



## Arrowsmith & Grant

Refrigeration



### Medical Refrigeration

The Arrowsmith & Grant medical range includes a large choice of blood holding refrigeration cabinets, plasma holding freezers, rapid plate freezers, reagent/vaccine refrigerators, blood holding cool rooms and freezer rooms.

## Blood Holding Refrigerators

### ► AG36BP

Holds  
60 x 450ml  
blood packs

Dimensions:  
Ext Width 535mm  
Ext Depth 725mm  
Ext Height 1520mm



### ► AG112BP

Holds  
260 x 450ml  
blood packs

Dimensions:  
Ext Width 805mm  
Ext Depth 805mm  
Ext Height 2000mm



### ► AG63BP

Holds  
156 x 450ml  
blood packs

Dimensions:  
Ext Width 650mm  
Ext Depth 805mm  
Ext Height 1810mm



### ► AG224BP

Holds  
320 x 450ml  
blood packs

Dimensions:  
Ext Width 1475mm  
Ext Depth 805mm  
Ext Height 2000mm



### ► AG56BPUB

Holds  
104 x 450ml  
blood packs

Dimensions:  
Ext Width 1080mm  
Ext Depth 775mm  
Ext Height 825mm



### ► AG308BP

Holds  
676 x 450ml  
blood packs

Dimensions:  
Ext Width 2065mm  
Ext Depth 805mm  
Ext Height 2000mm



Blood holding refrigerators operate on R507 or R134a refrigerant. The cooling evaporator is fan forced with off cycle defrost and electronic alarm control that has a visual display of temperature.

## Fresh Frozen Plasma Freezers

### ► AG44FFPUB

Holds  
44 x 350ml  
Plasma packs  
Dimensions:  
Ext Width 1290mm  
Ext Depth 775mm  
Ext Height 860mm



### ► AG76FFPCF

Holds  
76 x 350ml  
Plasma packs  
Dimensions:  
Ext Width 725mm  
Ext Depth 780mm  
Ext Height 1070mm



### ► AG136FFPUR

Holds  
136 x 350ml  
Plasma packs  
Dimensions:  
Ext Width 900mm  
Ext Depth 895mm  
Ext Height 2015mm



**Fresh Frozen Plasma (FFP) Freezers** operate on R507 refrigerant to  $-35^{\circ}\text{C}$  and maintain at  $-30^{\circ}\text{C}$  product temperature during usage and defrost. The cooling evaporator is fan forced with reverse cycle defrost (chest freezer is manual defrost).

## Self Testing Alarm System

Our new self testing alarm system consists of an easy to use touch screen panel. The touch screen panel can perform the following functions:

- Hi/low alarm test (low alarm not required for plasma freezers)
- Battery condition and remote alarm testing
- Chart recorder and alarm systems are synchronised when testing high and low set points
- Probe failure alarm
- Power fail alarm, battery low alarm
- Decimal point temperature display.



The main screen has both the alarm temperature and alarm set point(s) displayed. The alarm main screen flashes red and has an audible alarm which can be muted.

## QCPP Compliant Vaccine Refrigerators

### ► AG145V\*

Volume 145 Litres  
Dimensions:  
Ext Width 610mm  
Ext Depth 610mm  
Ext Height 820mm



### ► AG300V\*

Volume 300 Litres  
Dimensions:  
Ext Width 610mm  
Ext Depth 700mm  
Ext Height 1670mm



### ► AG430V\*

Volume 400 Litres  
Dimensions:  
Ext Width 610mm  
Ext Depth 700mm  
Ext Height 1870mm



**QCPP Compliant Vaccine Refrigerators** are Australian designed for Australian conditions and accreditation.

\* These vaccine fridges are not manufactured by Arrowsmith and Grant.

## Rapid Plate Freezers

### ► RPF 75

3 Chambers  
75 x 350mL, or 30 x 1000mL  
Plasma packs total  
Dimensions:  
Ext Width 2350mm  
Ext Depth 1100mm  
Ext Height 980mm + screen



Arrowsmith and Grant Plate freezers freeze plasma from +25°C to -30°C core temperature in 60 minutes or less. Other Plate Freezer models are available. Please contact us for specifications and pricing.

## Refrigeration Specifications

Features	A030SP	A055FPJ3	A060SP	A070SP	A080SP	A090SP	A095FPJ3	A095FPJ3	A095FPJ3	A095FPJ3	A095FPJ3	A095FPJ3	A095FPJ3
AS3854-2012 Compliant	*	*	*	*	*	*	*	*	*	*	*	*	*
TGA Accredited	*	*	*	*	*	*	*	*	*	*	*	*	*
QOPP Compliant	*	*	*	*	*	*	*	*	*	*	*	*	*
Touch Screen Alarm Control	*	*	*	*	*	*	*	*	*	*	*	*	*
Self Testing Alarm System	*	*	*	*	*	*	*	*	*	*	*	*	*
Power Fail Alarm	*	*	*	*	*	*	*	*	*	*	*	*	*
Low Temp Alarm	3.5°C	3.5°C	3.5°C	3.5°C	3.5°C	3.5°C	3.5°C	3.5°C	3.5°C	3.5°C	3.5°C	3.5°C	3.5°C
High Temp Alarm	8.5°C	8.5°C	8.5°C	8.5°C	8.5°C	8.5°C	8.5°C	8.5°C	8.5°C	8.5°C	8.5°C	8.5°C	8.5°C
Alarm Battery Back Up	*	*	*	*	*	*	*	*	*	*	*	*	*
Amperage	3.3A	3.2A	3.1A	3.0A	2.9A	2.8A	2.7A	2.6A	2.5A	2.4A	2.3A	2.2A	2.1A
Voltage	240V 50Hz	240V 50Hz	240V 50Hz	240V 50Hz	240V 50Hz	240V 50Hz	240V 50Hz	240V 50Hz	240V 50Hz	240V 50Hz	240V 50Hz	240V 50Hz	240V 50Hz
Total Weight	95kg	105kg	115kg	125kg	135kg	145kg	155kg	165kg	175kg	185kg	195kg	205kg	215kg
Refrigerant	R134A 0.42kg	R134A 0.44kg	R134A 0.46kg	R134A 0.48kg	R134A 0.50kg	R134A 0.52kg	R134A 0.54kg	R134A 0.56kg	R134A 0.58kg	R134A 0.60kg	R134A 0.62kg	R134A 0.64kg	R134A 0.66kg
Remote Alarm Contacts	*	*	*	*	*	*	*	*	*	*	*	*	*
Super Flow Cooling System	*	*	*	*	*	*	*	*	*	*	*	*	*
7 day Chart Recorder	*	*	*	*	*	*	*	*	*	*	*	*	*
Automatic Defrost	*	*	*	*	*	*	*	*	*	*	*	*	*
LED Lighting	*	*	*	*	*	*	*	*	*	*	*	*	*
304 Grade Stainless Exterior and Interior	*	*	*	*	*	*	*	*	*	*	*	*	*
White Enamel Steel Exterior and Interior	*	*	*	*	*	*	*	*	*	*	*	*	*
Nylon Non-Marking Casters	*	*	*	*	*	*	*	*	*	*	*	*	*
Caster Brakes	*	*	*	*	*	*	*	*	*	*	*	*	*
Leveling Feet	*	*	*	*	*	*	*	*	*	*	*	*	*
Double Glazed Argon Filled Doors	*	*	*	*	*	*	*	*	*	*	*	*	*
Solid Door	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Internal Self Closing Perspex Doors	*	*	*	*	*	*	*	*	*	*	*	*	*
Door Lock	*	*	*	*	*	*	*	*	*	*	*	*	*
Polycarbon Shelving	*	*	*	*	*	*	*	*	*	*	*	*	*
Vacuum Formed Blood Trays	*	*	*	*	*	*	*	*	*	*	*	*	*
Polycarbon Baskets	*	*	*	*	*	*	*	*	*	*	*	*	*
Warranty Labour	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year
Warranty Parts	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year
Warranty Compressor/Sealed System	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years
250ml Blood Pack	120	120	120	120	120	120	120	120	120	120	120	120	120
450ml Blood Pack	60	60	60	60	60	60	60	60	60	60	60	60	60
350ml Plasma Pack													



## Designed and Manufactured in Australia, for Australia

Arrowsmith & Grant were established in 1990. We have developed and refined our engineering and design processes to produce high quality Blood Refrigerators and Plasma Holding Freezers for use in the Australian medical industry. All our manufacturing is carried out in Australia and our refrigeration systems use the latest technology and fabrication designs. We have a dedicated service team to service and maintain all Blood Refrigerators and Plasma Holding Freezers.

The Arrowsmith & Grant medical range includes a large choice of blood holding refrigeration cabinets, -35°C plasma holding freezers, rapid plate freezers, -80°C freezers, reagent/vaccine refrigerators, blood holding cool rooms and -40°C freezer rooms. The -40°C Freezers use Arrowsmith & Grant's two stage technology for low temperature refrigeration systems.

Arrowsmith & Grant products are designed and manufactured for Australian conditions. Blood Refrigerators and Plasma Freezers cabinets are made to Australian Standards AS3864-2012 and AS ISO13485-2003 quality management systems for medical devices and our own strict criteria for medical refrigeration. Arrowsmith & Grant are a Quality Endorsed Company and comply with the requirements of AS/NZ ISO 9001:2009 for quality management systems and are also NATA accredited for ISO17020 and ISO17025.

Our Blood Refrigerators and Plasma Freezers are Therapeutic Goods Administration (TGA) approved and have been included on the Australian Register of Therapeutic Goods (ARTG) under our client ID's of 169409 and 169410.



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