



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 555mm
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
520 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 815mm
Ext Height 2015mm



Fresh Frozen Plasma (FFP) Freezers operate on R507 refrigerant to -35°C and maintain at -30°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.

Refrigeration Specifications

Features	AG36BP	AG56BPUB	AG63BP	AG112BP	AG224BP	AG308BP	AG44FFPUB	AG76FFPCF	AG136FFPUR	AG145V	AG300V	AG430V
AS3864-2012 Compliant	•	•	•	•	•	•	•	•	•			
TGA Accredited	•	•	•	•	•	•	•	•	•			
QCPP Compliant										•	•	•
Touch Screen Alarm Control	•	•	•	•	•	•	•	•	•			
Self Testing Alarm System	•	•	•	•	•	•	•	•	•			
Power Fail Alarm	•	•	•	•	•	•	•	•	•			
Low Temp Alarm	2.5°C	2.5°C	2.5°C	2.5°C	2.5°C	2.5°C	n/a	n/a	n/a	2°C	2°C	2°C
High Temp Alarm	5.5°C	5.5°C	5.5°C	5.5°C	5.5°C	5.5°C	-27°C	-27°C	-27°C	8°C	8°C	8°C
Alarm Battery Back Up	•	•	•	•	•	•	•	•	•	•	•	•
Amperage	3.1A	3.2A	3.1A	4.1A	4.9A	5.6A	5A	4.5A	6.7A	1.05A	1.5A	1.7A
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
Total Weight	95kg	128kg	120kg	168kg	285kg	320kg	135kg	78kg	150kg	43kg	71kg	84kg
Refrigerant	R134A 0.42kg	R134A 0.44kg	R507 0.38kg	R507 0.55kg	R507 1.4kg	R507 1.7kg	R507 1.0kg	R507 1.1kg	R507 1.65kg	R134A 0.065kg	R134A 0.225kg	R134A 0.24kg
Remote Alarm Contacts	•	•	•	•	•	•	•	•	•	•	•	•
Super Flow Cooling system			•	•	•	•	•	•	•			
7 day Chart Recorder	•	•	•	•	•	•	•	•	•	Opt	Opt	Opt
Automatic Defrost	•	•	•	•	•	•	•	•	•	•	•	•
LED Lighting	•	•	•	•	•	•	•	•	•	•	•	•
304 Grade Stainless Exterior and Interior	•	•	•	•	•	•	•	•	•			
White Enamel Steel Exterior and Interior										•	•	•
Nylon Non-Marking Castors	•	•	•	•	•	•	•	•	•			
Castor Brakes		•						•				
Leveling Feet	•	•	•	•	•	•	•	•	•	•	•	•
Double Glazed Argon Filled Doors	•	•	•	•	•	•				•	•	•
Solid Door	Opt	Opt	Opt	Opt	Opt	Opt	•	•	•	Opt	Opt	Opt
Internal Self Closing Perspex Doors	•	•	•	•	•	•		•	•			
Door Lock	•	•	•	•	•	•	•	•	•	•	•	•
Polycoated Shelving	•	•	•	•	•	•	•	•	•	•	•	•
Vacuum Formed Blood Trays	•	•	•	•	•	•						
Polycoated 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
Warranty Parts	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	2 year	2 year	2 year
Warranty Compressor/Sealed System	5 years	5 years	5 years	5 years	5 years	5 years	3 years	3 years	3 years	n/a	n/a	n/a
250mL Blood Pack	120	208	312	520	1040	1352						
450mL Blood Pack	60	104	156	260	520	672						
350mL Plasma Pack							44	76	136			



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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