLE UPON REQUEST.

### HEATED NORMAL TEMPERTATURE

| Heated Triple Glazed Gas Filled Safety Glass \ Stainless Steel Kickplate | | 11 *INSERT OPENING | |
|---|---|---|---|
| MODEL NO. & DOOR SIZE | DOORS | HEIGHT | WIDTH |
| TA115\TA18 | 1 | 2000mm | 800mm |
| Acutal Door Size 1965mm x 759mm | 2 | | 1574mm |
| TA900 Single Acting | 1 | 2140mm | 941mm |
| Actual Door Size 2105mm x 900mm | 2 | | 1856mm |
| TA900 Double Acting | 1 | 2140mm | 941mm |
| Acutal Door Size 2027mm x 900mm | 2 | | 1856mm |

To Calculate the "hole in the wall" size add 3mm to the height and 5mm to the width. Add a Further 47mm between adjacent frames for a supporting post.

# "ARDCO" INSERT ASSEMBLIES
## ELECTRICAL SPECIFICATIONS - POWER REQUIREMENTS
### @ 240V 50Hz

LIGHTING
AMPS PER LIGHT (58/65W)
NORMAL TEMPERATURE INSERT - UNHEATED DOOR FRAMES & 2 PANE UNHEATED GLASS

| MODEL | TOTAL HEATER AMPS (FRAME ONLY) |
|---|---|
| TA600 1525mm x 600mm | 0.28 x Number of Doors |
| MID RANGE 1600mm x 750mm | 0.3 x Number of Doors |
| TA18 1829mm x 750mm | 0.4 x Number of Doors |

NORMAL TEMPERATURE INSERT - HEATED DOOR FRAMES & 2 PANE UNHEATED GLASS

| MODEL | TOTAL HEATER AMPS (FRAME ONLY) |
|---|---|
| TA600 1525mm x 600mm | 0.4 x Number of Doors |
| MID RANGE 1600mm x 750mm | 0.5 x Number of Doors |
| TA18 1829mm x 750mm | 0.6 x Number of Doors |

NORMAL TEMPERATURE INSERT - HEATED DOOR FRAMES AND 3 PANE HEATED GLASS

| MODEL | TOTAL HEATER AMPS (FRAME ONLY) |
|---|---|
| TA600 1525mm x 600mm | 0.7 x Number of Doors |
| MID RANGE 1600mm x 750mm | 0.9 x Number of Doors |
| TA18 1829mm x 750mm | 1.1 x Number of Doors |

LOW TEMPERATURE INSERT - HEATED DOOR FRAMS & 3 PANE HEATED GLASS

| MODEL | TOTAL HEATER AMPS (FRAME ONLY) |
|---|---|
| TA600 1525mm x 600mm | 0.9 x Number of Doors |
| MID RANGE 1600mm x 750mm | 1.25 x Number of Doors |
| TA18 1829mm x 750mm | 1.35 x Number of Doors |

# DOOR AND INSERT SPECIFICATIONS

| Glasspack Type | Room (Ambient) Temperature | Operating Temperature of the Case or Coolroom | | | |
|---|---|---|---|---|---|
| | | -23° C | -12° C | -1° C | +4° C |
| HEATED | 21° C | 78% | 92% | 100% | 100% |
| Triple Glazed | 27° C | 73% | 86% | 100% | 100% |
| (Gas Filled - Toughened) | 32° C | 69% | 80% | 94% | 100% |
| | | | | | |
| HEATED | 21° C | 61% | 73% | 87% | 94% |
| Double Glazed | 27° C | 59% | 69% | 82% | 88% |
| (Air Filled - Toughened) | 32° C | 56% | 66% | 78% | 82% |
| | | | | | |
| PASSIVE | 21° C | | | 73% | 79% |
| Triple Galzed | 27° C | | | 68% | 73% |
| (Low "E" - Toughened) | 32° C | | | 64% | 67% |
| | | | | | |
| PASSIVE | 21° C | | | 61% | 70% |
| Double Glazed | 27° C | | | 56% | 64% |
| (Annealed Fload Glass) | 32° C | | | 52% | 58% |
| % Relative Humidity @ which Condensation forms on the glass | | | | | |

## REACH - IN INSERT DIMENSIONS

| Door Type | Door Size mm (H x W) | Insert Frame Dimensions (mm)* | | | | | |
|---|---|---|---|---|---|---|---|
| | | Height | Width - Number of Doors | | | | |
| | | | 1 | 2 | 3 | 4 | 5 |
| TA7 | 715 x 595 | 752 | 636 | 1243 | 1850 | 2457 | 3116 |
| TA14 | 1417 x 716 | 1454 | 757 | 1485 | 2213 | 2941 | 3669 |
| TA15 | 1597 x 759 | 1634 | 800 | 1571 | 2342 | 3113 | 3884 |
| TA16 | 1602 x 713 | 1639 | 754 | 1479 | 2204 | 2929 | 3654 |
| TA17 | 1710 x 713 | 1747 | 754 | 1479 | 2204 | 2929 | 3654 |
| TA18 | 1829 x 759 | 1866 | 800 | 1571 | 2342 | 3113 | 3884 |
| TA600 | 1525 x 600 | 1562 | 641 | 1253 | 1865 | 2477 | 3089 |
| TA636 | 1602 x 636 | 1639 | 677 | 1325 | 1973 | 2621 | 3269 |
| TA900 | 1829 x 900 | 1866 | 941 | 1853 | 2765 | 3677 | na |

## WALK - THROUGH INSERT DIMENSIONS

| Door Type | Door Size mm (H x W) | KickPlate H | Insert Frame Dimentions (mm)** | | | |
|---|---|---|---|---|---|---|
| | | | Single Acting | | Double Acting | |
| | | | 1 Door H x W | 2 Door H x W | 1 Door H x W | 2 Door H x W |
| WSTA15 | 1965 x 759 | 334 | 2000 x 800 | 2000 x 1574 | | |
| WDTA15 | 1965 x 759 | 334 | | | 2078 x 831 | 2078 x 1620 |
| WSTA18 | 1965 x 759 | 102 | 2000 x 800 | 2000 x 1574 | | |
| WDTA18 | 1965 x 759 | 102 | | | 2078 x 831 | 2078 x 1620 |
| WSTA900 | 2105 x 900 | 242 | 2140 x 941 | 2140 x 1856 | | |
| WDTA900 | 2027 x 900 | 164 | | | 2140 x 972 | 2140 x 1902 |

**Add 23mm to height and 47mm to width for flange tip to top dimensions