ASUKA
INSTALLATION ACCESSORIES

airLOC

VORTEX
FLEX-DUCT

smartline

select range

iZone

RX SERIES

MORRISSON

ARADON-FR

ARADON

NITRILE-FR

RLS

HVAC
HARDWARE

AUSTRALIAN
AIRCONDITIONING
DISTRIBUTORS

COMPONENTS CATALOGUE

2023

AUSTRALIAN AIRCONDITIONING DISTRIBUTORS

ONE STOP, HVAC SHOP!

DIRECT TO TRADE

OUR VISION

TO BE THE LEADING DIVERSIFIED HVAC PROVIDER IN AUSTRALIA, DELIVERING OUTSTANDING CUSTOMER VALUE AND SERVICE.

OUR VALUES

RESPECT

We build and value relationships, celebrate our successes, yet we remain humble and united in our goals.

- We're a friendly bunch. Treat everyone equally and respectfully.
- Take responsibility for achieving your objectives. Comply with company policies. Ask questions if you're uncertain.
- Develop good working relationships with those around you.

PASSION

We're positive, "can do" people, challenging, delivering and inspiring all those around us.

- Always be positive and professional, even when confronted with problems. It's never OK to take out your frustrations on team mates.
- Aim to exceed your customers' expectations.
- Use your initiative to find solutions to problems.

GROWTH

We push ourselves to be our best, learning from challenges, planning for the future, and continuing to innovate and evolve. ***What's next for you?***

- Seek out feedback to improve your performance & accept it positively. It's there to help you.
- Consider what else you can be doing to better meet your customers' needs. There's always something more that can be done.
- We're not perfect. Don't just accept the status quo, look for opportunities for innovation or to increase sales.

COMPANY SERVICES

ABOUT US

Being a values driven business, AAD is a new generation of wholesaling. We are completely focused on supporting the needs of trades-people servicing the commercial & residential HVAC industry. We stock a complete range of equipment from refrigerated & evaporative air conditioning units and gas ducted heaters, to components such as duct, fittings, grilles, spare parts and accessories. With over 100 years of combined experience in design, application and installation, you'll find everything you need for your next project right here.

SERVICES WE PROVIDE TO AAD MEMBERS

Wholesale Prices on our entire, extensive range of world class units from all the best brands.
We also stock an extensive range of quality components.

Dedicated Commercial Range of VRF equipment, roof top package units, chillers and large split ducted systems.

Convenient Ordering with our quick and easy order processing via phone, email or online.

Extended Trading Hours to save you time that is better spent on-site.

Complete Delivery Service direct to site, express service or hold overnight, and we can be ready to meet you on-site as early as 7am.

Technical Advice from our experienced counter sales team and qualified mechanical engineers. Our team provide invaluable technical support and solutions to support AAD members in the field.

Technical Training Courses through regular training sessions on products, applications & design to keep our members up to date and well informed.

DELIVERY SERVICES

For deliveries within the metro area, ask our team for pricing with your next order.
Deliveries can be made first thing in the morning until after 5:00pm at night.

Please allow a 3 hour turn around time between ordering and delivery (unless pre-ordered the previous business day).

- Early morning next day delivery requests should be made by 2:00pm the day prior.
- Delivery times are based on the service availability of couriers and AAD drivers.
- For delivery requirements outside of the metro area, please call us to request a quote and time frame.
- Please ensure there are people on-site to meet the driver and are equipt to unload the goods.

SAL

SALES › ACCOUNTS › LOGISTICS

BUSINESS MANAGEMENT SOLUTION

Packed with loads of features

Designed with HVAC Business Owners in mind, this online resource features a wide variety of business tools to maximise your productivity.

PRICING ON THE GO

No matter what time of the day or night!

Get instant access to your live account pricing to speed up your quoting process.

UNLIMITED QUOTES

Utilise the system as a virtual filing system

Name and save as many quotes as you like, and refer back to them or convert them to orders when you need them.

SPLIT ORDERS

Save cash flow, split orders into stages

Order what you need for both rough-in and fit off, then take the goods as you require them.

ACCOUNT MANAGEMENT

Keep on top of the books

View your account balance in live time and get instant access to previous invoices.

LOGISTICS MANAGEMENT

Coordinate multiple jobs & deliveries

SAL's Logistics platform serve as a great system for you to manage your busy schedule. It can handle multiple jobs in progress, and gives you live tracking updates on deliveries.

How to sign up?

Simply call **1300 223 223**, contact your local branch or visit www.aad.net.au to register for your SAL account.

FREE NOW

Join now to receive unlimited FREE access to SAL and all of it's features across all devices.

aad.net.au

1300 223 223

LOCATIONS

ARNDELL PARK (NSW Head Office & Distribution Centre)

NEW SOUTH WALES

Operating Hours
Weekdays: 6:00am - 5:00pm
Saturday: 7:00am - 11:00am

26 Penny Place
Arndell Park, NSW 2148

(02) 9831 8286
arndell@aad.net.au

ATHOL PARK (SA Head Office & Distribution Centre)

SOUTH AUSTRALIA

Operating Hours
Weekdays: 7:00am - 5:00pm
Saturday: 7:30am - 11:30am

3 White Avenue
Athol Park, SA 5012

(08) 8166 3662
atholpark@aad.net.au

CLAYTON (Head Office & Distribution Centre)

VICTORIA *Servicing the **South East Suburbs***

Operating Hours
Weekdays: 7:00am - 5:00pm
Saturday: 7:30am - 11:30am

1535 Centre Road
Clayton, VIC 3168

1300 223 223 (Ext. 1)
clayton@aad.net.au

BAYSWATER

VICTORIA *Servicing the **Eastern Suburbs***

Operating Hours
Weekdays: 7:00am - 5:00pm
Saturday: 7:30am - 11:30am

9-11 Turbo Dr
Bayswater North, VIC 3153

(03) 9720 1977
bayswater@aad.net.au

EPPING

VICTORIA *Servicing the **Northern Suburbs***

Operating Hours
Weekdays: 7:00am - 5:00pm
Saturday: 7:30am - 11:30am

65 Gateway Boulevard
Epping, VIC 3076

03) 9099 8860
epping@aad.net.au

GEELONG

VICTORIA *Servicing the **City of Greater Geelong***

Operating Hours
Weekdays: 7:00am - 5:00pm
Saturday: 7:30am - 11:30am

1 Hume Reserve Court
Bell Park, VIC 3215

(03) 8571 7878
bellpark@aad.net.au

PAKENHAM

VICTORIA *Servicing South Eastern Suburbs*

Operating Hours
Weekdays: 7:00am - 5:00pm
Saturday: 7:30am - 11:30am

11-13 Innovation Way
Pakenham, VIC 3810

(03) 5929 8087
pakenham@aad.net.au

TRARALGON

VICTORIA *Servicing Gippsland*

Operating Hours
Weekdays: 7:00am - 5:00pm
Saturday: 7:30am - 11:30am

58 Rocla Rd
Traralgon, VIC 3844

(03) 4138 8006
traralgon@aad.net.au

HALLAM

VICTORIA *Servicing the **South East Suburbs***

Operating Hours
Weekdays: 7:00am - 5:00pm
Saturday: 7:30am - 11:30am

59-65 Wedgewood Rd
Hallam, VIC 3803

(03) 8786 3990
hallam@aad.net.au

LAVERTON

VICTORIA *Servicing the **Western Suburbs***

Operating Hours
Weekdays: 7:00am - 5:00pm
Saturday: 7:30am - 11:30am

22 Westside Drive
Laverton North, VIC 3026

(03) 9314 9679
laverton@aad.net.au

MORNINGTON

VICTORIA *Servicing the **Mornington Peninsula***

Operating Hours
Weekdays: 7:00am - 5:00pm
Saturday: 7:30am - 11:30am

9 Bayport Ct
Mornington, VIC 3931

(03) 8571 7888
mornington@aad.net.au

TULLAMARINE

VICTORIA *Servicing the **North West Suburbs***

Operating Hours
Weekdays: 7:00am - 5:00pm
Saturday: 7:30am - 11:30am

112 Lambeck Drive
Tullamarine, VIC 3043

(03) 9338 8489
tullamarine@aad.net.au

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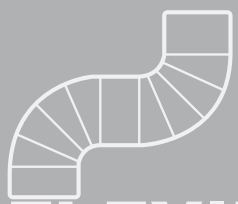


FLEXIBLE DUCT

VORTEX
FLEX-DUCT

FLEXIBLE DUCT

- Metalised inner core wrapped in R1.0 polyester insulation covered in a metalised outer fire jacket.
- Operating Temperature -20°C to +80°C
- Operating Pressure -190pa + 1200pa
- Black inner core
- Domestic and Commercial Systems - Heating or Cooling
- Complies with AS4254.1

Vortex Duct Complies with Australian Standard AS 4254.1

R1.0 Is now the minimum standard R-Value for domestic roof or under floor installations

- Gas Ducted
- Add-On Cooling or Reverse Cycle
- Evaporative Cooling

R1.5 Is required in many combined heating and cooling installations including those installed in alpine regions (Climate Zone 8)

- Absence of sarking directly beneath the roofing
- Underfloor space is not enclosed by brickwork or cladding

R0.6 can still be used within the insulated building envelope - within the floor trusses or posy-struts between floors in a multi-storey dwelling, or within internal service risers.

Ductwork insulation is defined by the "insulation blanket R-value"

For commercial there are a number of varying R-value requirements – please refer ADMA website or find a copy of the NCC @ www.adma.net.au

Vortex Duct colour coded bags:

150mm 200mm 250mm 300mm 350mm 400mm 450mm 500mm

VORTEX PREMIUM - R1.0

AUSSIE MADE

- 6M

PART NO.	SIZE (mm)
VB150	150
VB200	200
VB250	250
VB300	300
VB350	350
VB400	400
VB450	450
VB500	500

VORTEX PREMIUM EXTRA - R1.5

AUSSIE MADE

- 6M

PART NO.	SIZE (mm)
VB155	150
VB205	200
VB255	250
VB305	300
VB355	350
VB405	400
VB455	450
VB505	500

FLEXIBLE DUCT

VORTEX - R0.6

AUSSIE MADE

- 6M

PART NO.	SIZE (mm)
VF150	150
VF200	200
VF250	250
VF300	300
VF350	350
VF400	400
VF450	450
VF500	500

VORTEX ACOUSTIC - R1.0

AUSSIE MADE

- 6M

PART NO.	SIZE (mm)
VH150	150
VH200	200
VH250	250
VH300	300
VH350	350
VH400	400
VH450	450

- Not stocked at all locations, avaliable upon request

VORTEX SUPERIOR - R2.0

AUSSIE MADE

- 6M

PART NO.	SIZE (mm)
VS150	150
VS200	200
VS250	250
VS300	300
VS350	350
VS400	400
VS450	450
VS500	500

- Available upon request - Allow 7 days P.O.A

FLEXIBLE DUCT

3 ZERO NUDE CORE

- Metalised Core - General Use: Exhaust - Ventilation Systems
- Fire Rated
- Operating Temperature -20°C to +80°C
- Operating Pressure -190pa to +1200pa
- 6M

PART NO.	SIZE (mm)
NC64	100
NC65	125
NC66	150
NC68	200
NC610	250
NC612	300
NC614	350

4 ZERO NUDE CORE

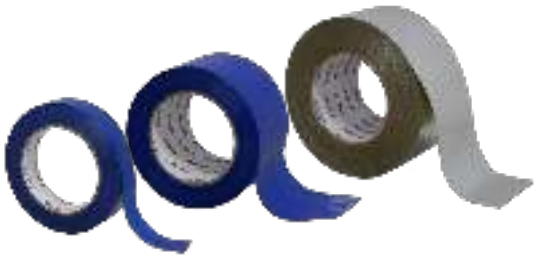
- 1 Layer metalised film (outer layer)
- Water based Flame Retardant adhesive
- 1 Layer of aluminium laminate to 1 layer of clear film (2 layers)
- Ideal for rangehoods
- 6M

PART NO.	SIZE (mm)
4ZNC5	125
4ZNC6	150
4ZNC8	200

DUCT TAPE

PART NO.	DESCRIPTION	SIZE (mm)
DTAPE	GREY	48 - 30M
BTAPE	BLACK	48 - 30M

HANGING STRAP



PART NO.	DESCRIPTION	SIZE (mm)
HTAPE	HANG TAPE	25 - 50M
HS75	HANG STRAP	75 - 50M
SHS75	SISALATION	75

DUCT TIE

- Bags of 100

PART NO.	Size (mm)	COLOUR
DT1200/100	1200 x 9	White

GRILLES & DIFFUSERS

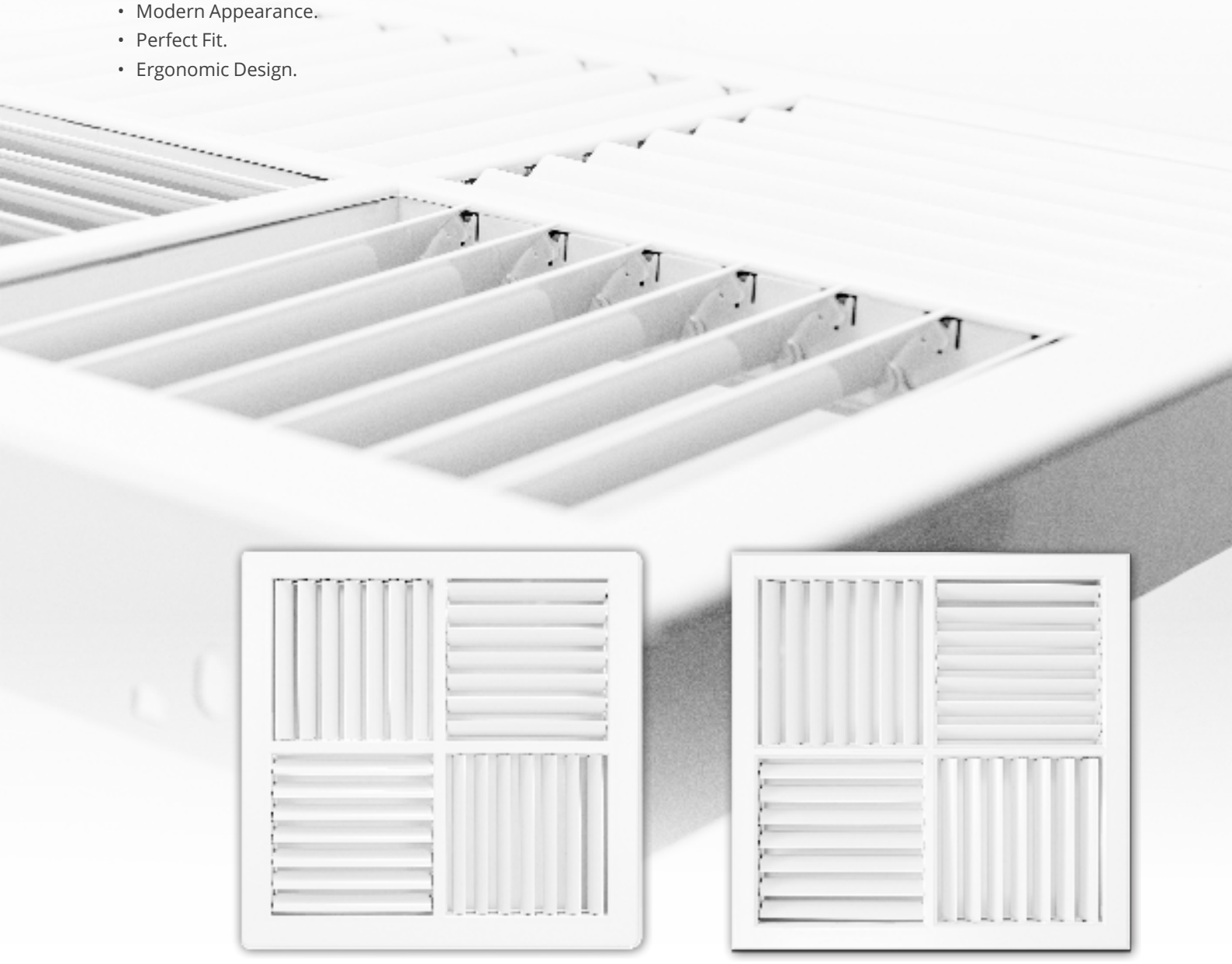
smartline

smartline

OUR EXPANDED RANGE OF ABS GRILLES AVAILABLE IN MATT OR GLOSS

MDO's **Jet Diffusers** **Return Air's**

- **A full range of Grilles available in Gloss or Matt.**
  Whether you're installing an evaporative cooler or a gas ducted system, we've got matching grilles for the whole job in matt or gloss finishes...
- **Matching finishes to complete the look.**
  - We've got MDO's, Jet Diffusers and Return Air's.
  - Give your customer a consistant look and feel.
- **MDO, Jet Diffusers, Return Air's - the full range.**
  - Contemporary Style.
  - Modern Appearance.
  - Perfect Fit.
  - Ergonomic Design.



MDO'S

smartline

Contemporary Style
Matt or Gloss Finish.

Modern Appearance
Recessed louvres for a cleaner profile.

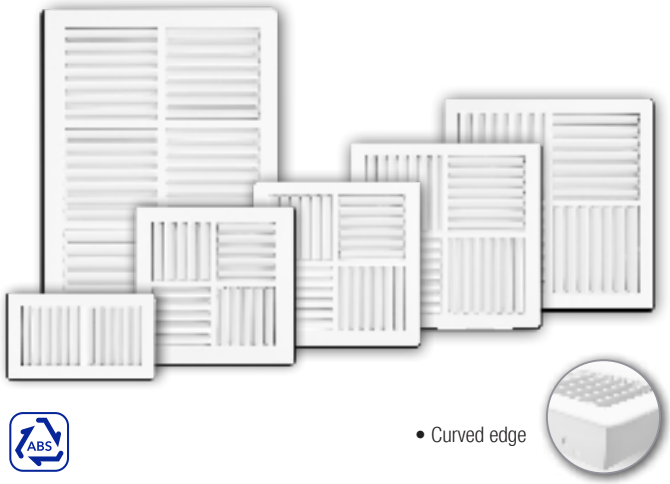
Perfect Fit
Clip in modules ensure they stay in place especially when wall mounting is required, Unlike spring loaded snap systems our mounting clips ensure a snug fit to any surface.

Ergonomic Design
Mounting clips makes installation an ease with no more sore fingers as they are easily installed and equally easy to remove.

Built in Resistance
Louvres are designed to rotate with resistance to get that desired airflow.

ABS
Our grilles are manufactured with ABS Plastic which is more resistant to discouloring.

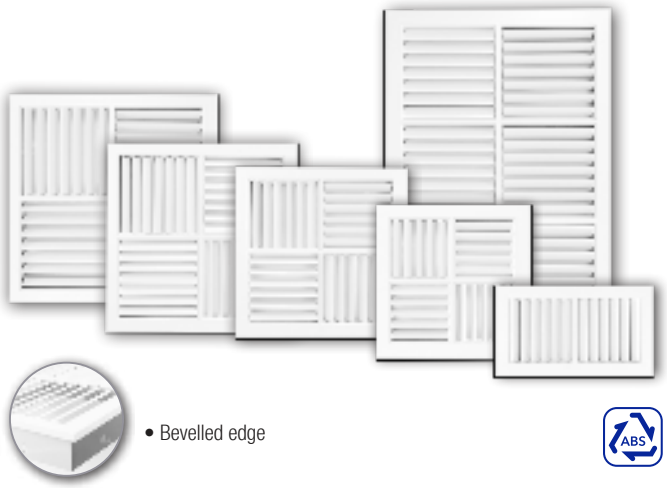
smartline - MATT



• Curved edge

PART NO.	MODULES	SIZE (mm)
SR15	2 WAY	300 x 150
SR24	4 WAY	240 x 240
SR30	4 WAY	300 x 300
SR36	4 WAY	360 x 360
SR40	4 WAY	400 x 400
SR54	6 WAY	540 x 360

smartline - GLOSS



• Bevelled edge

PART NO.	MODULES	SIZE (mm)
ER15	2 WAY	300 x 150
ER24	4 WAY	240 x 240
ER30	4 WAY	300 x 300
ER36	4 WAY	360 x 360
ER40	4 WAY	400 x 400
ER54	6 WAY	540 x 360

ADAPTORS

PART NO.	SUITS	SIZE (mm)
SRA1515	SR15, ER15	150
SRA1520	SR15, ER15	200
SRA1525	SR15, ER15	250
SRA2415	SR24, ER24	150
SRA2420	SR24, ER24	200
SRA2425	SR24, ER24	250
SRA3020	SR30, ER30	200
SRA3025	SR30, ER30	250
SRA3030	SR30, ER30	300
SRA3630	SR36, ER36	300
SRA3635	SR36, ER36	350
SRA3640	SR36, ER36	400
SRA4035	SR40, ER40	350
SRA4040	SR40, ER40	400
SRA5440	SR54, ER54	400
SRA5445	SR54, ER54	450
SRA5450	SR54, ER54	500

CUSHION HEAD

- Fits SR24
- Double pop 150/200mm Cut to Size

PART NO.	SUITS	SIZE (mm)
SRCH2486	SR24, ER24	150/200

JET DIFFUSERS

smartline

smartline - MATT

PART NO.	SIZE (mm)
CJ150	150
CJ200	200
CJ250	250

ABS Matt Curved Edge

smartline - GLOSS

PART NO.	SIZE (mm)
EJ150	150
EJ200	200
EJ250	250

Gloss Bevelled Edge ABS

smartline

CONE DIFFUSERS

PART NO.	SIZE (mm)
CD150	150
CD200	200
CD250	250
CD300	300

ROUND EGGCRATES

PART NO.	SIZE (mm)
ECR150	150
ECR200	200

SQUARE EGGCRATES

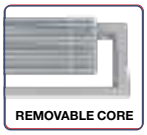
PART NO.	SIZE (mm)
ECA150	150
ECA200	200

smartline

METAL GRILLES

select range

BAR GRILLES



- Colour: RAL9010

CUSHION HEAD BOXES

- 300mm Deep
- 5mm Internal Insulation
- 40mm Lip

PART NO.	SIZE (mm)
100	
BG3010	297 x 97
BG4010	397 x 97
BG6010	597 x 97
BG9010	897 x 97
BG11510	1147 x 97
BG12010	1197 x 97
150	
BG3515	347 x 147
BG4015	397 x 147
BG6015	597 x 147
BG9015	897 x 147
BG11515	1147 x 147
BG12015	1197 x 147
BULK HEAD RANGE	
BG6321	635 x 210
BG6514	655 x 145
BG7120	715 x 200
BG7125	715 x 250
BG8418	840 x 180
BG8514	855 x 145
BG10514	1055 x 145
COMMERCIAL RANGE	
BG1450	1397 x 147
BG1650	1597 x 147
BG1750	1747 x 147
BG2000	1997 x 147
BG2500	2497 x 147

PART NO.	SIZE (mm)
100	
CHB3010	300 x 100
CHB4010	400 x 100
CHB6010	600 x 100
CHB9010	900 x 100
CHB11510	1150 x 100
CHB12010	1200 x 100
150	
CHB3515	350 x 150
CHB4015	400 x 150
CHB6015	600 x 150
CHB9015	900 x 150
CHB11515	1150 x 150
CHB12015	1200 x 150
BULK HEAD RANGE	
CHB6321	640 x 215
CHB6514	660 x 150
CHB7120	720 x 205
CHB7125	720 x 255
CHB8418	845 x 185
CHB8514	860 x 150
CHB10514	1060 x 150
COMMERCIAL RANGE	
CHB14015	1400 x 150
CHB16015	1600 x 150
CHB17015	1750 x 150
CHB22000	2000 x 150
CHB25015	2500 x 150

METAL GRILLES

select range

LINEAR SLOTS

- Colour: RAL9010

CUSHION HEAD BOXES

- 300mm Deep
- 5mm Internal Insulation
- 40mm Lip

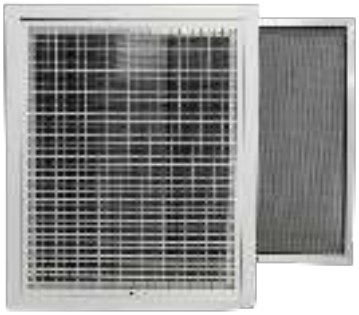
PART NO.	SIZE (mm)
REMOVABLE CORE	
LSD595	597 x 97
LSD2900	897 x 97
LSD21150	1147 x 97
LSD21200	1197 x 97
LSD21450	1447 x 97
LSD21750	1747 x 97
LSD22000	1997 x 97
LSD22500	2497 x 97
FIXED CORE	
LSD690F	600 x 90
LSD890F	800 x 90
LSD1090F	1000 x 90
LSD2090F	2000 x 90

PART NO.	SIZE (mm)
CUSHION HEAD BOXES TO SUIT	
CHB6010	600 x 100
CHB9010	900 x 100
CHB11510	1150 x 100
CHB12010	1200 x 100
CHB21450	1450 x 100
CHB21750	1750 x 100
CHB22010	2000 x 100
CHB25010	2500 x 100
CUSHION HEAD BOXES TO SUIT	
CHB690	605 x 95
CHB890	805 x 95
CHB1090	1005 x 95
CHB2090	2005 x 95

METAL GRILLES

select range

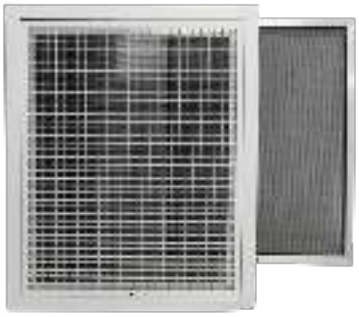
FILTERED RETURN AIR



- Permatron Filter
- Colour: RAL9010

PART NO.	SIZE (mm)
ECF3030	300 x 300
ECF4040	400 x 400
ECF5040	500 x 400
ECF6040	600 x 400
ECF7540	750 x 400
ECF7550	750 x 500
ECF8030	800 x 300
ECF8050	800 x 500
ECF9040	900 x 400
ECF9050	900 x 500
ECF10040	1000 x 400
ECF1050	1000 x 500
ECF1240	1200 x 400
ECF15040	1500 x 400
ECF595	1/2 T-Bar 550 x 550
ECF1195	Full T-Bar 1150 x 550

FILTERED RETURN AIR HD - NSW ONLY



- Colour: RAL9010
- Avaliable Ex NSW Only not stocked in VIC

PART NO.	SIZE (mm)
NECF3030	300 x 300
NECF4040	400 x 400
NECF5050	500 x 500
NECF6040	600 x 400
NECF7540	750 x 400
NECF7545	750 x 450
NECF7550	750 x 500
NECF7555	750 x 550
NECF9040	900 x 400
NECF9045	900 x 450
NECF9050	900 x 500
NECF9055	900 x 550
NECF595	1/2 T-BAR 550 x 550
NECF1195	Full T-BAR 1150 x 550

NON FILTERED

PART NO.	SIZE (mm)
ECP1515	150 x 150
ECP2020	200 x 200
ECP3030	300 x 300
ECP4040	400 x 400
ECP6040	600 x 400

- Avaliable Ex NSW Only not stocked in VIC

ECP4545	450 x 450

NON FILTERED

PART NO.	SIZE (mm)
ECP295	1/4 T-BAR 550 x 250
ECP595	1/2 T-BAR 550 x 550
ECP1195	FULL T-BAR 1150 x 550

- Refer to page 43 Return Air Boxes

METAL GRILLES

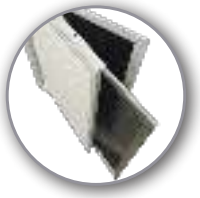
select range

NON FILTERED

- Colour: RAL9010

PART NO.	SIZE (mm)
ECA1515	150 X 150 - NECK: 150
ECA2015	200 X 200 - NECK: 150
ECA2020	200 X 200 - NECK: 200
ECA2520	250 X 250 - NECK: 200
ECA3025	300 X 300 - NECK: 250
ECA3530	350 X 350 - NECK: 300
ECA4035	400 X 400 - NECK: 350
ECA4540	450 X 450 - NECK: 400
ECA5045	500 X 500 - NECK: 450
ECA6045	600 X 600 - NECK: 450

HALF CHEVRON - FILTERED



HINGED FACE
For easy filter access

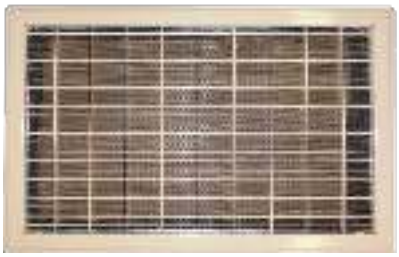
- Permatron Filter
- Colour: RAL9010

PART NO.	SIZE (mm)
SD6040	600 x 400
SD7540	750 x 400
SD9040	900 x 400
SD9050	900 x 500
SD10040	1000 x 400
SD12040	1200 x 400
SD15040	1500 x 400

HEAVY DUTY FLOOR RETURN AIR

PART NO.	SIZE (mm)	COLOUR
FGHD5030	500 x 300	BEIGE

- Return Air Box to suit RA3050 per page 43

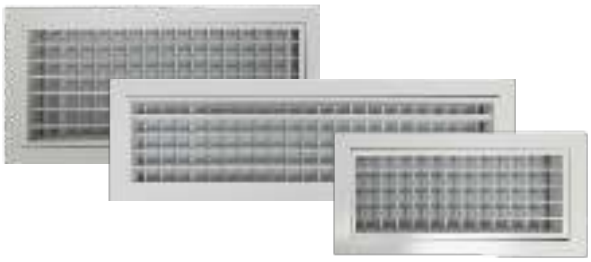


select range

METAL GRILLES

select range

DOUBLE DEFLECTION - REMOVEABLE CORE



- Colour : RAL9010

PART NO.	SIZE (mm)
DOUBLE DEFLECTION GRILLES	
DD3010	297 x 97
DD3015	297 x 147
DD3515	347 x 147
DD4015	397 x 147
DD4020	397 x 197
DD4515	447 x 147
DD4520	447 x 197
DD5020	497 x 197
DD6015	597 x 147

DOUBLE DEFLECTION - CUSHION HEAD BOXES

- 300mm Deep
- 5mm Internal Insulation
- 40mm Lip

PART NO.	SIZE (mm)
CUSHION HEAD BOXES TO SUIT	
CHB3010	300 x 100
CHB3015	300 x 150
CHB3515	350 x 150
CHB4015	400 x 150
CHB4020	400 x 200
CHB4515	450 x 150
CHB4520	450 x 200
CHB5020	500 x 200
CHB6015	600 x 150

DOOR RELIEF GRILLE - 2 PIECE

- Clear Anodized

PART NO.	SIZE (mm)
DRG6015	600 x 150
DRG6020	600 x 200
DRG6025	600 x 250
DRG6030	600 x 300
DRG6040	600 x 400
DRG6060	600 x 600

WEATHERPROOF LOUVRE

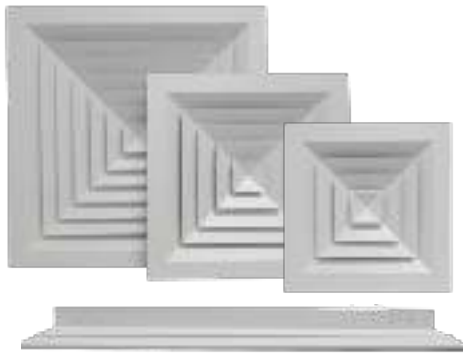
- Clear Anodized

PART NO.	SIZE (mm)
WP1515	150 x 150
WP2020	195 x 195
WP3030	295 x 295
WP4020	395 x 195
WP4040	395 x 395

COMMERCIAL GRILLES

select range

LAY-IN 4 WAY ALUMINIUM DIFFUSERS



- Colour: RAL9010
- Cushion head boxes to suit on pg. 42
- Neck adaptors pg. 41

PART NO.	SIZE (mm)	SUITS
4 WAY		
ALD370	370 x 370 - 220	CHB225-20
ALD445	445 x 445 - 300	CHB330-20
ALD595	595 x 595 - 450	CHB4545-20/25/30/35
ALUMINIUM PLASTER FRAME TO SUIT		
ALD445F	-	ALD445
ALD595F	-	ALD595 / SWDA595

MULTI CONE METAL DIFFUSERS

- Removable Center for easy install
- Colour: RAL9010

PART NO.	NECK SIZE (mm)
MCD200	200
MCD250	250
MCD300	300

LAY-IN SWIRL ALUMINIUM DIFFUSERS

- Colour: RAL9010

PART NO.	SIZE (mm)	SUITS
SWDA495	495 x 495	
SWDA595	595 x 595 - 450	PBS200/250
ALUMINIUM PLASTER FRAME TO SUIT		
ALD595F	-	ALD595 / SWDA595

PLASTIC RETURN AIR GRILLES

smartline

smartline - MATT

520 X 380

PART NO.	DESCRIPTION
SRRA5238F	520 x 380 FIXED PERMATRON FILTER
SRRA5238P	520 x 380 PLAIN
SLPMF5238	PLASTER MOUNTING FRAME
SLRAB5238	PLASTIC RETURN AIRBOX

800 X 380

PART NO.	DESCRIPTION
SRRA8038F	800 x 380 FIXED PERMATRON FILTER
SRRA8038P	800 x 380 PLAIN
SLPMF8038	PLASTER MOUNTING FRAME
SLRAB8038	PLASTIC RETURN AIRBOX

1200 X 380

PART NO.	DESCRIPTION
SRRA12038F	1200 x 380 FIXED PERMATRON FILTER
SRRA12038P	1200 x 380 PLAIN
SLPMF12038	PLASTER MOUNTING FRAME
SLRAB12038	PLASTIC RETURN AIRBOX

ADAPTORS TO SUIT

SLRAB5238 and SLRAB8038 use with the following adaptors:

PART NO.	SIZE (mm)
SRA3630	300
SRA3635	350
SRA3640	400

smartline - GLOSS

520 X 380

PART NO.	DESCRIPTION
ERRA5238F	520 x 380 FIXED PERMATRON FILTER
ERRA5238P	520 x 380 PLAIN
SLPMF5238	PLASTER MOUNTING FRAME
SLRAB5238	PLASTIC RETURN AIRBOX

800 X 380

PART NO.	DESCRIPTION
ERRA8038F	800 x 380 FIXED PERMATRON FILTER
ERRA8038P	800 x 380 PLAIN
SLPMF8038	PLASTER MOUNTING FRAME
SLRAB8038	PLASTIC RETURN AIRBOX

1200 X 380

PART NO.	DESCRIPTION
ERRA12038F	1200 x 380 FIXED PERMATRON FILTER
ERRA12038P	1200 x 380 PLAIN
SLPMF12038	PLASTER MOUNTING FRAME
SLRAB12038	PLASTIC RETURN AIRBOX

SLRAB12038 use with the following adaptors:

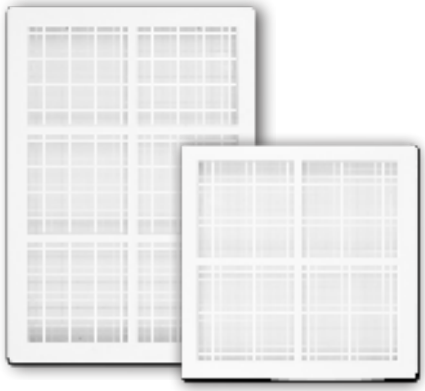
PART NO.	SIZE (mm)
SRA5440	400
SRA5445	450
SRA5450	500

PLASTIC RETURN AIR GRILLES

smartline

smartline - MATT

EGGCRATE - MATT



PART NO.	DESCRIPTION
SRE36	360 x 360 4 WAY EGGCRATE
SRE54	540 x 360 6 WAY EGGCRATE

LINEAR - MATT

PART NO.	DESCRIPTION
SRL36	360 x 360 4 WAY LINEAR
SRL54	540 x 360 6 WAY LINEAR

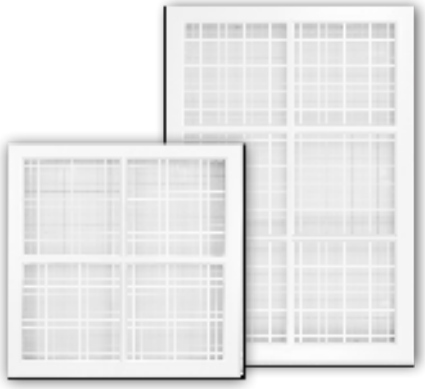
ADAPTORS TO SUIT

FOR ERE36, ERL36, SRE36, SRL36

PART NO.	SIZE (mm)
SRA3630	300
SRA3635	350
SRA3640	400

smartline - GLOSS

EGGCRATE - GLOSS



PART NO.	DESCRIPTION
ERE36	360 x 360 4 WAY EGGCRATE
ERE54	540 x 360 6 WAY EGGCRATE

LINEAR - GLOSS

PART NO.	DESCRIPTION
ERL36	360 x 360 4 WAY LINEAR
ERL54	540 x 360 6 WAY LINEAR

FOR ERE54, ERL54, SRE54, SRL54

PART NO.	SIZE (mm)
SRA5440	400
SRA5445	450
SRA5450	500

METAL FLOOR REGISTERS

select range

PART NO.	SIZE (mm)	COLOUR	
FGM3010 FGM3515	300 x 100 350 x 150	BEIGE	
FGM3010CHM FGM3515CHM	300 x 100 350 x 150	CHROME	
FGM3010MB FGM3515MB	300 x 100 350 x 150	MATT BLACK	
FGM3050	300 x 50	WHITE	
FGH3010AB	300 x 100	ANTIQUE BRASS	
FGH3010BS	300 x 100	POLISHED BRASS	
FGH3010CHM	300 x 100	CHROME	
FGH3010MB	300 x 100	MATT BLACK	

FLOOR BOOTS - ANGLED

PART NO.	DIMENSIONS	POP SIZE
AB301015	300 x 100	150
AB301020	300 x 100	200
AB351520	350 x 150	200
AB351525	350 x 150	250

PLASTIC FLOOR REGISTERS

select range

- **10 Colours**
- **2 Sizes**
- **Twin Dampers**

300 x 100	350 x 150	
PART NO.	**PART NO.**	**COLOUR**
FG3010BE	FG3515BE	BEIGE
FG3010SE	FG3515SE	SLATE
FG3010CH		CHOCOLATE
FG3010CM		CREAM
FG3010DB		DARK BEIGE
FG3010GY		GREY
FG3010PE	-	PINE
FG3010BN		BROWN
FG3010SL		STEEL
FG3010WE		WHITE

FITTINGS PLASTIC

airloc

airloc®

airloc® smartfit

airloc® smartfit

A modern take on plastic fittings – use and install what you need.

Most models don't require cutting down - no waste, better for the environment, time saver.

Make last minute changes on the job...

Depending on your job needs **airloc®** smartfit fittings can be supplied with adaptors fitted - with some fittings allowing up to ***10 size combinations from the one part number.***

Tailor fittings on the go by reassigning or removing adaptors or by applying cuts to combos.

airloc® smartfit **makes installations in tight spaces easier!!**

All **airloc®** smartfit fittings are easy to unassemble to allow for ease of access through man holes or tight spaces and can be re-assembled in the roof cavity.

Ever-made a wrong cut on a Combo...

With **airloc®** smartfit combos if you make a wrong cut you can correct it by fitting a suitably sized airloc adaptor and you'll be back to where you started – ***what Combo fitting on the market lets you do that?***

Carry spare product and adaptors with you..

To save time on mind changes or delivery errors why not keep some **airloc®** smartfit key fittings and adaptors on hand ***it's gotta save time***.

Quick Page Reference...

A-B BTO'S	32
A-D DBTO'S	33
A-Y Y'S	34
A-A ADAPTOR'S	35
A-R REDUCER'S	35

Align Adaptor to body

Push and Twist

Snap and Lock

airloc® smartfit *design, a sure seal of confidence..*

PLASTIC FITTINGS

airloc® smartfit

BRANCH TAKE OFF'S - KEY BODY'S

A - B

PART NO	DIMENSIONS mm
AB866	200 - 150 - 150
AB886	200 - 200 - 200/150
AB1088	250 - 200 - 200
AB10106	250 - 250 - 200/150
AB1288	300 - 200 - 200
AB121010	300 - 300/250 - 250
AB141212	350 - 350/300 - 300
AB161412	400 - 400/350 - 300

A-BTO

ORDER PART/NO	DIMENSIONS mm'
AB666P	150-150-150 (Plain)
AB866P	200-150-150 (Plain)
AB666	150-150-150
AB866	200-150-150
AB886	200-200-150
AB888	200-200-200
AB1066	250-150-150
AB1086	250-200-150
AB1088	250-200-200
AB10106	250-250-150
AB10108	250-250-200
AB1286	300-200-150
AB1288	300-200-200
AB12106	300-250-150
AB12108	300-250-200
AB121010	300-250-250
AB12126	300-300-150

ORDER PART/NO	DIMENSIONS mm'
AB12128	300-300-200
AB121210	300-300-250
AB141010	350-250-250
AB14126	350-300-150
AB14128	350-300-200
AB141210	350-300-250
AB141212	350-300-300
AB14146	350-350-150
AB14148	350-350-200
AB141410	350-350-250
AB141412	350-350-300
AB16148	400-350-200
AB161410	400-350-250
AB161412	400-350-300
AB16168	400-400-200
AB161610	400-400-250
AB161612	400-400-300

DOUBLE BRANCH TAKE OFF'S - KEY BODY'S

A - D

PART NO	DIMENSIONS mm
AD8666	200 - 150 - 150 - 150
AD10666	250 - 200/150 - 150 - 150
AD10888	250 - 250/200 - 200 - 200
AD12888	300 - 200 - 200 - 200
AD12101010	300 - 300/250 - 250 -250
AD14101010	350 - 250 - 250 - 250
AD14121212	350 - 350/300 - 300 - 300
AD16141212	400 - 400/350 - 300 - 300

A-DBTO

ORDER PART/NO	DIMENSIONS mm'
AD8666	200-150-150-150
AD10666	250-150-150-150
AD10866	250-200-150-150
AD10886	250-200-200-150
AD10888	250-200-200-200
AD101066	250-250-150-150
AD101086	250-250-200-150
AD101088	250-250-200-200
AD12866	300-200-150-150
AD12888	300-200-200-200
AD121066	300-250-150-150
AD121086	300-250-200-150
AD121088	300-250-200-200
AD12101010	300-250-250-250
AD121266	300-300-150-150
AD121286	300-300-200-150
AD121288	300-300-200-200
AD12121010	300-300-250-250
AD14101010	350-250-250-250
AD141266	350-300-150-150
AD141286	350-300-200-150

ORDER PART/NO	DIMENSIONS mm'
AD141288	350-300-200-200
AD14121010	350-300-250-250
AD14121210	350-300-300-250
AD14121212	350-300-300-300
AD141466	350-350-150-150
AD141486	350-350-200-150
AD141488	350-350-200-200
AD14141010	350-350-250-250
AD14141210	350-350-300-250
AD14141212	350-350-300-300
AD161488	400-350-200-200
AD1614108	400-350-250-200
AD16141010	400-350-250-250
AD16141210	400-350-300-250
AD16141212	400-350-300-300
AD161688	400-400-200-200
AD1616108	400-400-250-200
AD16161010	400-400-250-250
AD16161210	400-400-300-250
AD16161212	400-400-300-300

Combination Change - Adaptor Removal. To ensure an airloc seal the adaptors are securley fitted. Generally a reverse twist and pull will remove adaptors, sometimes with a little persuasion of a well-placed screwdriver might assist.

Y'S - KEY BODY'S

A - Y

PART NO	DIMENSIONS mm
AY866	200 - 150 - 150
AY1088	250 - 200 - 200
AY121010	300 - 250 - 250
AY141212	350 - 300 - 300
AY161414	400 - 350 - 350
AY181616	450 - 400 - 400
AY201818	450/500 - 450 -450

A-Y

ORDER PART/NO	DIMENSIONS mm
AY666	150-150-150
AY866	200-150-150
AY886	200-200-150
AY888	200-200-200
AY1066	250-150-150
AY1086	250-200-150
AY1088	250-200-200
AY101010	250-250-250
AY1288	300-200-200
AY12106	300-250-150
AY12108	300-250-200
AY121010	300-250-250
AY121210	300-300-250
AY121212	300-300-300
AY141010	350-250-250
AY141210	350-300-250
AY141212	350-300-300
AY141410	350-350-250
AY141412	350-350-300

ORDER PART/NO	DIMENSIONS mm
AY161010	400-250-250
AY161210	400-300-250
AY161212	400-300-300
AY161412	400-350-300
AY161414	400-350-350
AY161612	400-400-300
AY161614	400-400-350
AY161616	400-400-400
AY181212	450-300-300
AY181412	450-350-300
AY181414	450-350-350
AY181612	450-400-300
AY181614	450-400-350
AY181616	450-400-400
AY201616	500-400-400
AY201814	500-450-350
AY201816	500-450-400
AY201818	500-450-450

Combination Change - Adaptor Removal. To ensure an airloc seal the adaptors are securley fitted. Generally a reverse twist and pull will remove adaptors, sometimes with a little persuasion of a well-placed screwdriver might assist.

PLASTIC FITTINGS

airLOC® smartfit

ADAPTOR'S

A - A 1 STEP

PART NO	DIMENSIONS mm
AA86	200 - 150
AA108	250 - 200
AA1210	300 - 250
AA1412	350 - 300
AA1614	400 - 350
AA1816	450 - 400

1 STEP ADAPTOR

2 STEP

PART NO	DIMENSIONS mm
AA106	250 - 150
AA128	300- 200
AA1410	350 - 250
AA1612	400 - 300
AA1814	450 - 350

2 STEP ADAPTOR

REDUCER'S

A - R

PART NO	DIMENSIONS mm
AR2015	200 - 150
AR2520	250 - 200
AR3025	300 - 250
AR3550	350 - 300

PART NO	DIMENSIONS mm
AR4035	400 - 350
AR4540	450- 400
AR5045	500 - 450

MULTI COMBO FITTINGS

MULTI COMBO BTO INSULATED

PART NO.	INLET A	OUTLET B	OUTLET C
MCB181610I	400 - 450	300 - 350 - 400	200 - 250
MCB181614I	400 - 450	300 - 350 - 400	300 - 350

MULTI COMBO DBTO INSULATED

PART NO.	INLET A	OUTLET B	OUTLET C	OUTLET D
MCD18161010I	400 - 450	300 - 350 - 400	200 - 250	200 - 250
MCD18161410I	400 - 450	300 - 350 - 400	200 - 250	300 - 350
MCD18161414I	400 - 450	300 - 350 - 400	300 - 250	300 - 350

NOTES

FITTINGS METAL

METAL FITTINGS

STARTER COLLARS

PART NO.	SIZE (mm)
SC150	150
SC200	200
SC250	250
SC300	300
SC350	350
SC400	400
SC450	450
SC500	500

JOINERS

PART NO.	SIZE (mm)
JM150	150
JM200	200
JM250	250
JM300	300
JM350	350
JM400	400
JM450	450
JM500	500

STARTER COLLARS WITH INLINE DAMPER

PART NO.	SIZE (mm)
SCMD150	150
SCMD200	200
SCMD250	250
SCMD300	300
SCMD350	350
SCMD400	400

MANUAL INLINE DAMPERS

PART NO.	SIZE (mm)
MAD08	200
MAD10	250
MAD12	300
MAD14	350

METAL FITTINGS

BELL MOUTH SPIGOTS WITH DAMPER

PART NO.	SIZE (mm)
BMS150	150
BMS200	200
BMS250	250
BMS300	300

NON RETURN DAMPERS - SPRING LOADED

PART NO.	SIZE (mm)
NRD100	100
NRD125	125
NRD150	150
NRD200	200
NRD250	250

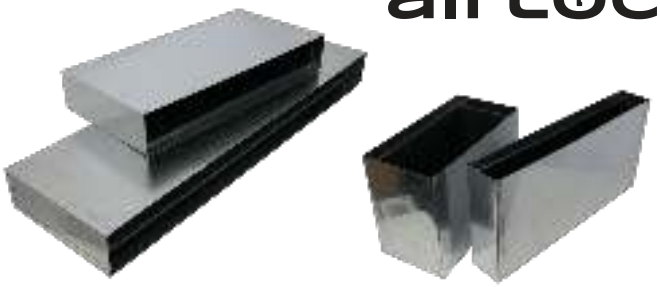
RETURN AIR TOP HATS

PART NO.	SIZE (mm)
RAT300	300
RAT350	350
RAT400	400

METAL NECK ADAPTORS

PART NO.	POP SIZE (mm)
300 sq	
MA30D15	150
MA30D20	200
MA30D25	250
450 sq	
MA45D15	150
MA45D20	200
MA45D25	250
MA45D30	300
MA45D35	350

CUSHION HEAD BOXES



- 300mm Deep
- 5mm Internal Insulation
- 40mm Lip

PART NO.	SIZE (mm)	SUITS
95		
CHB690	605 x 95	LSD690F
CHB890	805 x 95	LSD890F
CHB1090	1005 x 95	LSD1090F
CHB2090	2005 x 95	LSD2090F
100		
CHB3010	300 x 100	BG/DD3010
CHB4010	400 x 100	BG4010
CHB6010	600 x 100	BG6010
CHB9010	900 x 100	BG9010
CHB11510	1150 x 100	BG11510
CHB12010	1200 x 100	BG12010
CHB21450	1450 x 100	LSD21450
CHB21750	1750 x 100	LSD21750
CHB22010	2000 x 100mm	LSD22000
103 +		
CHB6321	640 x 215	BG6321
CHB7120	720 x 205	BG7120
CHB7125	720 x 255	BG7125
CHB8418	845 x 185	BG8418
CHB25010	2505 x 103	LSD22500

PART NO.	SIZE (mm)	SUITS
150		
CHB3015	300 x 150	DD3015
CHB3515	350 x 150	BG/DD3515
CHB4015	400 x 150	BG/DD4015
CHB4515	450 x 150	DD4515
CHB6015	600 x 150	BG/DD6015
CHB6514	660 x 150	BG6514
CHB8514	860 x 150	BG8514
CHB9015	900 x 150	BG9015
CHB10514	1060 x 150	BG10514
CHB11515	1150 x 150	BG11515
CHB12015	1200 x 150	BG12015
CHB14015	1400 x 150	BG1450
CHB17015	1750 x 150	BG1750
CHB16015	1600 x 150	BG1650
CHB22000	2000 x 150	BG2000
CHB16015	1600 x 150	BG1650
CHB25015	2500 x 150	BG2500
200		
CHB4020	400 x 200	DD4020
CHB4520	450 x 200	DD4520
CHB5020	500 x 200	DD5020

CUSHION HEAD BOXES - METAL T BAR

- 350mm High
- 20mm Internally Insulated
- Damper Blade

PART NO.	POP SIZE (mm)	SUITS
225 sq		
CHB225-20	200	ALD370
300 sq		
CHB3030-20	200	ALD445
CHB3030-25	250	ALD445

PART NO.	POP SIZE (mm)	SUITS
450 sq		
CHB4545-20	200	ALD595
CHB4545-25	250	ALD595
CHB4545-30	300	ALD595
CHB4545-35	350	ALD595

RETURN AIR & PLENUM BOXES

airLoc

SWIRL DIFFUSER PLENUM BOX

PART NO.	SIZE (mm)	POP SIZE (mm)
PBS200	595 x 595	200
PBS250	595 x 595	250

FLAT PACK RETURN AIR BOXES

- 450mm High
- 5mm External Silver Insulation
- Flat Packed for Easy Transport

PART NO.	SIZE (mm)	SUITS
RA3050	300 x 500	FGHD3050
RA4040	400 x 400	ECP/ECF4040
RA5040	500 x 400	ECF5040
RA595	550 x 550	ECP/ECF595
RA6040	600 x 400	ECP/ECF/SD6040
RA7540	750 x 400	ECF/SD7540
RA7550	750 x 500	ECF7550
RA8030	800 x 300	ECF8030
RA8050	800 x 500	ECF8050
RA9040	900 x 400	ECF/SD9040
RA9050	900 x 500	ECF/SD9050
RA1040	1000 x 400	ECF/SD10040
RA1050	1000 x 500	ECF1050
RA1195	1150 x 550	ECP/ECF1195
RA1240	1200 x 400	ECF/SD1240
RA15040	1500 x 400	ECF15040/5D15040

CUSHION HEAD ADAPTOR

Compatible T-Bar Boxes:

Refer to Metal T-Bar Cushion Head Boxes on Pg.42

- Actual size - adapator size

PART NO.	SIZE (mm)	SUITS
CHBADT43	445 - 300	CHB3030
CHBADT54	540 - 445	CHB4545

COMMERCIAL APPLICATION

PART NO.	SIZE (mm)	SUITS
RA3535	350 x 350	-
RA4545	450 x 450	-
RA5050	500 x 500	-
RA6060	600 x 600	-

TRANSITIONS

airloc

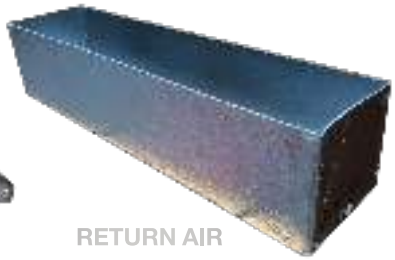
airLOC
LARGEST **OFF THE SHELF**
RANGE IN AUSTRALIA!

DAIKIN

FUJITSU

NOSE CONE

SUPPLY AIR



RETURN AIR

- 5mm External Silver Insulation

PART NO.	CAPACITY	SIZE (mm)
NOSE CONES		
NCDAI71LBVI	7kW	855 x 185 - 2 x 300
NCDAI100AV1	10kW	855 x 245 - 2 x 350
NCDAI100-125	10-12kW	1150 x 245 - 2 x 350
NCDAI100-160LV1	10-16kW	1155 x 245 - 2 x 400
NCDAI140-160AV1	14-16kW	1155 x 300 - 2 x 400
NCDAI180LCV1	18kW	922 x 354 -2 x 450
NCDAI200-250LCV1	20-25kW	1120 x 354 - 2 x 450
NCDAI250	25kW	940 x 380 - 2 x 450
SUPPLY AIR		
SADAI71LBV	7kW	855 x 185 - 350
SADAI100AVI	10kW	855 x 185 - 400
SADAI100-125	10-12kW	1150 x 245 - 400
SADAI140-160AV1	14-16kW	1150 x 300 - 400
SADAI140-160LAV	14-16kW	1155 x 320 - 450
SADAI140-160LV1	14-16kW	1155 x 245 - 450
SADAI180LCV1	18KW	922 x 354 - 500
SADAI200-250LVC1	20-25kW	1120 x 354 - 500
SADAI250	25kW	940 x 380 - 500
RETURN AIR		
RADAI180LCV1	18kW	922 x 395
RADAI200-250LCV1	20-25kW	1120 x 395
RADAI200-250	20-25kW	1120 x 350

- 5mm External Silver Insulation

PART NO.	CAPACITY	SIZE (mm)
NOSE CONES		
NCFUJIG30-36	9-10kW	855 x 295 - 2 x 300
NCFUJIG45	12kW	925 x 305 - 2 x 350
NCFUJIG36-54LHTD	10-13kW	1162 x 217 - 2 x 350
NCFUJIG45-60LDT	16kW	1162 x 277 - 2 x 400
NCFUJIG54	14kW	925 x 305 - 2 x 400
NCFUJIC72	20kW/16kW 1P	1200 x 350 - 2 x 400
NCFUJIC90	25kW	1200 x 350 - 2 x 450
SUPPLY AIR		
SAFUJI24-30LHTDP	7-8.5kW	762 x 217 - 350
SAFUJIG30-36	9-10kW	855 x 295 - 350
SAFUJIG45	12kW	925 x 305 - 400
SAFUJIG36-54LHTD	10-13kW	1162 x 217 - 400
SAFUJIG54-60	14kW	925 x 305 - 450
SAFUJIG45-60LDT	16kW	1162 x 277 - 450
SAFUJIC72	20kW + 16kW 1P	1200 x 350 - 450
SAFUJIC90	20kW	1200 x 350 - 500
RETURN AIR		
RAFUJ-G24	7.1kW	1015 x 240
RAFUJ-G24-30LHTDP	7-8.5kW	895 x 255
RAFUJ-G30-36	9-10kW	865 x 325
RAFUJ-G36 54LHTD	10-13kW	1295 x 255
RAFUJ-G45-60	12-15kW/16kW 3P	1065 x 355
RAFUJ-G45-60LDT	16kW	1295 x 316
RAFUJ-C72	20kW	1250 x 370
RAFUJ-C90	25kW	1250 x 470

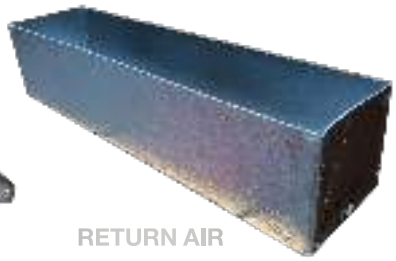
airLOC
LARGEST **OFF THE SHELF**
RANGE IN AUSTRALIA!

MITSUBISHI ELECTRIC

SAMSUNG

NOSE CONE

SUPPLY AIR



RETURN AIR

- 5mm External Silver Insulation

PART NO.	CAPACITY	SIZE (mm)
NOSE CONES		
NCMIT71	7kW	1060 x 180 - 2 x 300
NCMITGAA100-125	10-12kW	925 x 255 - 2 x 350
NCMIT100-125	10-12kW	1360 x 180 - 2 x 350
NCMITGAA140	14kW	925 x 255 - 2 x 400
NCMITD140	14kW	1560 x 180 - 2 x 350
NCMIT170-250	17/20/25kW	1100 x 340 - 2 x 450
NCMIT100HAA	10kW	1330 x 271 - 1 x 400
NCMIT125-140HAA	12/14kW	1330 x 271 - 1 x 450
SUPPLY AIR		
SAMIT71	7kW	1060 x 180 - 350
SAMITGAA100-125	10/12kW	925 x 255 - 400
SAMIT100-125	10/12kW	1360 x 180 - 400
SAMITGAA140	14kW	925 x 255 - 450
SAMITD140	14kW	1560 x 180 - 400
SAMIT170-250	17/20/25kW	1100 x 340 - 500
SAMIT100HAA	10kW	1330 x 271 - 400
SAMIT125-140HAA	12/14kW	1330 x 271 - 450
RETURN AIR		
RAMIT71	7kW	1060 x 210*
RAMIT100-125	10/12kW	1360 x 210*
RAMITGAA100-140	10/12/14kW	1105 x 355
RAMITD140	14kW	1560 x 210*
RAMIT170-250	17/20/22kW	1100 x 420

* 20mm lip

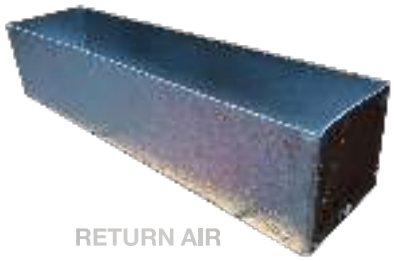
- 5mm External Silver Insulation

PART NO.	CAPACITY	SIZE (mm)
NOSE CONES		
NCSAMAC71	5kW	820 x 225 - 2 x 250
NCSAMAC90	7-9kW	1170 x 225 - 2 x 300
NCSAMAC100-120S2P	10-12kW	1154 x 243 - 2 x 350
NCSAMAC140-160S2P	14-16kW	1154 x 243 - 2 x 400
NCSAMAC180-200	18-20kW	1284 x 360 - 2 x 450
SUPPLY AIR		
SASAMAC71	5kW	820 x 225 - 350
SASAMAC90	7/9kW	1170 x 225 - 350
SASAMAC100-120S2P	10-12kW	1154 x 243 - 400
SASAMAC140-160-S2P	14-16kW	1154 x 243 - 450
SASAMAC180-200	18-20kW	1284 x 360 - 500
RETURN AIR		
RASAMAC71	5kW	820 x 225
RASAMAC90	7/9kW	1170 x 225
RASAMAC160-200	18-20kW	1284 x 360

Panasonic

NOSE CONE

SUPPLY AIR



RETURN AIR

- 5mm External Silver Insulation

PART NO.	CAPACITY	SIZE (mm)
NOSE CONES		
NCPAN71-100	7/10kW	1025 x 270 - 2 x 300
NCPAN125	12kW	1025 x 340 - 2 x 350
NCPAN140	14kW	1025 x 340 - 2 x 400
SUPPLY AIR		
SAPAN71-100	7/10kW	1025 x 270 - 350
SAPAN125	12kW	1025 x 340 - 400
SAPAN140	14kW	1025 x 340 - 450
SAPAN200	20kW	970 x 325 - 500
RETURN AIR		
RAPAN71-100	7/10kW	1025 x 270
RAPAN125-140	12/14kW	1025 x 340
RAPAN200	20kW	1075 x 305

ZONE MANAGEMENT

iZone®

redZone

iZone®

Download on the App Store

ANDROID APP ON Google play

IFTTT

Google Home

FEATURES & BENEFITS

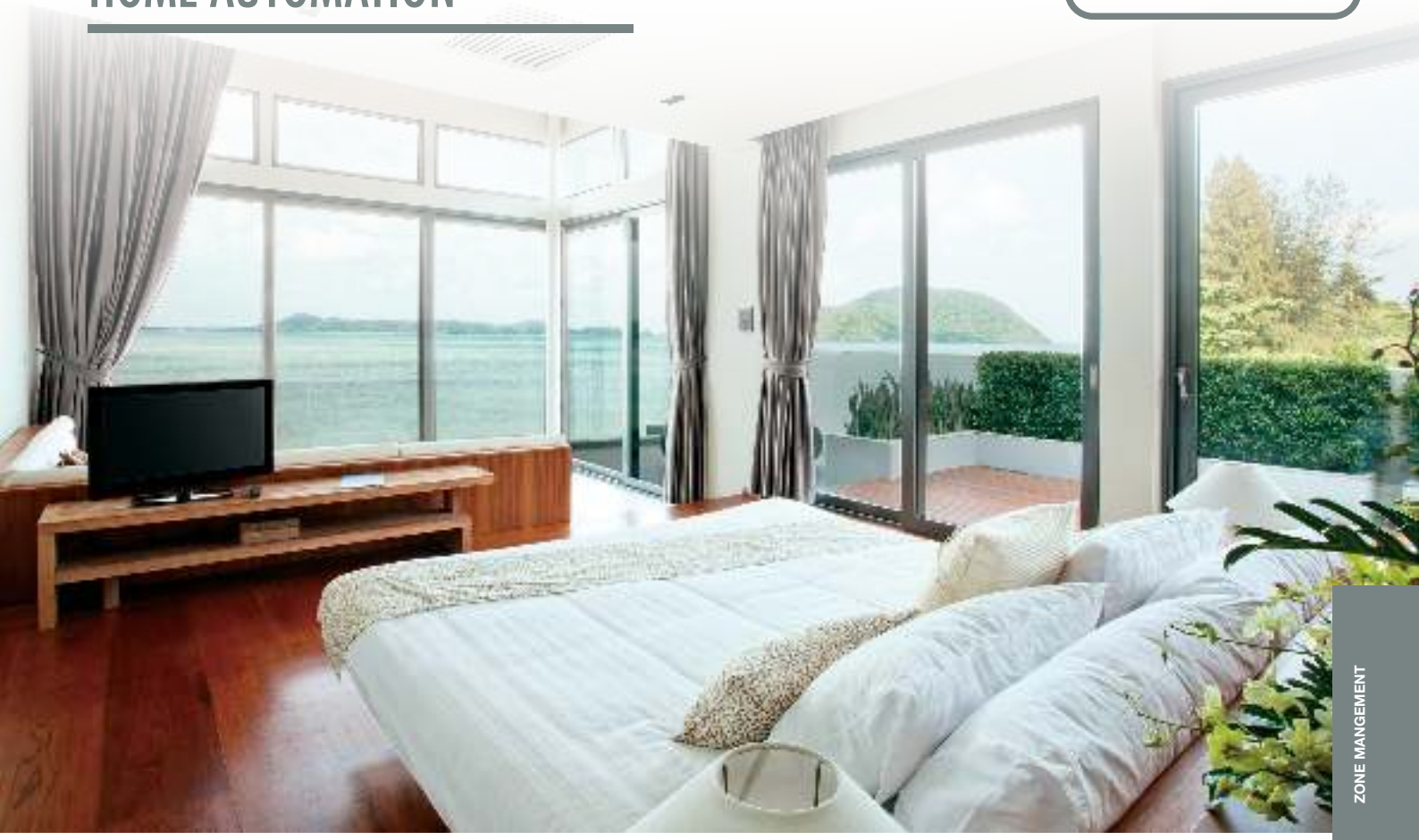
iZone® New generation climate control system works with all leading brands

MITSUBISHI ELECTRIC · FUJITSU AIR CONDITIONING · TOSHIBA · DAIKIN · Braemar HEATING COOLING · Carrier · Panasonic · MITSUBISHI HEAVY INDUSTRIES, LTD. · LG · SAMSUNG · Haier · temperzone

iZone® Touch screen technology gives you total comfort control of your whole home. Adjust the air flow or temperature to any room.

Select up to 14 sensors/zones - every zone will maintain your required comfort levels. You can also direct airflow to only the rooms you choose for maximum efficiency and savings.

For even more control, ask about the isense controller, which maximises efficiency by detecting which rooms are unoccupied, to provide cooling and heating only when and where you need it.



AIR CONDITIONING FOR A SMARTER HOME.

FOR PRECISION CONTROL OF YOUR DUCTED AIR CONDITIONING.

iZone Precision engineered products and innovative technologies deliver unrivalled efficiency and control throughout your home. They save you money at the same time as keeping your family comfortable all year round.

LIGHTING
Downlights I Bulbs I 100 Whites
16 Million Colours

AIR CONDITIONING
Temperature Control I Zones
Sensors I Controllers

RETICULATION
Reticulation Controller
Weather Interface I Watering Cycles

SECURITY
Garage Door I Lighting

POWER
Smart Plugs I Appliances
Energy Monitoring

ENTERTAINMENT
Spotify I Soundcloud I Netflix
Apple I Google

5 YEAR* WARRANTY

*Conditions apply - 2 year warranty + 3 year extended warranty via registration

Air conditioning for a smarter home.

For precision control of your ducted air conditioning.

OPTIONS	SMART FEATURES
AC UNIT CONTROL	Compatible with other home automation systems
WiFi & 4G CONTROL	In duct supply air sensor for improved efficiency and temperature control
ZONE TEMPERATURE CONTROL	Roaming sensor to ensure every zone is maintained at the exact temperature
FAVOURITES AND SCHEDULES	Temperature sensor in every touchscreen controller
INTELLIGENT ROAMING SENSOR OPTION	Zone on/off button on every sensor
EXPAND UP TO 14 ZONES	iSense occupancy sensor with backlit display and full in room temperature control
5% AIRFLOW CONTROL ADJUSTMENTS	Fan auto control to maximise comfort and minimise energy consumption
UP TO 12 TOUCHSCREENS	Sensors can be calibrated for precision control
FILTER CLEAN ALERT WITH ADJUSTABLE FREQUENCY	IFTTT compatible
SLEEP TIMER	Google Home compatible
FRESH AIR	
SMART LIGHTING	
SMART RETICULATION	
SMART POWER	
SMART SECURITY	

iZONE® is smarter too.

For precision control of your ducted air conditioning.

8 ZONE KIT

- 7" LCD SCREEN
- CENTRAL PROCESSING UNIT
- POWER SUPPLY
- CABLE
- INSTALLATION/USER MANUAL

KITS & SENSORS

KITS

PART NO.	DESCRIPTION
CHC430KB	NEXUS 8 ZONE KIT - BLACK
CHC430KW	NEXUS 8 ZONE KIT - WHITE

LCD SCREENS

PART NO.	DESCRIPTION
CCTSLB	LCD SCREEN - BLACK
CCTSLW	LCD SCREEN - WHITE

SENSORS

PART NO.	DESCRIPTION
CRFSB	WIRELESS SENSOR - BLACK
CRFSW	WIRELESS SENSOR - WHITE
CSB	WIRED SENSOR - BLACK
CSW	WIRED SENSOR - WHITE
CDTS	SUPPLY AIR IN-DUCT SENSOR

iSENSE CONTROLLER

PART NO.	DESCRIPTION
CZCOB	ZONE CONTROL ISENSE - BLACK
CZCOW	ZONE CONTROL ISENSE - WHITE

SYSTEM EXPANSION

PART NO.	DESCRIPTION
C225	CPU
CEXT	ZONE EXPANSION
CISMK	SYSTEM MULTIPLEX 2-5 UNIT
CNEMK	SCREEN EXT KIT 10+2
CT24AC	TRANSFORMER 24V

WIFI CONNECT

PART NO.	DESCRIPTION
COCB	WiFi OPEN CONNECTION BRIDGE
CR	WIFI REPEATER

MODULES & CABLES

UNIT MODULES

- Stocked and ready to go

PART NO.	DESCRIPTION
C325B	BRAEMAR
C325D2	DAIKIN
C325F2	FUJITSU
C325M2	MITSUBISHI ELECTRIC
C325MHI	MHI
C325P2	PANASONIC
C325N	SAMSUNG NASA
C325T	TOSHIBA
CUCM	UNIVERSAL GAS HEATER 24V

- Not stocked, available via special order

PART NO.	DESCRIPTION
C325A	ACTRON
C325C	CARRIER
C325G	GREE
C325HI	HAIER
C325H	HITACHI
C325KAD	KADEN
C325L2	LG
C325MD	MIDEA
C325R	RINNAI
C325TZ	TEMPER ZONE
C325Y	YORK

CABLES

PART NO.	DESCRIPTION
CFC1S	FLAT 1M
CFC12S	FLAT 12M
CFC25S	FLAT 25M
CDC25G	WHITE 25M
CGB2C35	WIFI CPU 35M

MOTORISED DAMPERS

- Available in 7 sizes
- 150 - 200 - 250 - 300 - 350 - 400 - 450

Features

- **Galvanised Barrel**
- **5mm Silver Insulation**
- **Folded Metal Blade**
- **12mm Foam Seal**
- **Metal Shaft Motor**
- **C-Tick Certified**
- **Brass brushes for long life**

Compatable with all major Zone systems

24 Volt

PART NO.	SIZE (mm)
MDM150L	150
MDM200L	200
MDM250L	250
MDM300L	300
MDM350L	350
MDM400L	400
MDM450L	450

240 Volt

PART NO.	SIZE (mm)
MDM150M	150
MDM200M	200
MDM250M	250
MDM300M	300
MDM350M	350
MDM400M	400
MDM450M	450

Accessories:

Control Cable & Replacement Motors

PART NO.	DESCRIPTION
RZCAB12	CONTROL CABLE 24V - 12M
RZM24	24 VOLT AC MOTOR - 2.5Nm
RZM240	240 VOLT AC MOTOR - 2.5Nm

RED-ZONE

1-4 ZONE TOUCH PAD

Kit Contains

- Touch Pad
- 4 x 1 to 4 Zone Faced Covers
- 20 x Room Stickers
- Installation Guide

*Requires 24V power supply

P/No: EZTRANS

Description: 1-4 Zone Touch Pad

- 1-4 Zone touch pad
- 24V Powered
- Suitable for 24V Dampers
- RJ12 Socket for Dampers
- Supplied with 4 Overlay labels for Zone Name Selection

Operates seperate from the air conditioning controls to provide on/off zoning for up to 4 zones per touch pad

PART NO.	DESCRIPTION
EZC	1-4 ZONE TOUCH PAD

1-2 ZONE TOUCH PAD

Kit Contains

- Touch Pad
- 4 x 1 to 2 Zone Faced Covers

*Requires 24V power supply

P/No: EZTRANS

Description: 2 Zone Touch Pad

- 2 Zone Wall Panel
- 24V Powered
- Suitable for 24V Dampers
- RJ12 Socket for Dampers
- Supplied with 4 Overlay labels

Operates seperate from the air conditioning controls to provide on/off zoning for up to 2 zones per touch pad

PART NO.	DESCRIPTION
EZC1	1-2 ZONE TOUCH PAD

POWER SUPPLY - 24V

Compatible With Smart Temp Touch Pads:

Refer to touch pads on pg. 75

PART NO.	DESCRIPTION
EZTRANS	24V AC 2 AMP - 240V INPUT

THERMOSTATS

7 DAY PROGRAMABLE THERMOSTAT

Features

- 24VAC or Battery Powered (2 x AA)
- Large Backlit LCD
- Security Logic inc Key Lock & Limit Control
- 7 day, 5+2 Day or Manual Operation
- Programmable Fan Logic
- Heat Cool & Heat Pump Logic
- Single & Multistage Control
- Remote Sensor Inputs
- Outside Temperature Display

PART NO.
SMT44850

MULTIFUNCTION THERMOSTAT

Features

- 3 Fan Speed
- Auto Changeover
- Multistage Outputs
- 24Volt Control
- Remote Sensor Option
- Multifunction Temperature Controller
- 7 Day or Manual Programming
- Suitable for Reverse Cycle and Gas Heat/Cool Systems
- Modbus Communication

PART NO.
SMT-770

DIGITAL ELECTRONIC THERMOSTAT

- · Single Stage Heat/ Cool Gas Heat / Cooling or Reverse Cycle
- · Battery Powered 2 AA Alkaline or 24Vac
- · 24Vac Equipment Control
- · Controlling Temperature 5-35Deg^{C}
- · Auto Change Over
- · Large Backlit LCD

PART NO.
SMT-80

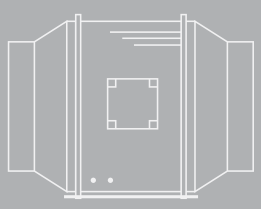
DIGITAL PROGRAMABLE THERMOSTAT

- Large, clear, backlit display - easy to read in various lighting conditions
- Precise comfort control maintains consistent comfort to the highest level of accuracy
- Simplified programming and operation
- Easy access battery replacement

PART NO.
TH611OD1021

THERMOSTAT GUARDS

PART NO.	DESCRIPTION
TGS	SMALL - 162 X 89 X 76
TGM	MEDIUM - 134 X 111 X 76
TGL	LARGE - 210 X 137 X 89



VENTILATION

RX SERIES

MIX FLOW FANS

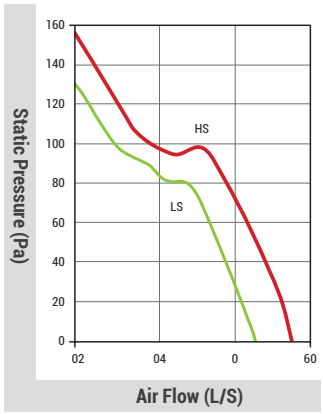
RX SERIES

- Externally mounted 2 speed switch
- High air pressure
- Low noise
- Low power
- Large volume

RX100 100mm

SAA-193317-EA

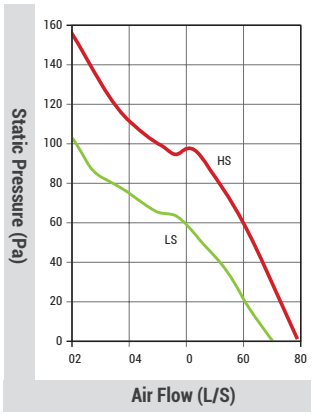
- 97mm Connection
- External 2 Speed Switch – ROT Compatible
- 240Volt – Australian 3 Pin Plug and lead fitted
- Body and Base P/P, Fan Blade ABS



RX125 125mm

SAA-193317-EA

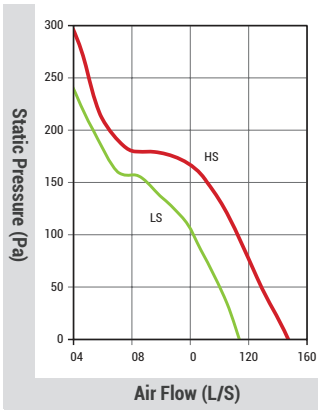
- 123mm Connection
- External 2 Speed Switch – ROT Compatible
- 240Volt – Australian 3 Pin Plug and lead fitted
- Body and Base P/P, Fan Blade ABS



RX150 150mm

SAA-193317-EA

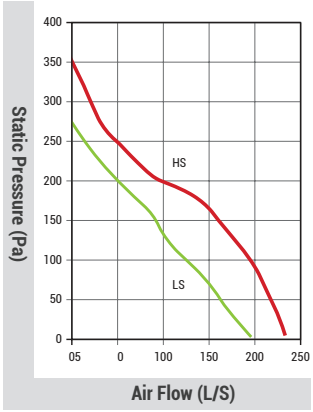
- 147mm Connection
- External 2 Speed Switch – ROT Compatible
- 240Volt – Australian 3 Pin Plug and lead fitted
- Body and Base P/P, Fan Blade ABS



RX200 200mm

SAA-193317-EA

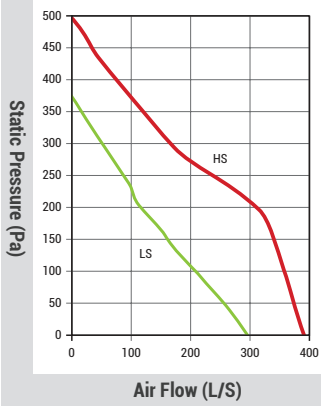
- 197mm Connection
- External 2 Speed Switch – ROT Compatible
- 240Volt – Australian 3 Pin Plug and lead fitted
- Body P/P, Base Metal, Fan Blade ABS



RX250 250mm

GMA-509825-EA

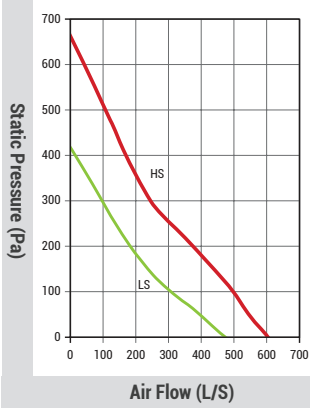
- 247mm Connection
- External 2 Speed Switch – ROT Compatible
- 240Volt – Australian 3 Pin Plug and lead fitted
- Body and Fan Blade P/P, Base Metal

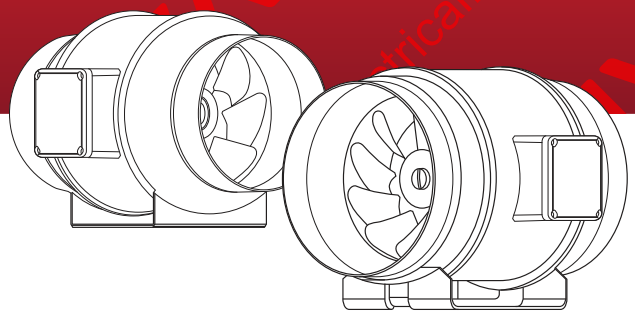


RX315 315mm

GMA-509825-EA

- 312mm Connection
- External 2 Speed Switch – ROT Compatible
- 240Volt – Australian 3 Pin Plug and lead fitted
- Body and Fan Blade P/P, Base Metal

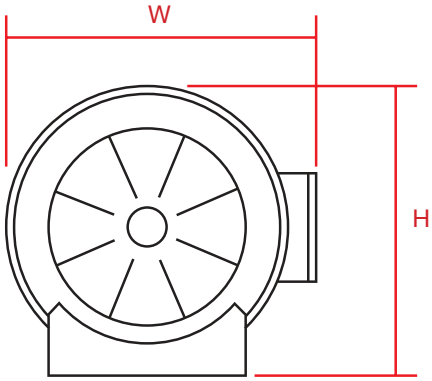


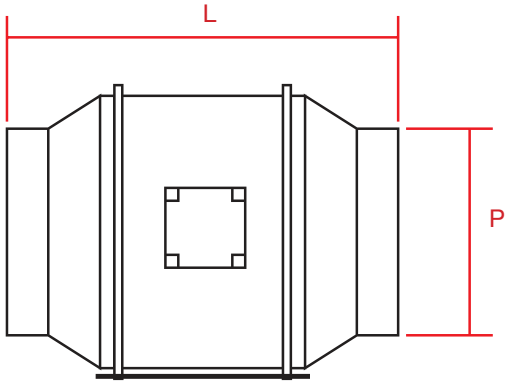


Performance Data

SPECIFICATIONS	RX100		RX125		RX150		RX200		RX250		RX315	
	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High
Speed (RPM)	1850	2200	1850	2250	1850	2550	1950	2450	1850	2450	1650	2350
Airflow (m^3/h)	165	198	248	284	410	530	690	840	1064	1405	1750	2206
Airflow (l/s)	46	55	69	79	114	147	192	233	296	390	474	613
Air Pressure (Pa)	131	156	106	159	240	300	274	352	371	488	435	693
Noise (dB) @3m	26	31	26	31	29	33	55	63	58	66	61	69
Current (Amps)	0.11	0.12	0.13	0.14	0.19	0.22	0.52	0.53	0.75	1.2	1.4	1.9
Power (W)	23	26	28	33	44	54	123	128	165	225	275	390
Operating Temp	-20°C ~ 60°C											
Voltage /Frequency	220 ~ 240V / 50Hz											
IP Rating	IP44											

Length mm (L)	302	257	313	302	383	446
Width mm (W)	204	204	227	249	310	386
Height mm (H)	195	195	208	237	286	357
Pop mm (P)	97	123	147	197	247	312





Mounting & Dismounting

Easy mount and Dismount.

The support bracket allows the central fan body to be fitted or removed without dismantling the ductwork.

- Remove body to install bracket.

Align fan body with arrow flow direction.

Quick Release Mounting Bracket

Use with metal based fans

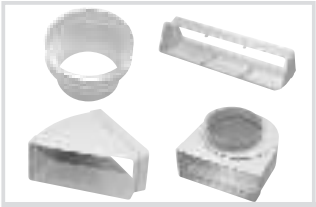
- RX200
- RX250
- RX315

P/No: RXBRACK

Installation Components

Flexible Duct – Nude

Non Return Damper



Low Profile Duct

Metal Vent Grilles available on Pg. 23

Vent Grilles

NUDE CORE & DAMPER

3 ZERO NUDE CORE

- 1 Layer metalised film (outer layer)
- Water based Flame Retardant adhesive
- 1 Layer of clear film (inner surface)
- 6M

PART NO.	SIZE (mm)
NC64	100
NC65	125
NC66	150
NC68	200
NC610	250
NC612	300
NC614	350

4 ZERO NUDE CORE

- 1 Layer metalised film (outer layer)
- Water based Flame Retardant adhesive
- 1 Layer of aluminium laminate to 1 layer of clear film (2 layers)
- Ideal for rangehoods
- 6M

PART NO.	SIZE (mm)
4ZNC5	125
4ZNC6	150
4ZNC8	200

- Metalised Core - Un-Insulated - General Use: Exhaust - Ventilation Systems
- Metalised Black Inner
- Fire Rated
- Operating Temperature -20°C to +80°C
- Operating Pressure -190pa to +1200pa

NON RETURN DAMPERS - SPRING LOADED

PART NO.	Size (mm)
NRD100	100
NRD125	125
NRD150	150
NRD200	200
NRD250	250

LOW PROFILE DUCT

Suitable for domestic & commercial application.

- Compatible with RX mixed flow fans
- Allows higher ceilings in apartments
- Channel duct comes in 2m length
- Used in limited ceiling space
- Brackets can be fixed using ramset charges thus reducing installation time
- Maximises fan performance due to less resistance
- Fire resistant

	220 x 90	350 x 75
DESCRIPTION	PART NO	PART NO
2M RECTANGLE DUCT	LPD22902M	LPD35752M
45° VERTICAL BEND	LPD22045VB	LPD35045VB
90° VERTICAL BEND	LPD22090VB	LPD35090VB
45° HORIZONTAL BEND	LPD22045HB	LPD35045HB
90° HORIZONTAL BEND	LPD22090HB	LPD35090HB
CONNECTOR	LPD220DUCON	LPD350DUCON
ROUND TO ROUND ADAPTOR	LPD220R2R15 (150-125mm)	-
ROUND TO ROUND ADAPTOR	LPD220R2R20 (200-150mm)	-
RANGEHOOD ADAPTOR	LPD220RANGE	LPD350RANGE
ROUND TO RECTANGLE ADAPTOR	LPD220RTREC150 (220-150mm)	LPD350RTREC150 (350-150mm)
ROUND TO RECTANGLE ADAPTOR	LPD220RTREC200 (220-200mm)	LPD350RTREC200 (350-200mm)
T PIECE	LPD220TP	LPD350TP
90° ELBOW	LPD125R90E (125mm)	-
DUCT CLIP	LPD220CLIP	LPD350CLIP

GRILLES

select range

ROUND EGGCRATES

PART NO.	SIZE (mm)
ECR150	150
ECR200	200

SQUARE EGGCRATES

PART NO.	SIZE (mm)
ECA150	150
ECA200	200

FIXED LOUVRES

PART NO.	SIZE (mm)
FLG100	100
FLG125	125
FLG150	150

GRAVITY LOUVRES

PART NO.	SIZE (mm)
GLG100	100
GLG125	125
GLG150	150

ROOF VENTS

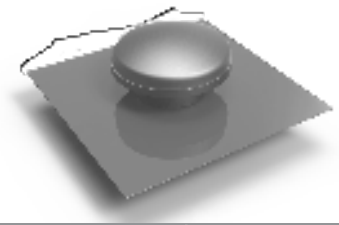
ROOF COWL SETS

PART NO.	SIZE (mm)
• GENERAL PURPOSE COWL KIT 150	
SECD0172	150
• CENTRIFUGAL FAN INCORPATED IN A COWL L/S = 130	
SEC0530	150
• AXIAL FAN INCORPATED IN A COWL L/S = 80	
SEC0532	150

EXHAUST VENTS

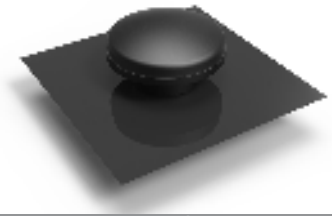
- Vent Condensation and Odours
- Suits 150mm Duct
- Flashing 500mm Square
- UV Stabilised Plastic version won't rust or discolour
- Available in various colours

FORMABLE ALUMINIUM FLASHING



PART NO.	COLOUR
RVBKALU	BLACK
RVBASALU	BASALT
RVDUNALU	DUNE
RVGULALU	GULLY
RVRDALU	TERRA RED
RVSFMALU	SURF MIST
RVSGALU	SHALE GREY

FORMABLE ALUMINIUM FLASHING BAL29 UL94



BAL RATED

PART NO.	COLOUR
RVBKALUBAL	BLACK
RVBASALUBAL	BASALT
RVDUNALUBAL	DUNE
RVGULALUBAL	GULLY
RVRDALUBAL	TERRA RED
RVSFMALUBAL	SURF MIST
RVSGALUBAL	SHALE GREY

CORRUGATED FLASHING

PART NO.	COLOUR
RVBKCOR	BLACK
RVBASCOR	BASALT
RVDUNCOR	DUNE
RVGULCOR	GULLY
RVRDCOR	TERRA RED
RVSFMCOR	SURF MIST
RVSGCOR	SHALE GREY

CORRUGATED FLASHING BAL29 UL94

BAL RATED

PART NO.	COLOUR
RVBKCORBAL	BLACK
RVBASCORBAL	BASALT
RVDUNCORBAL	DUNE
RVGULCORBAL	GULLY
RVRDCORBAL	TERRA RED
RVSFMCORBAL	SURF MIST
RVSHCORBAL	SHALE GREY

COLOUR OPTIONS

Black

Dune

Terracotta Red

Shale Grey

Gully

Basalt

Surf Mist (Of white)

ELECTRICAL

MORRISSON

MORRISSON

ISOLATING SWITCH - WEATHERPROOF

- IP 66
- AS/NZS IEC 6097-3:2015
- Available in packs of 10

PART NO.	DESCRIPTION
ISL120FX	1P 20A - 250V
ISL135FX	1P 35A - 250V
ISL220FX	2P 20A - 440V
ISL335FX	3P 35A - 500V
MINI ISOLATOR	
FDS120	1P 20A - 250V

ISOLATOR BRACKET

- Electro Galvanised - Zinc Coated Steel
- 2x Conduit Cut Outs
- 4x Conduit Retaining Tabs
- 5x Pre-Drilled Mounting Holes

PART NO.	DIMENSIONS (mm)
ISOBRAC	300 x 140 x 150

POWER OUTLET - WEATHERPROOF

- IP 53, 250V
- AS/NZS 3112:2011
- Available in packs of 10

PART NO.	DESCRIPTION
FD56S110H	1 Outlet 10A
FD56S210	2 Outlet 10A

RCBO

- 30mA, 240V, 6kA
- Overcurrent protection
- ESV approved
- AS/NZS 61009:2015
- Residual current operated circuit breaker

PART NO.	DESCRIPTION
DL7NL4010	1P+N 10A
DL7NL4016	1P+N 16A
DL7NL4020	1P+N 20A
DL7NL4025	1P+N 25A

CONDUIT ACCESSORIES

PART NO.	DESCRIPTION	SIZE (mm)
RC20G	RIGID CONDUIT - 4M	20
RC25G	RIGID CONDUIT - 4M	25
CSCT20	CLIP ADAPTOR WITH RING	20
CSCT25	CLIP ADAPTOR WITH RING	25
ST20	STRAIGHT TEE	20
ST25	STRAIGHT TEE	25
EL20	SOLID ELBOW 90°	20
EL25	SOLID ELBOW 90°	25
TC20	SOLID COUPLING	20
TC25	SOLID COUPLING	25
FDMB1220	FULL SADDLE	20
FDMB1225	FULL SADDLE	25
FDMB1120	HALF SADDLE	20
FDMB1125	HALF SADDLE	25
FDTX001	SMALL JUNCTION BOX	81 x 61 x 40
FDTX002	LARGE JUNCTION BOX	100 x 65 x 48

CABLES & TIES

FLEXIBLE CONDUIT

MORRISSON

- Medium Duty - Grey
- UV Stabilised
- IEC 61386-1 (AS/NZS 2053-1:2001)
- Fire Retardant

PART NO.	SIZE (mm)
MCC2020	20mm - 20M
MCC2520	25mm - 20M

CABLE TIES

PART NO.	SIZE (mm)	COLOUR
CT200B	4.5 x 200	BLACK
CT200W	4.5 x 200	WHITE
CT370B	4.5 x 360	BLACK
CT370W	4.5 x 360	WHITE
CT530W	7.5 x 540	WHITE
CT810W	9 x 780	WHITE
DT1200/100	9 x 1200	WHITE
CM855	COBRA MOUNTING	PURPLE

CABLES

PART NO.	DESCRIPTION
HVAC CABLE - 100M	
AC4CORE	3x1.5mm2 + 7/.5 E FLAT A/C 450/750V V90 BLUE
CONTROLLER CABLE - 100M	
FIG8	FIGURE 8 SECURITY 24/0.2 (0.75mm2)
ROUND WHITE SHEATH - SINGLE CORE - 100M	
CAB1-5SDI	SDI RED CORE WHITE SHEATH 1.5mm2 7/.5 100M
FLAT WHITE - TWIN CORE - 100M	
CAB1-5TWIN	TPS 2C 1.5mm2 7/0.5 450/750V 90C RED :WHITE
FLAT WHITE - TWIN CORE - EARTH - 100M	
CAB1-5TCE	TPS 2C+E 1.5mm2 7/.5 450/750V 90C :WHITE
CAB2-5TCE	TPS 2C+E 2.5mm2 7/.67 450/750V 90C :WHITE
CAB4-0TCE	TPS 7/.85 TWIN + 7/0.67 E 450/750V 90C :WHITE
CAB6-0TCE	TPS 7/1.04 TWIN + 7/0.67 E 450/750V 90C :WHITE

COPPER & ACCESSORIES

ARADON NITRILE-FR

FIRE RATED PAIR COIL

ARADON-FR

PAIR COIL - FIRE RATED

- Rubber Insulated
- Annealed Copper Tube - AS1571
- Insulation - AS1530.3-1999
- R410a rated

PART NO.	SIZE (INCH)	OD	WT	R-VALUE
13mm INSULATION - 20M ROLL				
AFR1438-13	1/4" - 3/8"	6.35 9.52	0.81 0.81	0.76 0.65
AFR1412-13	1/4" - 1/2"	6.35 12.7	0.81 0.81	0.76 0.61
AFR1458-13	1/4" - 5/8"	6.35 15.88	0.81 1.02	0.76 0.57
AFR3858-13	3/8" - 5/8"	9.52 15.88	0.81 1.02	0.65 0.57
AFR3834-13	3/8" - 3/4"	9.52 19.05	0.81 1.14	0.65 0.55
19mm INSULATION - 18M ROLL				
AFR1438-19	1/4" - 3/8"	6.35 9.52	0.81 0.81	1.07 1.25
AFR1412-19	1/4" - 1/2"	6.35 12.7	0.81 0.81	0.99 1.25
AFR1458-19	1/4" - 5/8"	6.35 15.88	0.81 1.02	0.93 1.25
AFR1438-19	3/8" - 5/8"	9.52 15.88	0.81 1.02	0.93 1.07
AFR3834-19	3/8" - 3/4"	9.52 19.05	0.81 1.14	0.89 1.07

ARADON-FR

PAIR COIL

PAIR COIL - WHITE INSULATION

- Annealed Copper Tube - AS1571
- 9mm Insulation PE
- R410A rated

PART NO.	SIZE (inch)	OD	WT
9mm INSULATION - 20M ROLL			
PC1438	1/4" - 3/8"	6.35 9.52	0.81 0.81
PC1412	1/4" - 1/2"	6.35 12.7	0.81 0.81
PC1458	1/4" - 5/8"	6.35 15.88	0.81 1.02
PC3858	3/8" - 5/8"	9.52 15.88	0.81 1.02
PC3834	3/8" - 3/4"	9.52 19.05	0.81 1.14
9mm INSULATION - 10M ROLL			
PC103858	3/8" - 5/8"	9.52 15.88	0.81 1.02
9mm INSULATION - 5M ROLL			
PC51438	1/4" - 3/8"	6.35 9.52	0.81 0.81
PC51412	1/4" - 1/2"	6.35 12.7	0.81 0.81
PC51458	1/4" - 5/8"	6.35 15.88	0.81 1.02
PC53858	3/8" - 5/8"	9.52 15.88	0.81 1.02

COPPER PIPE & ACCESSORIES

HARD DRAWN

- R410A rated
- **6M** lengths

PART NO.	SIZE (mm)	SIZE (inch)
HD14	6.35	1/4”
HD38	9.52	3/8”
HD12	12.70	1/2”
HD58	15.88	5/8”
HD34	19.05	3/4”
HD78	22.23	7/8”
HD1	25.40	1”
HD118	28.60	1 - 1/8”
HD138	34.92	1 - 3/8”
HD158	41.28	1 - 5/8”

COMPRESSION FITTING - BRASS

PART NO.	DESCRIPTION	
UNION		
CFU15FIC	15FI x 15C	
CFU20FIC	20FI x 20C	
FLARED UNION		
CFU15C	15C x 15C	
CFU20C	20C x 20C	
CFU15MIC	15MI x 15C	
CFU20MIC	20MI x 20C	
FLARED ELBOW		
CFE20C	20C x 20C	
CFE20FIC	20FI x 20C	
CFE20MIC	20MI x 20C	
TEE -Triple Union		
CFT15C	15C x 15C x 15C	
CFT20C	20C x 20C x 20C	

SOFT DRAWN PANCAKE

- R410A rated

PART NO.	SIZE (mm)	SIZE (inch)
CR14	6.35 - 30M	1/4”
CR38	9.52 - 18M	3/8”
CR12	12.70 - 18M	1/2”
CR58	15.88 - 18M	5/8”
CR34	19.05 - 18M	3/4”
CR78	22.23 - 18M	7/8”

WATER - TYPE B

PART NO.	SIZE (mm)	SIZE (inch)
DN15B	12.7 - 18M	1/2”
DN20B	19.5 - 18M	3/4”

BALL & BUTTERFLY VALVES

PART NO.	SIZE (mm)	SIZE (inch)
GC15	15	1/2”
GC20	20	3/4”
WATER - BUTTERFLY VALVE		
G15W	15	1/2”
WATER - BALL VALVE		
BV15	15	1/2”
BV20	20	3/4”

- Gas Compression AGA Approved
- Water FL X FL WM
- Ball Valves are Fi X FI Dual Approved

ACCESSORIES

ARADON

Accessories are compatible with Australian Standard AS/NZS 1571 copper tube and suitable for use with R410a refrigerant.

ELBOWS 45°

PART NO.	SIZE (mm)	SIZE (inch)	BAG QTY
ELB45014	6.35	1/4”	10
ELB45038	9.52	3/8”	10
ELB45012	12.70	1/2”	10
ELB45058	15.88	5/8”	10
ELB45034	19.05	3/4”	5
ELB45078	22.23	7/8”	5
ELB45010	25.40	1”	2
ELB45118	28.60	1 - 1/8”	2
ELB45138	34.9	1 - 3/8”	2
ELB45158	41.28	1 - 5/8”	2

ELBOWS 90°

PART NO.	SIZE (mm)	SIZE (inch)	BAG QTY
ELB90014	6.35	1/4”	10
ELB90038	9.52	3/8”	10
ELB90012	12.70	1/2”	10
ELB90058	15.88	5/8”	10
ELB90034	19.05	3/4”	5
ELB90078	22.23	7/8”	5
ELB90010	25.40	1”	2
ELB90118	28.60	1 - 1/8”	2
ELB90138	34.9	1 - 3/8”	2
ELB90158	41.28	1 - 5/8”	2

SOCKETS

PART NO.	SIZE (mm)	SIZE (inch)	BAG QTY
SOK014	6.35	1/4”	10
SOK038	9.52	3/8”	10
SOK012	12.70	1/2”	10
SOK058	15.88	5/8”	10
SOK034	19.05	3/4”	5
SOK078	22.23	7/8”	5
SOK010	25.40	1”	2
SOK118	28.60	1 - 1/8”	2
SOK138	34 - 9	1 - 3/8”	2
SOK158	41.28	1 - 5/8”	2

T JOINTS

PART NO.	SIZE (mm)	SIZE (inch)	BAG QTY
TEE012	12.70	1/2”	5
TEE034	19.05	3/4”	5

The Original Flame-Free Refrigerant Press Fittings

FLAME-FREE FITTINGS FOR A SAFER, EASIER FUTURE

With the industry transitioning to flammable refrigerants, contractors using RLS press fittings will benefit from offering flame-free services.

Advantages include:

- A safer work environment
- Reduced risks
- No need to nitrogen purge
- No dragging heavy equipment

Add up all of the benefits – safer conditions, no fire hazards, increased efficiencies and RLS press fittings can offer huge cost and time savings, with far fewer headaches

FLAME - FREE ZONE

MADE IN USA

REDUCERS

PART NO.	SIZE (mm)	SIZE (inch)
RRED3814	9.8 - 6.6	3/8” - 1/4”
RRED1214	13.0 - 6.6	1/2” - 1/4”
RRED1238	13.0 - 9.8	1/2” - 3/8”
RRED5814	16.1 - 6.6	5/8” - 1/4”
RRED3858	16.1 - 9.8	5/8” - 3/8”
RRED5812	16.1 - 13.0	5/8” - 1/2”
RRED3412	19.3 - 13.0	3/4” - 1/2”
RRED3458	19.3 - 16.1	3/4” - 5/8”
RRED7812	22.5 - 13.0	7/8” - 1/2”
RRED7858	22.5 - 16.1	7/8” - 5/8”
RRED7834	22.5 - 19.3	7/8” - 3/4”
RRED1078	25.7 - 22.5	1” - 7/8”
RRED11812	28.8 - 13.0	1 1/8” - 1/2”
RRED11858	28.8 - 16.1	1 1/8” - 5/8”
RRED11834	28.8 - 19.3	1 1/8” - 3/4”
RRED11878	28.8 - 22.5	1 1/8” - 7/8”
RRED13878	35.2 - 22.5	1 3/8” - 7/8”
RRED138118	35.2 - 28.8	1 3/8” - 1 1/8”

COUPLINGS

PART NO.	SIZE (mm)	SIZE (inch)
RSOK014	6.6	1/4”
RSOK038	9.8	3/8”
RSOK012	13.0	1/2”
RSOK058	16.1	5/8”
RSOK034	19.3	3/4”
RSOK078	22.5	7/8”
RSOK100	25.7	1”
RSOK118	28.8	1 - 1/8”
RSOK138	35.2	1 - 3/8”

The RLS Advantage

- High Pressure HVAC/R
- Continuous operating temperature 120°
- MRP = 700 psi / 48 bar
- Max Burst Pressure UL 207 = 2100 psi / 145 bar
- Vibration Resistance conforms to ULD 109
- 5 Year Warranty from date of install

ELBOWS 45°

PART NO.	SIZE (mm)	SIZE (inch)
RELB45038	9.8	3/8”
RELB45012	13.0	1/2”
RELB45058	16.1	5/8”
RELB45034	19.3	3/4”
RELB45078	22.5	7/8”
RELB45118	28.8	1 - 1/8”
RELB45138	35.2	1 - 3/8”

ELBOWS 90°

FLAME - FREE ZONE

- Long radius

PART NO.	SIZE (mm)	SIZE (inch)
RELB90014	6.6	1/4”
RELB90038	9.8	3/8”
RELB90012	13.0	1/2”
RELB90058	16.1	5/8”
RELB90034	19.3	3/4”
RELB90078	22.5	7/8”
RELB90100	25.7	1”
RELB90118	28.8	1 - 1/8”
RELB90138	35.2	1 - 3/8”

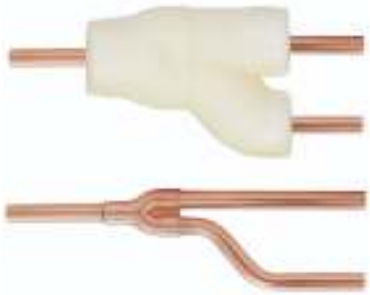
TEES

PART NO.	SIZE (mm)	SIZE (inch)
RTEE038	9.8	3/8”
RTEE012	13.0	1/2”
RTEE058	16.1	5/8”
RTEE034	19.3	3/4”
RTEE078	22.5	7/8”
RTEE118	28.8	1 - 1/8”
RTEE138	35.2	1 - 3/8”

SAE FLARE

PART NO.	SIZE (mm)	SIZE (inch)
RSAEF14	6.6	1/4”
RSAEF38	9.8	3/8”
RSAEF12	13.0	1/2”
RSAEF58	16.1	5/8”
RSAEF34	19.3	3/4”

Y-JOINTS



FLAME - FREE ZONE

PART NO.	SIZE (mm)	SIZE (inch)
RY038	9.7	3/8”
RY012	12.7	1/2”
RY058	16.0	5/8”
RY034	19.1	3/4”
RY078	22.4	7/8”
RY118	28.7	1 - 1/8”

KLAUKE KIT & JAWS

PART NO. **KTOOLSET5**

Kit Includes:

- 19kN Klauke Crimping Tool (1 3/8” capacity)
- 5 Jaws
- Tube Cutter
- Deburring Tool
- Crimp Guage
- Depth Guage
- Stainless Steel Brush
- Abrasive Pad
- Permanent Marker*

*Model and contents may change subject to avail-

PART NO.	SIZE (mm)	SIZE (inch)
KJ014	6.6	1/4”
KJ038	9.8	3/8”
KJ012	13.0	1/2”
KJ058	16.1	5/8”
KJ034	19.3	3/4”

PART NO.	SIZE (mm)	SIZE (inch)
KJ078	22.5	7/8”
KJ100	25.7	1”
KJ118	28.8	1-1/8””
KJ138	35.2	13/8”

c UL us LISTED

All RLS products are approved for use with the following refrigerants:

R-32	R-125	R-134a	R-143a	R-152a	R-227ea	R-290	R-404A	R-407A
R-407B	R-407C	R-407F	R-407G	R-407H	R-410A	R-417A	R-421A	R-422A
R-422B	R-422C	R-422D	R-424A	R-427A	R-434A	R-437A	R-438A	R-442A
R-444A	R-444B	R-445A	R-446A	R-447A	R-448A	R-449A	R-449B	R-449C
R-450A	R-451A	R-451B	R-452A	R-452B	R-452C	R-453A	R-454A	R-454B
R-454C	R-455A	R-456A	R-457A	R-458A	R-507A	R-513A	R-513B	R-515A
R-515B	R-600	R-600a	R-718	R-1234yf	R-1234ze	Ethylene Glycol		

Check your local codes to ensure that RLS press fittings are suitable for use with your particular refrigerant.

PIPE INSULATION

NITRILE-FR

Applications

- Heating
- Airconditioning
- Plumbing
- Refrigeration
- Solar Energy

Fire Rated

- Tested to AS1530.3
- No Flame Spread
- Non Drip
- Low Smoke
- Density 60-75kg / m³
- Operating Temperature 40° C / +105° C

- **2M** LENGTHS

PART NO.	PIPE SIZE (mm)	PIPE SIZE (inch)	R-VALUE	CARTON QTY
9mm WALL				
NFR0906	6	1/4”	0.48	168
NFR0910	10	3/8”	0.41	120
NFR0913	13	1/2”	0.39	100
NFR0915	15	5/8”	0.37	90
NFR0920	20	3/4”	0.35	72
NFR0922	22	7/8”	0.34	65
NFR0925	25	1”	0.33	49
NFR0928	28	1 - 1/8”	0.33	49
13mm WALL				
NFR1306	6	1/4”	0.77	100
NFR1310	10	3/8”	0.66	90
NFR1313	13	1/2”	0.61	83
NFR1315	15	5/8”	0.58	70
NFR1320	20	3/4”	0.55	56
NFR1322	22	7/8”	0.54	42
NFR1325	25	1”	0.52	36
NFR1328	28	1 - 1/8”	0.51	36
NFR1335	35	1 - 3/8”	0.48	30
NFR1341	41	1 - 5/8”	0.47	25

PIPE INSULATION

NITRILE-FR

Applications

- Heating
- Airconditioning
- Plumbing
- Refrigeration
- Solar Energy

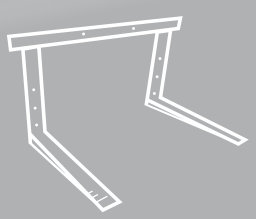
Fire Rated

- Tested to AS1530.3
- No Flame Spread
- Non Drip
- Low Smoke
- Density 60-75kg / m³
- Operating Temperature 40° C / +105° C

- **2M** LENGTHS

PART NO.	PIPE SIZE (mm)	PIPE SIZE (inch)	R-VALUE	CARTON QTY
19mm WALL				
NFR1910	10	3/8”	1.08	36
NFR1913	13	1/2”	1.00	30
NFR1915	15	5/8”	0.94	30
NFR1920	20	3/4”	0.90	26
NFR1922	22	7/8”	0.86	24
NFR1925	25	1”	0.83	20
NFR1928	28	1 - 1/8”	0.81	20
NFR1935	35	1 - 3/8”	0.77	18
NFR1941	41	1 - 5/8”	0.74	16
25mm WALL				
NFR2510	10	3/8”	1.54	30
NFR2513	13	1/2”	1.42	28
NFR2515	15	5/8”	1.34	24
NFR2520	20	3/4”	1.27	20
NFR2522	22	7/8”	1.22	20
NFR2525	25	1”	1.18	18
NFR2528	28	1 1/8”	1.14	18
NFR2535	35	1 3/8”	1.08	15
NFR2541	41	1 5/8”	1.03	12

WORKS WELL WITH ARADON COPPER!



UNIT INSTALLATION

HVAC HARDWARE

ASUKA
CAPPING ACCESSORIES

BRACKETS & CAGES

red-wall

CONDENSER WALL BRACKET

- CWB180 - 1.8mm
- CWBX - 2.0mm
- CWB160S - 1.5mm
- CWB230S - 1.8mm

PART NO.	DIMENSIONS	LIMIT (kg)
GALVANISED POWDER COATED		
CWB180	W:450 H:350 L:700	180
CWBX	W:550 H:450 L:850	250
STAINLESS STEEL - #304		
CWB160S	W:450 H:350 L:800	180
CWB230S	W:550 H:450 L:850	230

CONDENSER ROOF BRACKET

- Galvanised Powder Coated
- Pitch adjustable legs
- 1.5mm

PART NO.	DIMENSIONS	LIMIT (kg)
CRB150	W: 580 H: 580 L: 800	150

CONDENSER CAGES

- Secure Air Conditioning Equipment from Damage, Theft and Vermon
- Zinc Plated and Back Powder Coated Finish
- Side and Top Service Access Panels

Please verify stock availability prior to ordering.

PART NO.	DIMENSIONS
CONCAGE1	1100W x 550D x 600H
CONCAGE2	1100W x 550D x 800H
CONCAGE3	1100W x 550D x 1100H
CONCAGE4	1100W x 550D x 1400H
CONCAGE5	1100W x 550D x 1600H

WAFFLE PADS

PART NO.	DESCRIPTION	SIZE (mm)
WP4545	PAD	450 x 450
WPR3030	RIPPABLE PAD	300 x 300
WS1100	STRIP	1000 x 100

EQUIPMENT BASES

PLASTIC SLAB

- HDPE
- UV Stable

PART NO.	DIMENSIONS	LIMIT (kg)
SLAB-M	845 x 415 x 48mm	180
SLAB-S	595 x 345 x 48mm	110

CONCRETE SLAB

PART NO.	DESCRIPTION	SIZE (mm)
CON4545	STANDARD SLAB	450 x 450
CON6045	LIGHT SLAB	600 x 450
EVC9045	REO SLAB	900 x 450

CHIPBOARD AND TIMBER

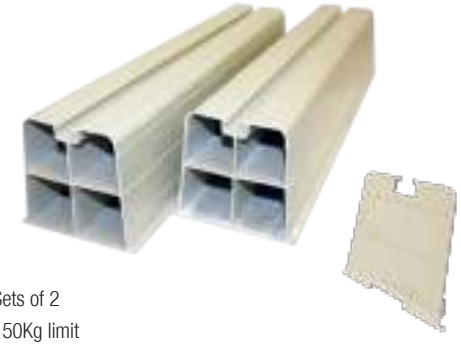
PART NO.	DISCRIPTION
CHIP18	CHIPBOARD 1800 x 600 - 18mm
TIM4X1 - 1.8	TIMBER 90 x 35mm - 1.8M LONG

METAL CONDENSER FEET

- 1.2M lengths

PART NO.	DESCRIPTION	SIZE (mm)
TH25G	GALVANISED	25 x 100
TH50G	GALVANISED	50 x 100
TH25Z	ZINC	25 x 100
TH50Z	ZINC	50 x 100

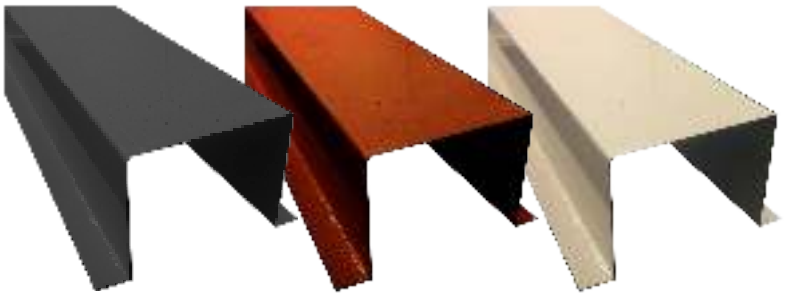
PLASTIC CONDENSER FEET



- Sets of 2
- 150Kg limit

PART NO.	DESCRIPTION	SIZE (mm)
FEET	PVC	450 x 95
FEET1MTR	PVC	1000 x 95
FEETCAP	END CAPS	FITS ABOVE

METAL CAPPING



- **2.4M** lengths

PART NO.	COLOUR	SIZE (mm)
CCAPBLK	BLACK	80 x 100 x 20
CCAPC	CLASSIC CREAM	80 x 100 x 20
CCAPDUNE	DUNE	80 x 100 x 20
CCAPJASP	JASPER	80 x 100 x 20
CCAPR	MANOR RED	80 x 100 x 20
CCAPMONU	MONUMENT	80 x 100 x 20
CCAPB	PAPERBARK BEIGE	80 x 100 x 20
CCAPHG	RIVERGUM	80 x 100 x 20
CCAPSHGR	SHALE GREY	80 x 100 x 20
CCAPW	SURF MIST WHITE	80 x 100 x 20
CCAPG	WOODLAND GREY	80 x 100 x 20
CAP	GALVANISED	80 x 100 x 20

PLASTIC CAPPING

ASUKA
CAPPING ACCESSORIES

90° FLAT ELBOW

PART NO.	DIMENSIONS
W80FE90	80mm - 120 x 120
W100FE90	100mm - 140 x 140

90° WALL BEND

PART NO.	SIZE (mm)
W80OTW	80mm - 100 x 100
W100OTW	100mm - 110 x 110

WALL DUCT

PART NO.	SIZE 2M
W80D2	80
W100D2	100

EAVE CAP

PART NO.	SIZE (mm)
W80EC	80mm - 70 x 130
W100EC	100mm - 70 x 138

FLEXIBLE JOINER

PART NO.	SIZE (mm)
W80FJ	80mm - LENGTH 1020
W100FJ	100mm - LENGTH 770

JOINER

PART NO.	SIZE (mm)
W80PJ	80mm x 50
W100PJ	100mm x 65

END CAP

PART NO.	SIZE (mm)
W80WC	80
W100WC	100

END CAP - 2PC

PART NO.	SIZE (mm)
W80CAP	80mm - 100 x 205
W100CAP	100mm - 127 x 225

T JOINT

PART NO.	
W100T	100mm - 200 x 150

SILICONS & SEALANTS

PART NO.	DESCRIPTION
SILCLEAR	PLUMBERS TRANSLUCENT CLEAR 300g
SILDUCT	DUCT SEALANT 420g
SILFIRE	FIRESOUND GREY 450g
SILGAP	GAP FILLER 450g
SILGREY	SILICON SEALANT GREY 400g
FMHPE	FIRE MASTIC SEALANT CART 310ml
HBF260HITEMP	HI TEMP SILICON - RED

RUBBER MOUNTS

PART NO.	DESCRIPTION / SIZE (mm)	LIMIT (kg)
RMW10	RUBBER WASHER M10 (100PC)	-
35M10IW	RUBBER INSULATING WASHER - M10	-
35HD60	RUBBER ELEMENT - M10	-
CM12	MOUNT SET OF 4	30
NWM30R	RED - 45 X 88 X 37	15-30
NMAW20	WHITE - 76 X 76 X 41	7-20
NMAR40	RED - 76 X 76 X 41	15-40
NMBR70	RED - 76 X 76 X 50	30-70
NMBB170	BLUE - 76 X 76 X 50	80-170
NMBG100	GREEN - 76 X 76 X 50	50-100
CM855	CABLE TIE MOUNT - **100PC** BAG	-

SUSPENSION

PART NO.	DESCRIPTION / SIZE (mm)	LIMIT (kg)
ISOLATING SPRINGS	Includes 1x Spring & 2x Rubber Cups	
IS30	SILVER	15 - 30
IS45	GOLD	22 - 45
IS70	BLACK	35 - 70
IS100	GREEN	50 - 100
SPRING HANGERS	Includes 1x Spring, 1x Rubber Cup & 1x Metal Cup	
SH30	SILVER	15 - 30
SH45	GOLD	22 - 45
SH70	BLACK	35 - 70
SHB	GALVANISED STEEL - 140 x 70 x 65	-
SLOTTED ANGLES, STRUTS & LINTEL		
SA30	30 X 30 X 2.5 - 3M - ZINC	-
SA40	40 X 40 X 2.5 - 3M - ZINC	-
SA50	50 X 50 X 5 - 3M - ZINC	-
SS20	40 X 20 X 2.5 - 3M - GAL	-
SS40	40 X 40 X 2.5 - 3M - GAL	-
LINTEL	50 X 50 - 1.2M	-

INSTALLATION HARDWARE

HVAC HARDWARE

Packed in convenient jars and boxes

PART NO.	DESCRIPTION	PACK TYPE/QTY	
ANCHORS			
NA0525	NYLON NAIL IN ANCHOR 5.0X25mm	JAR 150	
NA0540	NYLON NAIL IN ANCHOR 5.0X40mm	JAR 80	
NA0650	NYLON NAIL IN ANCHOR 6.5X50mm	JAR 50	
NA0675	NYLON NAIL IN ANCHOR 6.5X75mm	JAR 25	
DWAN8	DRY WALL ANCHOR NYLON 42mm (#8)	JAR 70	
DWAS8	DRY WALL ANCHOR ZINC 42mm (#8)	JAR 70	
SA1050	SLEEVE ANCHOR ZINC M10 10X50mm	JAR 25	
SA1077	SLEEVE ANCHOR ZINC M10 10X77mm	JAR 15	
SA1050GJ	SLEEVE ANCHOR GAL M10 10x50mm	JAR 25	
SA1077GJ	SLEEVE ANCHOR GAL M10 10x77mm	JAR 15	
ST675Z	SPRING TOGGLE M6X75mm	JAR 10	
DIA2004	DROP IN ANCHOR M10X12X30mm	PK50	
DIA2007	DROP IN ANCHOR M12X16X50mm	PK50	
NIA525Z	NAIL IN ANCHOR 5X22mm ZINC	JAR 100	
NIA632Z	NAIL IN ANCHOR 6.5X32mm ZINC	JAR 70	

INSTALLATION HARDWARE

HVAC HARDWARE

PART NO.	DESCRIPTION	PACK TYPE/QTY	
BOLTS - NUTS - WASHERS			
FNM10	HEX NUT M10 ZINC	JAR 80	
FNM12	HEX NUT M12 ZINC	JAR 40	
HFN100	HEX FLANGE NUT M10 ZINC	JAR 40	
HB1003	HEX BOLT/NUT M10X30mm ZINC	PK50	
FW100	WASHER FLAT M10X24X2.0 ZINC	JAR 150	
FW120	WASHER FLAT M12X28X2.5 ZINC	JAR 60	
MW100	WASHER MUDGUARD M10X38X1.4 ZINC	JAR 100	
MW120	WASHER MUDGUARD M12X38X2.0 ZINC	JAR 40	
HC1040	HEX COUPLER M10 ZINC	PK25	
HC1240	HEX COUPLER M12X40mm ZINC	BOX 20	
TR1003	THREADED ROD M10 ZINC	3M	
TR1203	THREADED ROD M12 ZINC	3M	
SCREWS			
BHDP12Z	BUTTON HEAD DRILLPOINT ZINC 8Gx12mm	JAR 350	
BHDP16Z	BUTTON HEAD DRILLPOINT ZINC 8Gx16mm	JAR 300	
BHDP20Z	BUTTON HEAD DRILLPOINT ZINC 8Gx20mm	JAR 200	
BHDP25Z	BUTTON HEAD DRILLPOINT ZINC 8Gx25mm	JAR 200	
BHDP12G	BUTTON HEAD DRILLPOINT GAL 8Gx12mm	JAR 350	
BHDP16G	BUTTON HEAD DRILLPOINT GAL 8Gx16mm	JAR 300	
BHDP20G	BUTTON HEAD DRILLPOINT GAL 8Gx20mm	JAR 200	
BHDP25G	BUTTON HEAD DRILLPOINT GAL 8Gx25mm	JAR 200	

INSTALLATION HARDWARE

HVAC HARDWARE

PART NO.	DESCRIPTION	PACK TYPE/QTY	
SCREWS CON'T			
BHS25Z	BUGLE HEAD NEEDLE POINT ZINC 7Gx25mm	JAR 300	
BHS32Z	BUGLE HEAD NEEDLE POINT ZINC 7Gx32mm	JAR 200	
BHS40Z	BUGLE HEAD NEEDLE POINT ZINC 7Gx40mm	JAR 200	
CBS25Z	CHIPBOARD SCREW ZINC 8Gx25mm	JAR 200	
CBS32Z	CHIPBOARD SCREW ZINC 8Gx32mm	JAR 200	
CBS35Z	CHIPBOARD SCREW ZINC 8Gx35mm	JAR 200	
CBS40Z	CHIPBOARD SCREW ZINC 8Gx40mm	JAR 200	
CBS45Z	CHIPBOARD SCREW ZINC 8Gx45mm	JAR 200	
THS16Z	TRUSSHEAD SCREW SP 8# 16mm ZINC	JAR 300	
THS20Z	TRUSSHEAD SCREW SP 8# 20mm ZINC	JAR 200	
THS25Z	TRUSSHEAD SCREW SP 8# 25mm ZINC	JAR 200	
DSFT20Z	DRYWALL SCREW FT 8# 20mm ZINC	JAR 200	
DSFT25Z	DRYWALL SCREW FT 8# 25mm ZINC	JAR 200	
DSFT32Z	DRYWALL SCREW FT 8# 32mm ZINC	JAR 200	
GS1240	GAL SCREW W/WASHER 12GX40mm	JAR 100	
PST8032	PAN HEAD SCREW #8	JAR 200	
WALL PLUGS			
WPG735	WALL PLUG GREEN 7X35mm	JAR 100	
WPW535	WALL PLUG WHITE 5X35mm	JAR 160	
FPP8	FOUR PRONGED PLUG 8mm	JAR 100	

INSTALLATION HARDWARE

HVAC HARDWARE

PART NO.	DESCRIPTION	
HANGERS & PLATES		
VHC	VERTICAL HANGER - CONCRETE M10 - 6.5 x 38mm	
VHS	VERTICAL HANGER - STEEL M10 - 25mm	
VHT	VERTICAL HANGER - TIMBER M10 - 25mm	
HHT	HORIZONTAL HANGER - TIMBER M10 - 50mm	
M10VHT50	VERTICAL TIMBER HANGER M10 - 50mm	
CMP	CENTRE MOUNT PLATE M10	
VMP	VERTICAL MOUNTING PLATE M10	
HMP	HORIZONTAL MOUNTING PLATE M10	
LDPH	PURLIN HANGER LIGHT DUTY M10	
HDPH	MEDIUM DUTY PURLIN HANGER M10	

INSTALLATION HARDWARE

HVAC HARDWARE

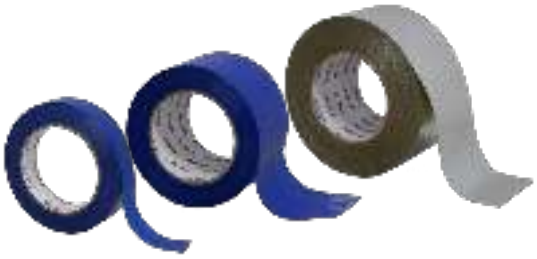
PART NO.	DESCRIPTION	
PCH	PURLIN CLEAT	
ZB	Z BRACKET	
UJC	J CLEAT - UNIVERSAL	
M10BC	BEAM CLAMP M10 - WIDE MOUTH	
M10PC20 M10PC25 M10PC32 M10PC40	PVC PIPE CLAMP M10 - 20mm PVC PIPE CLAMP M10 - 25mm PVC PIPE CLAMP M10 - 32mm PVC PIPE CLAMP M10 - 40mm	
URS URS1075	PLATED REGISTER SPRING - 10 X 35mm UN-PLATED REGISTER SPRING - 10 X 75mm	
HOOPIRON	GALVANISED - 0.6 X 25MM - 30M	

TAPES & STRAPS

DUCT TAPE

PART NO.	DESCRIPTION	SIZE (mm)
DTAPE	GREY	48 - 30M
BTAPE	BLACK	48 - 30M

HANGING STRAP



PART NO.	DESCRIPTION	SIZE (mm)
HTAPE	HANG TAPE	25 - 50M
HS75	HANG STRAP	75 - 50M
SHS75	SISALATION	75

DUCT SADDLE

PART NO.	DESCRIPTION	SIZE (mm)
DUCSAD	ALUMINIUM	75 - 20M

FOIL TAPE

PART NO.	SIZE (mm)
PLAIN	
FT50	50 - 50M
REINFORCED	
FTR50	50 - 50M
FTR75	75 - 50M

FOAM TAPE

PART NO.	SIZE (mm)
FT15	5.0 x 18 x 15M

ELECTRICAL TAPE

PART NO.	SIZE (mm)
ETAPE	19 - 20M

FLUE ACCESSORIES

COWLS

PART NO.	SIZE (mm)
COW100	100
COW125	125

45° BENDS

PART NO.	SIZE (mm)
BEN45100	100
BEN45125	125

90° BENDS

PART NO.	SIZE (mm)
BEN90100	100
BEN90125	125

FLUES

PART NO.	SIZE (mm)
FLU100	100
FLU125	125

FLUE ACCESSORIES

BOLTED SLEEVES

PART NO.	SIZE (mm)
BSL100	100
BSL125	125

FLUE CLIPS

PART NO.	SIZE (mm)
CLI100	150
CLI125	200

SHANK 300

PART NO.	SIZE (mm)
BCS300	300

GALVANISED ROOF COWLS - CHINAMANS HAT

PART NO.	SIZE (mm)
COW150	150
COW200	200

CORFLUTE

PART NO.	SIZE (mm)
CORF600	600 x 600 - 5

- Roof Flashings refer to page 106

PAINTS

SPRAY PAINTS

PART NO.	DESCRIPTION	SIZE
EX011	WHITE GLOSS	250G
EX013	BLACK MATT	250G
EX014	BLACK GLOSS	250G
EX019	SILVER	250G
EX040	LUNAR YELLOW	125G
EX043	AURORA PINK	125G
EX045	HORIZON BLUE	125G

NOTES

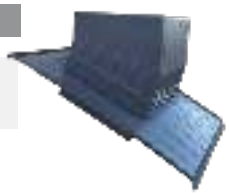
EVAPORATIVE COOLING

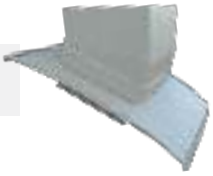
PLASTIC DROPPER SETS

- UV Stable
- Roof Pitches: 14 Degrees - 30 Degrees
- No Joints, Reducing Reducing Potential Leaks
- Will Not Corrode
- 550 x 550mm

PLASTIC DROPPERS

PART NO.	DESCRIPTION	COLOUR
TATDSLATE	DROPPER	SLATE
TATFSLATE	FLASHING	SLATE
TATDTERRA	DROPPER	TERRACOTTA
TATFTERRA	FLASHING	TERRACOTTA
TATDBEIGE	DROPPER	BEIGE
TATFBEIGE	FLASHING	BEIGE





AIRLOC AIRCHUTES

PART NO.	DESCRIPTION	SPECIFICATIONS
AAC3	3-WAY AIRCHUTE	550 X 550 - 3 X 500
AAC4	4-WAY AIRCHUTE	550 X 550 - 4 X 500
CT15M-B	CABLE TIE	15 METRES (NO CLIPS)
CT-CLIP	CABLE TIE CLIPS	BAG OF 20

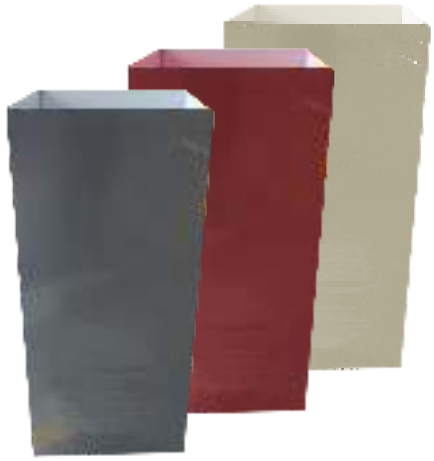
EVAPORATIVE REPLACEMENT PUMPS

PUMPS

PART NO.	DESCRIPTION
EP28	COOLER PUMP 24LPM
EP38	COOLER PUMP 29.5LPM
EP50	COOLER PUMP 38LPM

METAL FLASHING & DROPPERS

DROPPERS



PART NO.	COLOUR
550 x 550 - 600	
DC600BEIGE	STONE BEIGE
DC600GREY	WOODLAND GREY
DC600RED	MANOR RED

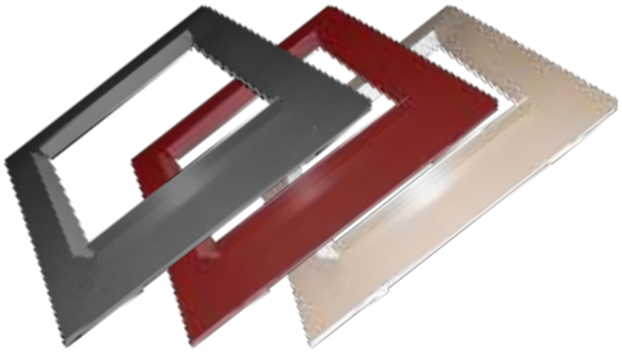
550 x 550 - 1200	
DC55BEIGE	STONE BEIGE
DC55GREY	WOODLAND GREY
DC55RED	MANOR RED
DG55	GALVANISED

550 x 550 - 600 Contour Dropper (10mm fold)	
DCON600BEIGE	STONE BEIGE
DCON600GREY	WOODLAND GREY
DCON600RED	MANOR RED

550 x 550 - 900 Brivis Contour Units (10mm fold)	
DCBBEIGE	STONE BEIGE
DCBGREY	WOODLAND GREY
DCBRED	MANOR RED

* Bases not included

FLASHING



PART NO.	COLOUR
Tiled Roof **550 x 550**	
FC55BEIGE	STONE BEIGE
FC55GREY	WOODLAND GREY
FC55RED	MANOR RED

Tin Roof **550 x 550**	
FC55BEIGETIN	STONE BEIGE
FC55GREYTIN	WOODLAND GREY
FC55REDTIN	MANOR RED
FG55TIN	GALVANISED

BASES/ADAPTORS

PART NO.	SIZE
BASE550	550 x 550
BRIVISADAPTOR	PLASTIC DROPPER ADAPTOR

FILTEX FILTERS®

FILCEL AND ASPEN pads are available from AAD

FILCEL® & ASPEN

AUSTRALIAN MADE AND OWNED

Australian made, owned and operated, Filtex Filters® prides itself on exceptional customer service and innovative technology, bringing the best quality product to market with reliability of supply, fast turnaround service and technical expertise.

FILCEL®

Genuine FILCEL® pads are made in Australia from high quality paper and resins. Built for excellence, our pads are also antibacterially pre-treated and come with a separate tank treatment both of which kill 99% of airborne germs, viruses, bacteria, mould, fungus, and spores and are 100% safe for people, animals, and the environment.*

A genuine product of Filtex Filters®, FILCEL® pads are pre-made to suit all popular makes and models of evaporative coolers and can also be custom-made to measure in our on-site facility.

ASPEN

Filtex Filters® Aspen pads are made using the cleanest, toughest, and most consistent wood wool fibres available globally. Using only genuine Aspen timber, the unique curled fibre with barbed edges gives an interlocking feature that reduces sag and increases saturation capabilities.

Its resilience to readily expand after compression and hold saturation time and time again, is one of its most beneficial properties. The quality and durability of our pads have been proven to outperform all others on the market.

FILCEL® benefits:

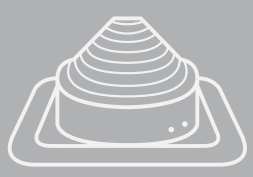
- Australian Made pre-treated antibacterial evaporative cooling pads .
- Bonus Antibacterial tank treatment.
- Antibacterial treatments kill 99% of airborne germs, viruses, bacteria, mould, fungus, and spores and are 100% safe for people, animals, and the environment.*
- Fast wetting for rapid cooling.
- Durable, self-supporting, made with superior quality paper and resins.

ASPEN benefits:

- Resilient interlocking fibres
- Unmatched saturation capabilities
- Reduced sag, strong and self-supporting
- Ecofriendly, ethically sourced & 100% Biodegradable
- Proved to outperform all others for quality and durability.

Direct all enquiries to your nearest branch - not available via SAL

- Available from August 2022
- Price upon application



DRAINAGE

CONDENSATE PUMPS

MINIBLANC

Part No. - MINIBLANC

21 dB (A)

Performance

Max Flow	Max Head
12 Litres/hour	10M

Key Features

- Rotary diaphragm technology
- The small condensate pump that works and works
- Quietest in its class
- Self priming
- 3 year warrenty

Suitability

- Up to 16kW / 54,000Btu/h
- High wall split systems; Ducted units; Floor standing and Chassis units
- Perfect for smaller commercial and domestic units

MINIORANGE

Part No. - MINIORANGE

21 dB (A)

Performance

Max Flow	Max Head	Max Suction Lift
12 Litres/hour	10M	2M

Key Features

- Submersible secondary reservoir included
- Plug and play
- Anti siphon device

Suitability

- Up to 16kW / 54,000Btu/h
- High wall split systems; Ducted units; Floor standing and Chassis units
- Perfect for smaller commercial and domestic units

MAXIORANGE

Part No. - MAXIORANGE

35 dB (A)

Performance

Max Flow	Max Head	Max Suction Lift
35 Litres/hour	15M	2M

Key Features

- Submersible secondary reservoir included
- High power motor
- Superior performance

Suitability

- Up to 46kW / 157,000Btu/h
- High wall split systems; Ducted units; Floor standing and Chassis units
- Perfect for smaller commercial and domestic units

SELECTING THE RIGHT ASPEN PUMP

HI WALL SPLIT A/C
In the ceiling - **Mini/Maxi Orange**
Behind the indoor unit - **Mini Aqua**

HI WALL SPLIT A/C
Under the indoor unit - **Mini Aqua**
In the pipe duct with pipe - **Mini/Maxi Lime**

DUCTED A/C
In the ceiling - **MAX HI FLOW**

CONDENSATE PUMPS

SILENT+ MINI AQUA

Part No. - FP3326

Performance

Max Flow	Max Head	Max Suction Lift
12 Litres/hour	10M	2M

19 dB (A)

Key Features

- Quietest in class
- Acoustic damper
- Plug & Play
- Anit siphon device

Suitability

- Up to 16kW / 54,000Btu/h
- High wall split systems; Ducted units; Floor standing and Chassis units
- Perfect for small & quiet, you'll never know its there

MINILIME

Part No. - MINILIME

Performance

Max Flow	Max Head
12 Litres/hour	10M

21 dB (A)

Key Features

- Acoustic damper
- Pump sits in trunking elbow
- Left or right install
- Self priming

Suitability

- Up to 16kW / 54,000Btu/h
- High wall split systems
- Perfect for commercial use where silence is important

MAX HIGH FLOW TANK PUMP

Part No. - FP3349

Performance

Max Flow	Tank Capacity
550 Litres/hour	1.7L

44 dB (A)

Key Features

- IP24 Splash Proof
- Easy tank access
- Built in spirit level
- Plug and play

Suitability

- Up to 733kW / 2.5M Btu/h
- Ducted units; Floor standing, Chassis units and Cassettes

WHAT SIZE IS THE A/C IN KW?

For every KW of cooling an air conditioner can produce 1 litre of condensate per hour
Example: **5KW unit = 5L/hr**

HOW FAR MUST THE PUMP LIFT THE WATER?

A =Verticle distance from condensate tray to inlet of pump
B = Vertical distance from pump outlet
A + B = Meters of head

OTHER PRODUCTS

FLEXIBLE DRAIN HOSE

- Stepped to fit both 16mm and 18mm pipe
- Black linning
- 12 Month Warranty
- Not for use for installation in wall cavities

PART NO.	DESCRIPTION
FDH1618	CORRUGATED - 50M

P TRAP

- 3/4 Standard Trap
- 3/4 Cross
- 3/4 Tee
- 3x Red Caps
- Yellow Cleaning Label

PART NO.	DESCRIPTION	SIZE (mm)
PTRAP	CONDENSATE TRAP	20

CLEAR TUBING

PART NO.	SIZE (mm)
6MMTUBE	6mm - 30M

DRIP TRAYS

- 55mm Fold
- Galvanised

PART NO.	SIZE (mm)
DT8383	830 x 830
DT1183	1100 x 830
DT1275	1250 x 750
DT1483	1400 x 830
DT1595	1500 x 950
DT1783	1700 x 830

DEKTITES

- Suitable for a 45° roof pitch

PART NO.	PENETRATION SIZE (mm)	BASE SIZE (mm)
F0BS	MINI SOLAR - 0-35mm	100 X 100
F1B	5-55mm - BLACK	139 X 139
F1BS	MINI SOLAR - 5-55mm	139 X 139
F3B	5-127mm	220 x 220
F4B	75-175mm	280 x 280
F5B	100-200mm	308 x 308
F7B	150-300mm	456 x 456

BAL - BUSHFIRE ATTACK LEVEL

• Black Silicon - Rating 12.5 • Red Silicon - Rating 29.0 Not stocked but available upon request.

PART NO.	DESCRIPTION	BASE SIZE (mm)
V1B	NU LEAD BLK EPDM	5-127mm
VERSATILE		
VALB	ALUMINIUM BLACK	100-125mm
VALR	ALUMINIUM RED BAL	100-125mm
VLFB	LEAD-FREE BLACK	100-125mm
VLFR	LEAD-FREE RED BAL	100-125mm

ROOF SEAL KIT

TOP HAT ROOF KIT

For use with air conditioning, refrigeration and heat pump pipe work, electrical cables and solar hot water pipe work

Kit Contents:

- PVC Cap
- PVC Slotted Pipe
- Dektite
- Cable Tie
- Sealant
- Hex Head Screws
- Installation Instructions

PART NO.	DESCRIPTION	SIZE (mm)
THRK65	TOP HAT ROOF KIT	65
THRK110	TOP HAT ROOF KIT	110

ELEPHANT ROOF SEAL KIT

Kit Contents:

- Boot Seal
- 1M Rubber Sleeve
- Butyl Mastic Gasket Seal
- 2x Tube Clamps
- 4x Self Driving Screws
- Cut Template
- Installation Instructions

PART NO.	DESCRIPTION
ELEPHANT	ELEPHANT ROOF SEAL KIT

RAPID FLASH BASE

PART NO.	DESCRIPTION	SIZE (mm)
DRF101GB	370 X 560mm	PIPE 5-127mm

PVC

PIPES & JOINERS

PVC PIPE

PART NO.	SIZE (mm)
PVC15	15 - 3.9M
PVC20	20 - 3.9M
PVC25	25 - 3.9M
PVC40	40 - 3.9M
PVC100	100 - 6.0M
PVC100-3	100 - 3.0M

45° EQUAL ELBOW

PART NO.	SIZE (mm)	BAG QTY
PVC45E15	15	5
PVC45E20	20	5
PVC45E25	25	5
PVC45E40	40	5

EQUAL TEE

PART NO.	SIZE (mm)	BAG QTY
PVCT15	15	5
PVCT20	20	5
PVCT25	25	5

90° EQUAL ELBOW

PART NO.	SIZE (mm)	BAG QTY
PVC90E15	15	5
PVC90E20	20	5
PVC90E25	25	5
PVC90E40	40	5
PVC90E100	100	5

SOCKETS

DOUBLE END SOCKET

PART NO.	SIZE (mm)	BAG QTY
PVCS15	15	5
PVCS20	20	5
PVCS25	25	5

MALE VALVE SOCKET

PART NO.	SIZE (mm)	BAG QTY
PVCMI15	15	5
PVCMI20	20	5
PVCMI25	25	5

DRAIN PAN ADAPTOR

PART NO.	SIZE (mm)	BAG QTY
PVCDPF15	15	5

FEMALE FAUCET SOCKET

PART NO.	SIZE (mm)	BAG QTY
PVCFI25	25	5

REDUCING BUSH

PART NO.	SIZE (mm)	BAG QTY
PVCBUSH2520	25 - 20	5

REDUCING SOCKET

PART NO.	SIZE (mm)	BAG QTY
PVCR2015	20 - 15	5
PVCR2520	25 - 20	5

OTHER PRODUCTS

COWL

PART NO.	SIZE (mm)	QTY
PVCC100	100	1

SADDLE CLIPS

PART NO.	SIZE (mm)	BAG QTY
PVCCLIP15	15	100
PVCCLIP20	20	100
PVCCLIP25	25	100

PVC GLUE & PRIMER

- AS/NZS 3879, AS/NZS 4020 Approved

PART NO.	SIZE (ml)	COLOUR
PVCGB	500	BLUE
PVCGC	500	CLEAR
PVCPRIMER	500	RED

TOOLS

HVAC TOOLS

DV SERIES VAC PUMPS

- Suitable for A2L/R32 gas
- Gas ballast valve
- 2 stage direct drive to achieve deep
- 25 micron vacuum
- 1/4", 3/8" & 5/16" Access tee with brass caps
- 240V/50Hz - 5 meter lead
- Ergonomic handle and shock-proof base

Performance	DV50ER32	DV100ER32	DV150ER32
Voltage	240V/50Hz	240V/50Hz	240V/50Hz
Air Displacement	50 l/m	100 l/m	150 l/m
Ultimate Vacuum	25 microns	25 microns	25 microns
Power	190W	360W	560W
RPM	1440	1440	1440
Oil Capacity	300ml	450ml	590ml

DIGITAL VACUUM GAUGE

- Vacuum Reading Range - 100,000 to 10 microns
- Working Temperature - +0°C to 48.9°C
- Improved response time for instantaneous vacuum reading
- Allows for direct connection to the AC unit without a hose
- Audible and visual alarms when target vacuum level is achieved
- Measures in microns, PSIA, inHg, Pascals, Torr, mTorr & mBar

PART NO.	DESCRIPTION
DV24N	MANIFOLD GAUGE SET 5/16 HOSES R410a & R32

VACUUM GAUGE

- Suitable for R410A gas
- 5 feet charging hose
- 5/16" for Red and Blue, 1/4" SAE for yellow
- Working pressure 800/ Bursting pressure 4000 psi

PART NO.	DESCRIPTION
BD21465	MANIFOLD GAUGE SET 5/16 HOSES R410a & R32
BD23433	HOSE SET 36" - 1/4" - 5/16"
BD23435	HOSE SET 60" - 1/4" - 5/16"

MULTI SIZE EXPANDER KIT

- Soft copper, aluminum tubes & heat treated hard copper tube
- Expander heads - 1/4" , 3/8" , 1/2" , 5/8" , 3/4" , 7/8" , 1" , 1 1/8"
- Lightweight strong aluminum construction
- Colour coded sizes

PART NO.	DESCRIPTION
BD13800	TUBE EXPANDER KIT

MULTI SIZE TUBE BENDER

- Mandrel Sizes: ¼", 5/16", 3/8", ½", 5/8", ¾", 7/8"
- Tube Bender set comes in different sizes of Aluminium Bending Forms, and it is easy to assemble.
- Aluminium bending formers make it easy to remove the bent tubes without damaging the tool or the bent tubes.
- The reverse adapters enable the set to perform downward and upward bending.

PART NO.	DESCRIPTION
BD12999	ADJUSTABLE FROM 1/4" - 7/8"

QUICK ACTION TUBE BENDERS

PART NO.	SIZE (inch)
BD12106	3/8"
BD12108	1/2"
BD12110	5/8"
BD12112	3/4"

BENDING SPRINGS

PART NO.	SIZE (inch)
BS6	3/8" - 10" Length
BS8	1/2" - 10" Length
BS10	5/8" - 10" Length
BS12	3/4" - 10" Length

FLARING TOOL

- Lightweight strong aluminium - Titanium finish
- Quick and easy to use
- Comes complete with pipe locator to guarantee consistent flares

PART NO.	DESCRIPTION
BD14545	ECCENTRIC CONE FLARING TOOL 1/4” - 3/4”
BD15545	DRILL DRIVE FLARING TOOL 1/4” - 3/4”

TUBE CUTTERS

- Spring loaded
- Good size for most working conditions
- Easy to grip
- Smooth to turn
- Titanium coated cutter wheels
- Supplied with spare cutter wheel

PART NO.	DESCRIPTION
BD11166	1/8” - 7/8” TITANIUM TUBE CUTTER
BD11288	1/8” - 1 1/4” TITANIUM TUBE CUTTER
BD11382	1/8” - 1 5/8” TITANIUM TUBE CUTTER

RATCHET WRENCH

PART NO.	SIZE (inch)
T21127U	1/4” - 3/16” x 3/8” - 5/16”

DEBURRING TOOLS

PART NO.	DESCRIPTION
RT21655	DEBURRING TOOL
RT21660	DEBURRING TOOL (BLADE NON-REPLACEABLE)
RT11006	COPPER & STAINLESS STEEL REAMER TOOL 1/4” - 1 1/2” OD

HVAC ACCESSORIES

VETO TOOL BAGS

PART NO.	DESCRIPTION
TECHPAC1	BACKPACK LARGE BAG

PART NO.	DESCRIPTION
TECHMCT	MEDIUM TOOL BAG

PART NO.	DESCRIPTION
VETOMB2	TEST METER TOOL BAG

MAPP GAS TORCH

PART NO.	DESCRIPTION
PTV462	ZULCAN PRO BRAZING TORCH
SOLDER15	SILVER SOLDER BROWN TIP PER STICK

MAPP GAS BOTTLE

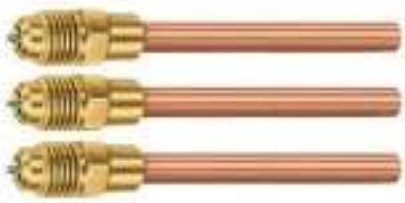
PART NO.	DESCRIPTION
MAPP	400g GAS BOTTLE

HVAC CONSUMABLES

SERVICE ACCESSORIES

PART NO.	DESCRIPTION
A31665	MALE ADAPTOR 1/4 FEMALE x 5/16 MALE R410a
A32525N	CORE REMOVER WITH PORT - 1/4”
A32530N	CORE REMOVER WITH PORT - 5-16”

SCHRADER VALVES



PART NO.	DESCRIPTION
A31004	1/4” FL SCHRADER x 1/4” ODS ACCESS VALVE

PART NO.	DESCRIPTION
412775	BLACK HAWK FOAM COIL CLEANER

PART NO.	DESCRIPTION
DV012	JB BLACK GOLD VAC PUMP OIL 946ml

PART NO.	DESCRIPTION
RT201B	GASKET THREAD SEALANT/ASSEMBLY

PART NO.	DESCRIPTION
416675	EVAP FRESH NO RINSE

PART NO.	DESCRIPTION
418224	CAL BLUE - 1 LITRE

PART NO.	DESCRIPTION
RT175B	BRUSH ON BLUE - 230ml

NOTES

AUSTRALIAN AIRCONDITIONING DISTRIBUTORS

CLAYTON (HEAD OFFICE)
1535 Centre Rd, Clayton, VIC 3168
Phone: 1300 223 223
Email: applications@aad.net.au

Application for commercial credit account (02/2020)

ABN: 43139947363

To AUSTRALIAN AIRCONDITIONING DISTRIBUTORS PTY LTD ACN 139 947 363 and each of its subsidiaries, divisions , affiliates, associated companies and related entities and any successors and assigns (AAD).

1. Customer

7 Day Account: ☐ 30 Day Account: ☐

Individual/Company/Trust Name: ABN:

Trading As: ACN:

Email: Ph:

Website Address: Mobile:

Business Address:

Address for Correspondences:

Type of Business: How Long Current Owner:

Customers related/subsidiary companies/partnerships:

Is the Customers Business Premises Leased: Yes ☐ No ☐ Date Business Commenced:

If the premises are leased; Provide Name, Address of Landlord & Landlord's agent:

Nominated Branch: Nominated Salesperson: (if known)

2. Application

The Customer applies for a credit account and agrees that the Terms and Conditions (attached) will govern all dealings the Customer has with AAD

3. Credit Limit Requested: $ **4.** Expected Monthly Purchases: $

5. Accounts Payable Contact Name: Ph:

Email: Fax:

6. Partner / Sole Trader / Director Details

Names of Directors (if a company)
Names of Partners / Sole Traders /
Name of Trustee

Residential Address	DOB	Phone No.

7. Trusts

Is the customer involved or associated in any way with a Trust (e.g Family Trust or Unit Trust) ?

Yes ☐ No ☐

8. Insolvency

Has the customer or any of its directors or partners been insolvent or involved in any way with an insolvent (liquidation, receiver, administrator, bankruptcy or Part X etc.) ?

Yes ☐ No ☐

9. Franchises

Is the customer involved or associated in any way with any franchise, whether as franchisor, franchisee, licensee or otherwise ?

Yes ☐ No ☐

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AUSTRALIAN AIRCONDITIONING DISTRIBUTORS

ONE STOP, HVAC SHOP!

10. Financial Details

Bank	Branch	Phone No.

11. Trade References Please provide a minimum of three trade references

Company Name	Contact Person	Phone No.

Office Use Only

Credit Terms Authorised:

Terms & Conditions

12. MEANS AND ABILITY TO PAY

The Customer warrants that it is solvent and has the future ability to pay all of its debts as when they fall due.

13. ACCEPTANCE

AAD will be deemed to have accepted this Application if it allows the Customer to trade with it on credit with any division or part of AAD. The Customer agrees that AAD may refuse to trade with it on credit for any reason whatsoever or withdraw the credit accommodation at any time.

14. OTHER DIVISIONS

The Customer agrees that this Application relates to all dealings with AAD and any part or member of the AAD group.

15. PURPOSE

The Customer declares and warrants that any credit will be used wholly or predominantly for commercial, business and/or investment purposes (or both) and not for the Customer's personal, domestic or household purposes.

IMPORTANT

Personal Consumers: You should not sign this application (which includes the declarations and warranties in this part 15) unless credit is wholly or predominantly for business or investment purposes. No credit shall be provided to Personal Consumers.

16. INACTIVE ACCOUNTS

If a Customer has not used a credit facility for 12 months, a new application for Commercial Credit Account may be required to be completed and submitted, but this will be in addition to (and will not derogate from nor affect) any obligation of the Customer or any Guarantor which arose under any preceding Application for Commercial Credit Account.

17. CREDIT INFORMATION and PRIVACY ACT 1988 (Cth)

The Customer and Guarantor irrevocably authorise AAD, its servants and agents to make such enquiries as they deem necessary to investigate the credit worthiness of the Customer and Guarantor, and its directors from time to time, including the making of the enquiries with persons nominated as trade references, the bankers of the Customer and Guarantor any credit provider or Credit Reporting Agency and including personal credit and consumer credit information and Land Data/property inquires and name searches (hereinafter called "the Sources"). The Customer and Guarantor hereby authorise the Sources that such sources are allowed to give or receive pursuant to the Privacy Act 1988 (Cth) and Privacy Amendment Act 2012. To disclose to AAD such information concerning the Customer and Guarantor which is within their possession. The Customer and Guarantor agree that the information provided on this Application for Commercial Credit Application concerning the Customer and Guarantor and any relevant trading information arising from any dealings between the Customer and AAD may be disclosed to a Credit Report Agency or any other interested person, subject to AAD's Privacy Policy and can be obtained from the company secretary, AAD at 57 McNaughton Road, Clayton, Victoria, 3168. The Customer and Guarantor authorises AAD to retain any information discovered under this clause. The Customer and Guarantor acknowledges that AAD may be required to disclose the credit information to third Parties and hereby consents for AAD to do so.

18. PERSONAL PROPERTIES AND SECURITIES ACT 2009 (Cth)(PPSA)

The Customer and Guarantor acknowledges that this application for credit constitutes an act giving rise to a Security Agreement within the meaning of the PPSA and causes the Customer and Guarantor to grant to AAD Security Interests.

19. GUARANTEE

(a) In consideration for the supply of the Goods to the Customer and at the request of AAD, the Customer agreed to appoint:
(i) Where a company, the Customer's duly appointed directors, whether past, present or future; or
(ii) Where an individual sole trader, the Customer acting in his personal capacity,as Guarantor/s.
(b) Each Guarantor, and where more than one, jointly and severally, unconditionally and irrevocably guarantees:
(i) The punctual payment of all Amounts Payable (including interest and damages) by the Customer to AAD, in connection with the supply of Goods to the Customer or any transaction contemplated by this Application for Commercial Credit and the Terms and Conditions, whether present or future, actual or contingent or incurred alone, jointly and/or severally, and without regard to the capacity in which the Customer is liable ("Guaranteed Moneys");

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(ii) The due observance and performance by the Customer of all its duties and obligations contained or implied in this Application for Commercial Credit and the Terms and Conditions ("Guaranteed Obligations").

(c) In the event the Customer fails to make due and punctual payment or performance of the Guaranteed Moneys or Guaranteed Obligations (respectively), AAD may demand (in writing) that the Guarantor carries out the relevant obligation in lieu of the Customer. The Guarantor must comply with such written demand immediately, failing which AAD may enforce its rights and remedies, personally against the Guarantor, regardless of whether it may have recourse against the Customer or whether AAD elects to take action against the Customer.

(d) Without prejudice to any other rights or remedies available to AAD, the Guarantor grants security for its duties and obligations under this clause 20 by way of charge pursuant to clause 21.

(e) In undersigning this document, the Guarantor acknowledges:
(i) AAD is providing supply to the Customer in reliance on this guarantee;
(ii) The Guarantor expects to derive a direct or indirect commercial benefit from providing this guarantee;
(iii) It has sought, or had the opportunity to seek, independent legal advice with respect to the nature and extent of its duties and obligations as Guarantor under this Application for Commercial Credit and the Terms and Conditions; and
(iv) It provides this guarantee free from any influence, duress or undue pressure from any other third parties.

20. PROPERTY & RISK - RETENTION OF TITLE
(a) Property in and ownership of the Goods does not pass to the Customer until AAD has received payment in full of all monies owing to AAD by the customer on all accounts.

(b) The risk of loss or damage to the Goods shall pass to the Customer upon delivery to the Customer or upon collection of the Goods by the Customer or the Customer's agent or courier (as the case may be).

(c) If the Customer fails to pay for any Goods within the period of credit extended by the Supplier to the Customer, AAD may recover possession of all Goods (in which property has remained with AAD) at any site owned, possessed or controlled by the Customer and the Customers agrees that AAD has an irrevocable licence to do so without incurring any liability to the Customer or any person claiming through the Customer.

21. SECURITY
(a) The Customer and Guarantor/s acknowledge that Application for Commercial Credit Account and the Terms and Conditions constitute a security agreements and that AAD may register a financing statement in respect of the security interests provided herein.

(b) Without prejudice to any other provision contained herein, the Customer and the Guarantor grants by way of charge in favour of AAD all of its interest in the Customer's and Guarantor's present and after-acquired real property to secure the performance of the Customer's obligations under the Contract, including payment of the Amount Payable.

(c) The Customer and/or Guarantor acknowledges that AAD have:
(i) A caveatable interest in any real property of the Guarantor and hereby provides its consent for AAD to lodge a caveat over that property. Upon demand by AAD, the Guarantor agrees to immediately execute a mortgage on terms satisfactory to AAD to more particularly describe the security interest conferred by this clause;
(ii) A registrable security interest (as defined under the Personal Property Securities Act 2009 (Cth)) in all present and after-acquired personal property of the Guarantor and hereby consents for AAD to register a security interest over that property.

(d) Upon demand, the Customer and/or Guarantor agrees to immediately execute a mortgage on terms satisfactory to AAD to more particularly describe the security interest conferred by this clause 21. Should the Customer and/or Guarantor fail within a reasonable time of such demand to execute that mortgage, then the Customer and/or Guarantor irrevocably appoints AAD as its attorney with authority to do on its behalf anything that it may lawfully authorise an attorney to do including, without limitation, to make, sign, execute, seal and deliver any document and to take possession of, use, sell or otherwise dispose of any real property of the Customer and/or Guarantor, to the extent of the Amount Payable.

The guarantee contained under this clause 20 is continuing and will survive any rightful termination of the Application for Commercial Credit Account, the Terms and Conditions or associated Contract.

In This Document

(a) "Amount Payable" means, at any time, all amounts payable by the Customer to AAD at that time (whether or not those amounts have become due for payment under this Application for Commercial Credit and he Terms and Conditions) in connection with the Goods or the Contract (including, without limitation, any invoiced amount, interest, indemnity sums, costs or expenses);

(b) "Contract" means the Terms and Conditions and, for an Order, the relevant Order Acknowledgment;

(c) "Customer" means the customer specified in this Application for Commercial Credit;

(d) "Guarantor" means persons named as Guarantor under the Application for Commercial Credit;

(e) "PPSA" means Personal Property Securities Act 2009 (Cth);

(f) The terms "financing statement", "proceeds", "purchase money security interest", "security agreement", "security interest" and "verification statement" have the respective meanings given to them under, or in the context of, the PPSA;

(g) Unless otherwise stated, an expression used or defined in the Corporations Act 2001 (Cth) has the same meaning in the Application for Commercial Credit and the Terms and Conditions;

(h) Words indicating the singular include the plural and vice versa.

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22. Customer (Directors Guarantee)

If a corporation, at least two (2) of the current directors must sign. If an individual/sole trader, the principal must sign and have his/her signature witnessed by an independent adult witness. Please Note, AAD/HVAC staff can not witness this form. *Cross out whichever description does not apply

Full Name:		Full Name:	
(Director / Partner / Sole Trader)		(Director / Witness)	
Address:		Address:	
Phone No:		Phone No:	
Signature:		Signature:	
Date:		Date:	

The CUSTOMER Hereby Presents and Warrants

That the information set out in this application is true and correct, it has read the information, including the Terms and Conditions and understands its duties and obligations and signs this application form free from any influence or undue pressure or duress. The Customer has sought or been provided the opportunity to seek independent legal advice as to the extent and nature of its duties and obligations and **ACKNOWLEDGES** that AAD will rely upon such representations and warranties to grant credit and/or to deal with the Customer.

23. Guarantors (Personal Guarantee)

If a corporation, at least two (2) of the current directors must sign. If an individual/sole trader, the principal must sign and have his/her signature witnessed by an independent adult witness. Please Note, AAD/HVAC staff can not witness this form. *Cross out whichever description does not apply

Full Name:		Full Name:	
(Director / Partner / Sole Trader)		(Director / Witness)	
Address:		Address:	
Phone No:		Phone No:	
Signature:		Signature:	
Date:		Date:	

The GUARANTOR Hereby Presents and Warrants

That the information set out in this Application is true and correct, it has read the information contained in this Application for Commercial Credit **(and specifically clauses 17-20**) and including the Terms and Conditions and understands its duties and obligations and signs this application form free from any influence or undue pressure or duress. The Guarantor has sought or been provided the opportunity to seek independent legal advice as to the extent and nature of its duties and obligations and **ACKNOWLEDGES** that AAD will rely upon such representations and warranties as set out in this Application for Commercial Credit and the Terms and Conditions.

Office Use Only

Nominated Branch:		Credit Limit:	
Branch Manager:		Approved By:	
Business Development Manager:		Date:	

AAD CREDIT APPLICATIONS ARE TO BE EMAILED TO: applications@aad.net.au

TERMS & CONDITIONS OF SALE

To the fullest extent legally possible, all dealings between AUSTRALIAN AIRCONDITIONING DISTRIBUTORS PTY LTD ACN 139 947 363 (and each of its subsidiaries, divisions, affiliates, associates and related body corporates) ("AAD") and any Customers relating to any Goods or services are subject to the following Terms and Conditions unless otherwise agreed in writing:

In this document:

(a) "Amount Payable" means, at any time, all amounts payable by the Customer to AAD at that time (whether or not those amounts have become due for payment under the Terms and Conditions) in connection with the Goods or the Contract (Including, without limitation, any invoiced amount, interest, indemnity sums, costs or expenses);

(b) Contract" means the Terms and Conditions and, for an Order, the relevant Order Acknowledgment;

(c) Customer" means the customer specified in an application for commercial credit (or if there is no application, the person placing the Order, or on whose behalf the Order is placed, with AAD);

(d) Guarantor" means persons named as Guarantor under the application for commercial credit;

(e) "PPSA" means Personal Property Securities Act 2009 (Cth);

(f) The terms "financing statement","proceeds","purchase money security interest","security agreement","security interest" and"verification statement" have the respective meanings given to them under, or in the context of, the PPSA;

(g) Unless otherwise stated, an expression used or defined in the Corporations Act 2001 (Cth) has the same meaning in the Terms and Conditions;

(h) Words indicating the singular Include the plural and vice versa.

1. Orders, Acceptance and Terms and Condition

(a) An order or an offer to purchase of Goods must be made by the Customer in writing ("Order") and will be deemed accepted when the Customer receives an acknowledgement of the Order from AAD or the delivery of the relevant Goods, whichever first occurs ("Order Acknowledgement"). In submitting an Order to AAD constitutes deemed acceptance of these Terms and Conditions by the Customer.

(b) In submitting the Order, the Customer hereby represents and warrants that it is (and will continue to be at all times while the Terms and Conditions are applicable) solvent and able to pay all of its debts as and when they fall due and payable.

(c) AAD may in its absolute discretion request that a deposit is paid as part payment of the Order on such terms and in such amounts as it deems reasonable.

(d) The Terms and Conditions shall continue to apply unless otherwise agreed in writing or unless the commercial relationship between the parties is validly terminated indefinitely.

(e) The Customer must supply full and complete technical specifications, drawings, designs and any other information relevant to their purchase, in conjunction with the Order. The Customer acknowledges that AAD may rely on such information in supplying the Customer the Goods and will further indemnify AAD in respect of its reliance on such information.

(f) In the event an Order is cancelled by the Customer, the Customer must pay all reasonable costs Incurred by AAD in processing the Order prior to cancellation.

2. Quotations

(a) All Quotations must be made to the Customer in writing and will expire in 28 days from the date of the Quotation. Quotations will not be construed as an obligation to sell but merely an invitation to treat and no contractual relationship will arise until there is an Order Acknowledgement of the Customer's Order.

(b) AAD is at liberty to amend, vary or withdraw a Quotation by written notice to the Customer, regardless of whether an Order has already been placed, at any time and for any reason it sees fit Including where AAD believes that there has been material changes in the Customer's business or circumstances under which the Quotation was first offered.

(c) To secure a Quotation pending placement of an Order, the Customer may be required to pay a deposit and any reasonable costs Incurred by AAD in holding the Goods with respect to the Quotation. However, payment of the deposit is not deemed acceptance of the Quotation.

(d) Unless otherwise made known to the public, all Quotations are strictly confidential and the Customer must not disclose the details of the Quotations to a third party, without prior written consent from AAD.

3. Purchase Price

(a) Unless where a Quotation has been accepted providing a specified purchase price, the purchase price for Goods supplied and charge rate for services rendered will be at AAD's list price ruling as at the nominated date of delivery.

(b) All prices are expressed net of any applicable goods and services tax, value added tax, freight charges and customs duty that shall be added to the amount to be paid by the Customer unless otherwise agreed.

(c) Prices are subject to change without notice and are not binding on AAD. Upon alteration of the price, the Customer may cancel any Order (or part thereof) at the new price within 5 days of AAD providing notice of the change of price.

4. Payment

(a) For so long as AAD has agreed to provide credit to the Customer under the Terms and Conditions and provided that such credit has not been otherwise withdrawn, refused or suspended, payment for the Goods must be made in full (without any set-off, deduction or reduction) and be received by AAD within 30 calendar days from the date of the Sales Invoice.

(b) Where any part of the Sales Invoice is in dispute, the balance will remain payable and must paid when due.

(c) Upon payment AAD may apply such payment to any Amounts Payable in such a manner or priority as AAD deems reasonable and further AAD reserves its right to set off any amount due and payable by AAD to the Customer against any amount due and payable by the Customer to AAD.

(d) Any failure to make due and punctual payment of the Sales Invoice will be deemed a material default and which entitles AAD to terminate any Contract or suspend any further supply of deliveries.

5. Interest

Interest is payable on any Amount Payable not paid on or before the due date at a rate of 3% p.a. above the rate prescribed under the Penalty Interest Rates Act 1983 (Vic), calculated daily and payable on demand, plus an additional monthly administration fee of $25 per month.

6. Credit

(a) Any agreement by AAD to grant the Customer credit upon the Terms and Conditions has been or will be made on the basis of a credit application and such other documents and information as may be required by AAD and are provided to its reasonable satisfaction.

(b) If AAD exercises its powers to withdraw, refuse or suspend credit under clauses 6(c) or 14(b) or otherwise under the Terms and Conditions, AAD will only supply Goods to the Customer on the basis of cash in advance.

(c) The granting of credit does not oblige AAD to extend any particular amount of credit to the Customer and AAD may withdraw, refuse, suspend or limit credit to the Customer at any time, in its absolute discretion, without notice or providing any reason.

(d) The Customer must notify AAD in writing if there is any change in the shareholding or ownership of the Customer or any material change in the Customer's financial position.

7. Delivery

(a) If requested by the Customer, and agreed by AAD, AAD will arrange delivery of the Goods to an address specified by the Customer, at the Customer's sole cost and expense.

(b) In such cases, the Customer (or a representative of the Customer) must be present at the agreed place and time for delivery and must sign the delivery docket as acknowledgement that the Goods (and the quantities so described therein) have been delivered and comply with the Order.

(c) AAD's responsibility for delivery shall cease at the delivery address at which point the risk in the Goods will pass to the Customer. Either a certificate purporting delivery was effected signed by a representative of AAD or a signed delivery docket (or both) will be deemed conclusive evidence of delivery.

(d) If a Customer arranges for its own delivery, then the risk will pass when the Goods are loaded onto the Customer's nominated delivery vehicle and the Customer acknowledges that it will be solely responsible to arrange insurance in respect of the Goods.

(e) AAD shall not be liable for:

(i) any failure to deliver or delay in delivery for any reason; or

(ii) any damage or loss due to unloading or unpacking; or

(iii) damage or injury to person or property caused upon entering premises to deliver the Goods. Any costs Incurred by AAD due to a failure by the Customer to accept the Goods at the time of delivery will be reimbursed by the Customer to AAD.

(f) AAD may deliver in instalments where all such instalments will be separately invoiced and must be paid without regard to the delivery of the subsequent instalments. A partial delivery of an Order will not invalidate the balance of the Order.

(g) AAD will use all reasonable endeavours to meet agreed delivery dates (which may be varied by mutual agreement between the parties in writing), however AAD will not be liable to the Customer for any direct, indirect or consequential loss or damage should it be delayed or prevented from delivering Goods or supplying services due to any circumstances beyond AAD's control: Time is not of the essence in relation to delivery.

(h) Subject to clause 7(f), where the date of delivery is postponed, the Goods in respect of the Order will be stored at the Customer's risk and AAD reserves its right to impose a weekly storage charge plus a loading charge of 10% of the total Contract price.

(i) Where the date of delivery is postponed for more than 2 months, AAD may (i) Increase any fixed contract prices to reflect AAD's current list price; (ii) deem delivery is frustrated and sell any such Goods still in its possession; or (iii) seek damages for any loss incurred by AAD as a result of the deferment in the delivery date.

8. Title and related matters

(a) The legal and equitable ownership and title to the Goods shall not pass to the Customer until AAD receives full payment for the Goods from the Customer. Risk in the Goods passes to the Customer upon delivery or upon title in the Goods passing to the Customer (whichever is earlier).

(b) Until full payment has been received, the Customer acknowledges that it holds the Goods as bailee for AAD and a fiduciary relationship between the Customer and AAD exists.

(c) Subject to clause 8(d), the Customer must:

(i) keep the Goods separate and in good condition as a fiduciary of AAD, clearly showing AAD's ownership of the Goods;

(ii) keep accurate books and record recording AAD's ownership of the goods and the Customer's sale or permitted disposal of the Goods; and

(iii) if required by AAD, deliver the Goods up to AAD.

(d) The Customer may sell the Goods, install or affix the Goods to other goods or property ("Accession") or otherwise dispose of the Goods in the ordinary course of its normal business, provided that the Customer holds the proceeds of sale on trust for AAD to the extent of the Amount Payable. The Customer must hold such proceeds separate on trust for AAD and not mix those proceeds with any other monies.

(e) The Customer grants to AAD a security interest in the Goods to secure payment of the Amount Payable, where the security interest extends to and continues in all proceeds and/or Accessions; and is a purchase money security interest to the extent that it secures payment of that part of the Amount Payable being the aggregate unpaid purchase price of the Goods supplied to the Customer.

(f) The Customer must not do or permit anything to be done that may result in the purchase money security interest granted to AAD ranking in priority behind any other security interest.

(g) The Customer:

(i) waives the right under section 157 of the PPSA to receive a copy of the verification statement verifying registration of a financing statement or a financing change statement relating to a security interest created under the Contract; and

(ii) contracts out of its rights to receive any other notice or statement under any other provision of the PPSA (Including for the avoidance of doubt, any of the provisions specified in paragraph (b)).

(h) To the fullest extent permitted by the PPSA, the parties agree to contract out of sections 95, 117, 118, 120, 121(4), 125, the second sentence of section 126(2), sections 129(2), 129(3), 130, 132(3)(d), 132(4), 135, 142 and 143, which sections (or parts of sections) shall not apply.

(i) This clause 8 applies notwithstanding any arrangement under which AAD provides credit to the Customer.

9. Guarantee

(a) In consideration for the supply of the Goods to the Customer and at the request of AAD, the Customer agrees to appoint:

(i) where a company, the Customer's duly appointed directors, whether past, present or future; or

(ii) where an individual sole trader, the Customer acting in his personal capacity, as Guarantors under these Terms and Conditions.

(b) The Guarantor, and where more than one, jointly and severally, unconditionally and irrevocably guarantees:

(i) the punctual payment of the Amounts Payable (Including interest and damages), in connection with the supply of Goods to the Customer or any transaction contemplated by the Terms and Conditions, whether present or future, actual or contingent or Incurred alone, jointly and/or severally, and without regard to the capacity in which the Customer is liable (Guaranteed Moneys"); and

(ii) the due observance and performance by the Customer of all its duties and obligations contained or implied in the Terms and Conditions (Guaranteed Obligations").

(c) In the event the Customer fails to make due and punctual payment or performance of the Guaranteed Moneys or Guaranteed Obligations (respectively), AAD demand (in writing) that the Guarantor carries out the relevant obligation in lieu of the Customer. The Guarantor must comply with such written demand immediately, failing which AAD may enforce its rights and remedies, personally against the Guarantor, regardless of whether it may have recourse against the Customer.

(d) Without prejudice to any other rights or remedies available to AAD, the Guarantor grants security for its duties and obligations under this clause 9 by way of charge pursuant to clause 10.

(e) In undersigning the Terms and Conditions, the Guarantor acknowledges that:

(i) AAD is providing supply to the Customer in reliance on this guarantee;

(ii) the Guarantor expects to derive a direct or indirect commercial benefit from providing this guarantee;

(iii) it has sought, or had the opportunity to seek, independent legal advice with respect to the nature and extent of its duties and obligations as Guarantor under these Terms and Conditions; and

(iv) it provides this guarantee free from any influence, duress or undue pressure from any other third parties.

(f) The guarantee contained under this clause 9 is continuing and will survive any rightful termination of these Terms and Conditions or associated Contract.

10. Security

(a) The Customer acknowledge that the Terms and Conditions constitute a security agreements and that AAD may register a financing statement in respect of the security interests provided herein.

(b) Without prejudice to any other provision contained herein, the Customer and the Guarantor grants by way of charge in favour of AAD all of its interest in the Customer's and Guarantor's present and after-acquired real property to secure the performance of the Customer's obligations under the Contract, Including payment of the Amount Payable.

(c) The Customer and/or Guarantor acknowledges that AAD have:

(i) a caveatable interest in any real property of the Guarantor and hereby provides its consent for AAD to lodge a caveat over that property. Upon demand by AAD, the Guarantor agrees to immediately execute a mortgage on terms satisfactory to AAD to more particularly describe the security interest conferred by this clause;

(ii) a registrable security interest (as defined under the Personal Property Securities Act 2009 (Cth)) in all present and after-acquired personal property of the Guarantor and hereby consents for AAD to register a security interest over that property.

(d) Upon demand, the Customer and/or Guarantor agrees to immediately execute a mortgage on terms satisfactory to AAD to more particularly describe the security interest conferred by this clause 10. Should the Customer and/or Guarantor fail within a reasonable time of such demand to execute that mortgage, then the Customer and/or Guarantor irrevocably appoints AAD as its attorney with authority to do on its behalf any thing that it may lawfully authorise an attorney to do Including, without limitation, to make, sign, execute, seal and deliver any document and to take possession of, use, sell or otherwise dispose of any real property of the Customer, to the extent of the Amount Payable.

11. Installation

AAD's Sale Invoice is made on a supply only basis. Installation and commissioning (if any) is at the expense of the Customer unless otherwise specified in writing by AAD.

12. Dimensions, Performance Data and Product Descriptions

(a) Any and all photographs, drawings, illustrations, specifications and any other particulars accompanying associated or given with a Quotation or Order ("Product Specifications"), is for illustrative purposes only and may be subject to alteration without notice.

(b) If the Customer receives any confidential information from AAD, Including but not limited to the Quotations or the Product Specification, the Customer may not use or disclose such information unless it receives the prior written consent of AAD, such information enters the public domain (other than as a result of a breach of this clause) or the use or disclosure is required by law. Upon termination of the AAD's relationship with the Customer, all confidential information must be returned to AAD (or erased where applicable) on demand.

13. Claims and Returns

(a) All complaints, requests for return of goods, claims, or notification of lost, Incomplete, damaged, defective or non-compliant goods must be submitted by the Customer to AAD in writing within 5 days of the date of delivery of the Goods. Otherwise, the Customer shall be deemed to have accepted the Goods and shall not refuse to pay for the Goods on the basis that they were lost, incomplete, damaged, defective or do not comply with the Customer's Order.

(b) While AAD will use all reasonable endeavors to deliver goods as specified in the Order, Customer acknowledges and agrees that it is the Customer's sole responsibility to ensure that goods delivered align with the Order. AAD is not liable to Customer or any end user for any goods purchased and or subsequently installed that are different to that specified in original Order.

(c) AAD will not accept the return of goods unless the following conditions are satisfied:

(i) AAD's written approval has first been obtained;

(ii) the goods are returned within 7 days of the issue of AAD's approval;

(iii) a copy of the relevant invoice is enclosed with the returned goods;

(iv) the goods are returned in merchantable quality (as determined solely by AAD) with the original packaging and without damage or marks to the original packaging;

(v) the Customer pays shipping costs for the return of goods to a warehouse or other premises nominated by AAD; and

(vi) the Customer pays to AAD a handling charge equal to 15% of the Purchase Price paid for the Goods.

(d) Unauthorised returns will not be accepted. The Customer will be responsible for all damage Incurred during return shipment.

(e) The Customer shall not deduct the amount or any anticipated credit from any payment due to AAD.

14. Default

(a) A party will be in Default if:

(i) it breaches a term of the Contract and such breach is not remedied within 14 days of receiving notice from the other party requiring it to do so, unless such breach arises out of the supply of defective Goods, in which case AAD shall remedy the breach within such time as is reasonable in the circumstances;

(ii) it becomes an externally-administered body corporate or has an application for winding up filed against it, or alternatively, it commits an act of bankruptcy or becomes an insolvent under administration;

(iii) in the case of the Customer, payment for the Goods has not been received by the due date of payment;

(iv) in the case of the Customer, any representation or warranty made by it in or in connection with the Contract, or any information provided by it to AAD in or in connection with the Quotation, Order or Contract, is incorrect, misleading or deceptive (whether by omission or otherwise) in any material respect; or

(v) in the case of the Customer, AAD forms the opinion in its absolute discretion that the Customer's creditworthiness or credit standing alters from that indicated at the time of making the Order.

(b) If a party Defaults, the other party may:

(i) treat an Order Acknowledgement or the whole of the Contract as repudiated and sue for breach of contract; and/or

(ii) being AAD, charge Interest pursuant to clause 5 on any unpaid and outstanding Amounts Payable;

(iii) being AAD, refuse to supply any Goods to the Customer on credit or at all;

(iv) being AAD, claim the return of any Goods in the Customer's possession where title has not passed to the Customer or exercise any other right or remedy available to it under the Contract, the PPSA or any other applicable law, Including to enforce the security interests created by the Contract;

(v) being AAD, by notice to the Customer declare all monies owing by the Customer to AAD on any account immediately due and payable (Including the Amount Payable);

(vi) enter (at any time) any premises in which AAD's goods are stored, to enable AAD to reclaim possession of the goods without liability for the tort of trespass, negligence or payment of any compensation to the Customer or any Receiver Manager or Administrator appointed over all or any part of its assets. For the avoidance of doubt, title in the goods immediately re-vest in AAD upon AAD asserting its right of entry under this clause 14(b)(vi);

(vii) institute any recovery process as AAD in its discretion decides, at the Customer's cost and expense (full indemnity basis).

(c) The rights, powers and remedies available to AAD under these Terms and Conditions are in addition to and are not in derogation to AAD's powers, rights and remedies existing at common law, or given by any law at any time in force (Including but not limited to the Building and Construction Industry Security of Payment Act 2002 (Vic)).

(d) The Customer hereby irrevocably appoints all and any of AAD's officers, company secretary, accounts manager or legal personal representative engaged by AAD as AAD's lawful attorney for the purposes of doing all such acts and things and executing all such documents necessary to enable AAD to do any or all of the above things contained in this clause.

15. Alteration to Terms and Conditions

AAD may amend or vary these terms and conditions at any time by written notice to the Customer's place of business or by posting an amended copy on AAD's website www.AAD.net.au and that the Customer will be bound by any such amendments.

16. Warranties as to Supply

(a) AAD reserves the right to suspend or discontinue supply of Goods to the Customer at any time for any reason without liability or penalty.

(b) AAD has continuing discretion to allocate available stock and gives no warranty as to certainty of supply.

(c) In the event of a product Recall ("Recall"), the Customer must give AAD such assistance as AAD reasonably requires in relation to that Recall:

17. Representations and Fitness for Purpose

(a) Except as expressly provided to the contrary in the Contract, all representations, warranties, guarantees and implied terms or conditions in relation to the Goods (whether implied or otherwise) are hereby excluded to the maximum extent permitted by law.

(b) The Customer agrees that if it is aware (or should be aware) that the Goods, the subject of an Order, are for a particular purpose (Including, but not limited to, use as a component part of another product) or are required to possess special or uniform characteristics, the Customer will clearly specify that purpose or those characteristics in any such Order.

(c) The Customer agrees that, unless expressly agreed by AAD in writing, it has made its own enquiries in relation to the suitability of the Goods and does not rely on representations by AAD in relation to their suitability for a particular purpose or any steps which may need to be taken in relation to their use.

18. Limitation of Liability

(a) AAD's liability to the Customer (and any party claiming through the Customer against AAD) for any claim for loss or damages (Including legal expenses) made in connection with the Contract (Including the supply of Goods described in the Contract) whether in contract, tort (Including negligence), under statute, in equity or otherwise shall be strictly limited as follows (except to the extent that the law prohibits such a limitation):

(i) for any liability arising from Goods not meeting the specification or which are said to be otherwise defective or deficient, AAD's liability is limited to the cost of replacement of those Goods as soon as reasonably practicable, or the repair of those Goods or the repayment (or allowance) of the invoice price of those Goods (at the option of AAD);

(ii) for any liability arising from the services forming part of the Goods not meeting the scope or which are said to be otherwise defective or deficient, AAD's liability is limited to the provision of the services again or payment of the cost of having the relevant services provided (at the option of AAD);

(iii) for any other liability, AAD's liability for any loss or damage arising from or caused in any way by AAD, the Goods it supplies or the Contract is excluded (to the maximum extent permitted by law).

(b) AAD shall not be liable, to the maximum extent permitted by law, for any indirect, special or consequential loss or damage or injury of any nature whether in contract, tort or otherwise whatsoever resulting from or caused in any way by the Goods it supplies, even if due to the negligence of AAD or any of its employees or agents. Here,"indirect, special or consequential loss or damage" INCLUDES: (A) any loss of income, profit, production, contract, customers, business opportunity or business; (B) any loss of goodwill or reputation; (C) any loss of value of intellectual property; (D) any loss or damage resulting from the loss or damage to goods other than the Goods.

(c) Despite any other provision of the Contract, AAD is not liable, to the maximum extent permitted by law, for:

(i) the cost of removal of Goods not meeting the specification or which are said to be otherwise defective or deficient, whether installed or otherwise;

(ii) the cost of installation of replacements for Goods not meeting the specification or which are said to be otherwise defective or deficient; and

(iii) defects or deficiencies in Goods caused by improper storage, installation or maintenance of Goods or normal wear and tear damage.

19. Manufacturer's Warranty

(a) The Customer agrees that AAD is not the manufacturer of any Goods and AAD shall not be liable to any party as a manufacturer.

(b) Goods are sold subject to any manufacturer's trading terms and conditions and are covered (if at all) by any manufacturer's warranty applicable thereto. All warranty claims are to be made by the Customer directly to the manufacturer.

(c) If AAD is deemed to be a manufacturer of any Goods in any circumstances, the Customer will fully indemnify AAD against any liability loss or cost associated with or arising as a result of such deeming:

20. Force Majeure

AAD is not liable for failure to perform its obligations under the Contract to the extent and for so long as its performance is prevented or delayed without substantial fault or negligence by AAD because of circumstances outside AAD's control or failure of a supplier to AAD, provided that AAD gives notice to the Customer of the delay and uses reasonable efforts to remedy the cause of the delay quickly.

21. Entire Agreement

(a) The Contract constitutes the entire agreement between AAD and the Customer with respect to any Order. All prior negotiations, proposals, previous dealings, correspondence, trade customs and/or trade usage are superseded by and will not affect the interpretation of the Contract.

(b) In the event of supply, the Customer refers to or submit or otherwise uses terms and conditions other than the Terms and Conditions, these terms and conditions will not form part of or be incorporated into the Order or Contract, unless otherwise expressly accepted.

22. Costs and Expenses

The Customer must pay AAD all costs and expenses Incurred by AAD in connection with the Contract Including legal expenses (on a full indemnity basis), stamp duty (Including fines and penalties) and costs Incurred or payable by AAD in connection with registering, maintaining or releasing any security interest, charge, mortgage or caveat in connection with the Contract, or the recovery of the Amount Payable or in otherwise enforcing AAD's rights against the Customer under the Contract. The costs of registering any PPSA financing statement will be paid by the Customer and may be invoiced or debited against the Customer's credit account.

23. Assignment or Sub-Contracting

(a) AAD may assign or sub-contract its rights or novate its rights and obligations under the Contract (in whole or in part) to any person without the consent of the Customer.

(b) The Customer must not assign or otherwise transfer its rights under the Contract without prior notice to and consent from AAD.

24. Governing Law

(a) The Contract is governed by, and the Customer submits to the law of the State of Victoria, Australia. The courts of that State have non-exclusive jurisdiction in connection with the Contract.

(b) The Sale of Goods (Vienna Convention) Act 1987 (Vic) (and any similar legislation relating to the Vienna Convention in other States or Territories) does not apply to the Contract.

25. Waiver

Except as expressly set out in the Terms and Conditions, a party waives a right under the Contract only by written notice that it waives that right. A waiver is limited to the specific instance to which it relates and to the specific purpose for which it is given.

26. Notices

Notices must be in writing and by mail, email or facsimile transmission. The Customer must promptly notify AAD in writing of any change to its registered address or other contact details provided to AAD.

27. Discretion

Any and all discretions to be made in respect of these Terms and Condition must be made by such parties acting reasonably in view of the prevailing circumstances at the time.

28. Time

Unless otherwise expressed, time is of the essence in relation to the performance of the duties and obligations contained in the Terms and Conditions.

29. Severance

The invalidity or unenforceability of any provision of these Terms and Conditions shall not affect the validity or enforceability of the remaining provisions.

30. Assurances

These Terms and Conditions bind the Customer, the Guarantors and their respective successors and assigns.

All care has been taken to ensure part numbers, descriptions & technical accuracy are correct at time of print.
Errors exist and manufacturers continual product development may result in changes to specifications.

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