

ADRAD the Fridge

Spring 2020



KOYOAIR

EXCLUSIVE TO ADRAD

NATIONAL 2 YEAR WARRANTY

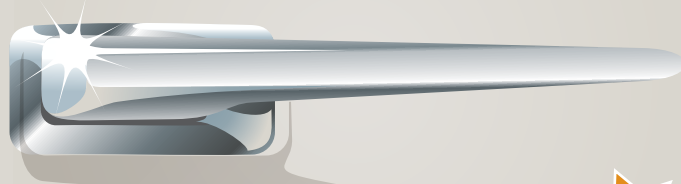
TAX OFFER DEALS
SEE PG 4

Spend \$500 on A/C parts & get a free Bionic Wrench & Grip Pack Valued at \$177^{RRP}

Never get caught without the right size spanner or wrench again!

PACK INCLUDES...

- 1 x 6" Bionic Wrench Spanner
- 1 x 8" Bionic Wrench Spanner
- 1 x 6" Bionic Grip
- 1 x 8" Bionic Grip



Adrad only supplies quality parts, made by the world's leading manufacturers, with brands including:



Adrad is a Quality Accredited Manufacturer & Supplier

Replace it Once

A/C Compressor Kits

NATIONWIDE 3 Year Warranty

"Fitting a compressor kit is the best way to go about the job. That's why I use and install Adrad Compressor Kits."

Terry Edgar
Kat's Automotive Services QLD

A/C Compressor Kits include all the parts needed to completely restore the vehicle air conditioning system back to new condition.

CONDENSER PRICES CONDENSED

OFFER ENDS 30 November



\$164
Normally \$190.00
HOLDEN COLORADO RG 6/12-
ISUZU D-MAX 6/12- **MUX** 13-
CHOL54K



\$112
Normally \$125.00
TOYOTA CAMRY ACV40R 7/06-10/11
TOYOTA AURION GSV40R 06-11
CTOY108K



\$141
Normally \$184.00
TOYOTA LANDCRUISER VDJ76R,
78R,79R 4.5Ltr V8 Dsl 1/07-
CTOY142K



\$150
Normally \$177.00
VOLKSWAGEN CADDY
3/05-8/10
CVWN18K



\$133
Normally \$155.00
MAZDA 2 LA 7/07-14
CMAZ69K



\$104
Normally \$148.00
NISSAN NAVARA D22 3/97-05
CNIS82K



\$122
Normally \$132.00
TOYOTA COROLLA ZZE122R
10/01-9/04
CTOY72K



\$70
Normally \$114.00
HOLDEN CRUZE AU JG & JH 09-
TD, JH 8/98-9/02
CHOL49



THERMAL EXPANSION VALVE SPECIALS

OFFER ENDS
30 November

AUDI A3 8V 13- VW GOLF Mk7 TIGUAN
16-, PASSAT B8 3C 9/15 TXAUD38 **\$18**

DODGE JOURNEY & NITRO 08-12 JEEP
CHEROKEE KK 08-14 TXDOD01 **\$18**

FORD MONDEO MA 07-09, MB & MC
09- FREELANDER / EVOQUE TXFOR72 **\$14**

HOLDEN BARINA TM 11- HOLDEN TRAX
13-17 TXDOD01 **\$17**

LANDCRUISER PRADO 10/13 Series 1
KDJ150 & GRJ150 TXTOY06 **\$83**

TRITON ML/MN 7/09- CHALLENGER
PB/PC 09-15 TXMIT02 **\$18**

FORD FOCUS LW 11-15
TXFOR76 **\$18**

HONDA JAZZ GE '08-14
TXHON70 **\$13**

MITSUBISHI PAJERO NM & NP
99-06 TXMIT33 **\$13**

MITSUBISHI OUTLANDER
ZJ & ZK 12- TXMIT56 **\$14**

NISSAN TIIDA '05-12
TXNIS60 **\$18**

SUBARU TRIBECA B9 '06-14
TXSUB20 **\$19**

SUBARU LIBERTY 09-14 OUTBACK
09- 2ltr & 2.5ltr TXAUD38 **\$45**

GRAND CHEROKEE WK 13-19
3.6ltr V6 TXJEE04 **\$35**

HOLDEN CAPTIVA CG 06-
TXHOL042 **\$19**

SUZUKI GRAND VITARA 99-08
TXSUZ25 **\$13**

PAJERO NS, NT, NW, NX 06-
TXMIT05 **\$43**

HOLDEN COLORADO RG 12-
TXHOL54 **\$18**

TOYOTA CAMRY ASV50R 11-
AURION GSV50R 12- TXTOY170 **\$18**

LANDCRUISER PRADO 13- Series
2 KDJ150 & GRJ150 TXTOY07 **\$28**

Call **1800 882 043** or visit **RadShop®**

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KOYO AIR

EXCLUSIVE TO ADRAD



**NATIONAL
2
YEAR
WARRANTY**

Compressor Specials

Offer Ends 30 November or while stocks last

 <p>\$460</p> <p>TOYOTA LANDCRUISER HDJ/HZJ80 90-93 PTOY014</p> <p>DENSO</p>	 <p>\$411</p> <p>NISSAN PATROL Y61 (4/00-) Suits ZD30 Engine / TE Chassis OE# 92600-VB800 PNIS03</p> <p>Valeo</p>	 <p>\$414</p> <p>HOLDEN ASTRA AH 2.0ltr (05-) AH 1.8L (05-07) UPTO #7508647 PHOL27A</p>
 <p>\$460</p> <p>TOYOTA TARAGO ACR50R (3/06-) 2.5ltr 4cyl Petrol PTOY135</p> <p>DENSO</p>	 <p>\$335</p> <p>NISSAN PATHFINDER R50 (95-05) 3.3ltr Petrol PNIS34</p> <p>ADAIR</p>	 <p>\$420</p> <p>NAVARA D40M 2.5ltr TD '05-09, D40T 2.5ltr TD '08-15 135mm Pulley Diameter PNIS42</p> <p>ADAIR</p>
 <p>\$325</p> <p>JEEP CHEROKEE 01-08 3.7ltr V6 PJEE08</p> <p>ADAIR</p>	 <p>\$559</p> <p>TOYOTA LANDCRUISER VDJ200 (07-) PTOY146</p> <p>DENSO</p>	 <p>\$449</p> <p>FORD FOCUS LS / LT / LV / LVII '6/05-8/10 PFOR61</p>
 <p>\$595</p> <p>NISSAN X-TRAIL T31 07-13 2.5ltr Petrol PNIS46</p> <p>Valeo</p>	 <p>\$550</p> <p>HOLDEN COMMODORE SERIES 2 VE V6 (9/10-11) PHOL64</p> <p>GENUINE Quality</p>	 <p>\$436</p> <p>HOLDEN CRUZE JH '11/11-15 1.4ltr Turbo Petrol PHOL14G</p> <p>Delphi Technologies</p>
 <p>\$475</p> <p>NISSAN X-TRAIL T31 '11-15 2.0ltr Petrol Engine OE # 92600-ET02A PNIS07</p> <p>Valeo</p>	 <p>\$560</p> <p>FORD MONDEO MA MB (07-9/10) SUITS DIESEL ENGINES PFOR71</p> <p>Delphi Technologies</p>	 <p>\$268</p> <p>NISSAN TIIDA HATCH 05-2/07, SEDAN 05-2/08 CR10 7PV PNIS60</p> <p>Delphi Technologies</p>
	 <p>\$259</p> <p>FORD FALCON BA-BF 6 CYL 9/02 - 08 PFOR48</p> <p>Delphi Technologies</p>	 <p>\$458</p> <p>HYUNDAI ELANTRA (3/11-10/13) SUITS CLIMATE CONTROL SYSTEM PHYU143</p> <p>GENUINE Quality</p>

Welcome



Steve Vassallo
Business Development Manager
– Air Conditioning

Welcome to another edition of The Fridge. I hope everyone is safe & well. Also keeping up to date with COVID-19 practices around your work environment. Remember you need to make your customers feel safe and instantly give them the impression they made the right choice in coming to you.

The last 6 months have certainly been very challenging for everyone & hopefully this will be over soon.

In this edition of the fridge, you will find a variety of products on special.

We have a great offer on Ariazone 5001 FAHDB R134A or HFO1234-yf Database AC machines. The Government has extended the TAX WRITE-OFF to the end of December 2020, so now is an ideal time if you want to update your equipment and capitalize on this incentive. Hopefully leading into a nice hot summer, you'll benefit by getting a quick return for your investment.

We also have many new parts including HFO1234yf tools, a variety of Compressors, Koyo Condensers, TX Valves and some "bargain basement" specials.

Now is also a good time to up-sell on cabin air filters. They are an easy sell, especially with the current environment. Simply explain that a new filter helps the AC to operate more efficiently and gives them cleaner air to breathe as it removes dust, pollen and spores. Most customers would say please replace it instantly.

As mentioned in the last edition of The Fridge, Adrad now gives a **2 Year Warranty on KOYO Condensers**.

Advise your customer about this to help you when selling a replacement Condenser. Alternately, if you also need to replace the compressor, take advantage of our **3 Year Warranty on ADRAD Compressor Kits**.

A new product range recently added is Delphi ignition coils. Adrad has over 100 part numbers available. To see the range on Radshop choose **LASTEST INFO** from the menu, then select **CATALOGUES** and click on the application guide.

We're pleased to announce that in October, Radshop will add a new **REGO SEARCH** feature to make finding parts for a particular vehicle faster and easier. Simply enter the vehicle number plate details and away you go.

Like always, if you feel Adrad needs to stock or range certain parts or products, or would like us to add something that we don't have listed. Please talk with your rep or send an email to customerservice@adrad.com.au.

Steve Vassallo

the Fridge **SPECIAL**

**TAKE ADVANTAGE
OF EXTENDED
TAX WRITE OFF**

ARIAZONE 5001 FAHDB R134a or HFO-1234yf DATABASE

**SPECIAL
PRICE \$5,520**

Normally \$6,300

TOTAL SAVING OVER

\$800

PLUS EXTRA BONUS!

- Free Freight valued at \$150
- 1 Litre of PAOil 68 Grade (P/N AA1-1) valued at \$26.³⁶
- 1 Litre of PAOil 68 Grade With Fluoro Dye (P/N PL68-1) valued at \$28.³⁰



**Call 1800 882 043
for immediate delivery**

Part No. TUNI267

Offer ends **Dec 31 2020**
Prices exclude GST

Compressor Bargain Basement

While Stocks Last!



HOLDEN ASTRA
TS 01-12/04 BARINA XC
(01-) Z18XE, 14 ENG
PHOL025G

Delphi
Technologies

\$325



TOYOTA CAMRY
MCV20R 8/97-8/02
AVALON MCX10R
7/00-10/03 PTOY046

DENSO

\$347



TOYOTA HIACE
LH125 (95-00)
LH184 (00-05)
PTOY88

DENSO

\$406



HOLDEN RODEO
RA03 V6 Pet '03-
PHOL040G

Delphi
Technologies

\$275



HONDA ACCORD
93-97
PHON15

Delphi
Technologies

\$221



JOHN DEERE TRACTOR
8570, 8770, 8870
& 8970
PJ0H02

DENSO

\$179



HINO
FF1J, FM1J, FT1J & GT1J
PHIN01

DENSO

\$213



TOYOTA CAMRY
30 SERIES 3.0ltr
MCV36 6/02 - 12/07
PTOY35

DENSO

\$396



MITSUBISHI PAJERO
NM / NP PET 5/00 -
11/06
PMIT33

DENSO

\$434



TOYOTA PRADO
(5/96-02) VDJ95 3.4ltr
Engine
PTOY019

DENSO

\$355



DAF TRUCK CF85,
XF95, XF105 SD7H15
24V 7PV 136 SB DM
PDAF01

ADAIR →

\$189



KOMATSU PC300
HITACHI 10S15C
PKOM01

DENSO

\$324



HOLDEN ASTRA
TS 1.8L 9/98-12/00
PHOL023G

Delphi
Technologies

\$299



HOLDEN ASTRA
TR 1/96-8/98 SUITS
MORE APPLICATIONS
PHOL008G

Delphi
Technologies

\$228



**SUBARU LIBERTY &
OUTBACK** (05-)
SCSA08C 2ltr 2.5ltr
Engines PV6 90mm
PSUB02

DENSO

\$301



**SUBARU OUTBACK &
LIBERTY** (04-09) 3ltr
Engine Only PV6
93mm PSUB01

DENSO

\$383

Call **1800 882 043** or visit **RadShop®**

Available while stocks last subject to change without notice, prices ex gst. E&OE.

Ignition Coils



Adrad's extensive parts range includes high-quality ignition coils, modules and coil packs.

Delphi, DENSO and Valeo coils are backed by over 100 years of collective ignition system experience, delivering reliability and long service life.

These manufacturers are globally recognised for their OE and aftermarket expertise, and have applied their knowledge to include advanced design features to their ignition products. Testing has proven these superior parts meet the demands of modern vehicles and their construction using quality material ensures longevity.

Delphi are known to use high-grade materials for superior dielectric strength, insulation and durability.

Compressor Electronic Valves

Part Number	Full Item Description
PCV01	SUITS DENSO 6SEU14C 7SEU16C 92mm 90 degree
PCV02	SUITS SANDEN PXE13 PXE16 101mm with lead
PCV03	SUITS SANDEN PXE13 PXE16 72mm with lead
PCV04	SUITS SANDEN PXE13 PXE16 PXE18 72mm 90 degree
PCV05	SUITS SANDEN PXE13 PXE16 102mm 90 degree
PCV06	SUITS DENSO 5SE09C 5SE12C 6SEU16C 7SEU16 97mm straight
PCV07	SUITS DENSO 6SEU12C 6SEU16C 123mm straight
PCV08	SUITS DELPHI CVC 87mm 90 degree
PCV09	SUITS DENSO 7SBH17C 98mm straight
PCV10	SUITS VALEO DCS17E 94mm straight
PCV11	SUITS DENSO 5SE09C 93mm 90 degree
PCV12	SUITS DENSO 5SEU 6SEU 7SEU with diode 93mm
PCV13	SUITS SANDEN PXE14 PXE16 78mm 90 degree
PCV14	SUITS ZEXEL VALEO DCS17E DCW17 97mm 90 degree
PCV15	SUITS ZEXEL VALEO DCS17 101mm with lead
PCV16	SUITS SANDEN SD7C16 92mm 90 degree
PCV17	SUITS DENSO 6SEU14C 7SEU16C 93mm with lead
PCV18	SUITS SANDEN SD6C12 SD7C16 94mm 90 degree
PCV19	SUITS SANDEN PXE14 PXE16 87mm 90 degree
PCV20	SUITS DENSO 6SEU16C 5SE09C 5SE12C 7SEU17C 95mm
PCV21	SUITS DENSO 6SEU16C 119mm 90 degree
PCV22	SUITS HALLA VS16E S16E 93mm 90 degree
PCV23	SUITS DENSO TSB19C TSE17C 5SE09C 6SEU16 99mm straight



CABIN AIR FILTERS



ADAIR 
Auto Air Products

**MANN
FILTER**

FRAM

Valeo

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APPLICATION GUIDE](#)

WORKSHOP CONSUMABLES



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PRODUCTS](#)

Available on **RadShop**[®]
Australia's *coolest* online shopping experience

Product Talk with Shane



Shane Brown
Product Development Manager -
Adrad Aftermarket

Welcome to the latest edition of The Fridge – I hope you and your families have continued to stay safe & healthy during this COVID pandemic. It was a busy last period for the product team which seen a number of new exciting product releases, dominated by compressors, TX Valves, and blower motors, all suiting popular vehicles in our car parc. With Spring now on us, Hay fever and

other allergies are most certainly about. It is an opportunistic time to continue to remind your customers on the advantage of changing their Cabin Air Filter. With the Adrad Cabin Air Filter program covering over 4,500 applications, I am sure we have the filter to support your requirements. Our program is dominated by quality brands such as FRAM, Valeo & Mann + Hummel. Also, our latest application guide for Cabin Air Filters is available for download on RadShop.

Take advantage of the TX Valve specials within this edition of The Fridge, our program has been expanding for some time now. Did you know Adrad has covers over 4,000 applications within the TX Valve program!?

The Adair Fan Clutch program has been received with excellent support, so thank you to all those who are now consuming or selling our product. Another 10 part numbers have recently been identified and will be arriving late Spring covering popular models such as the Ford Ranger,

Nissan Navara & Patrol, Jeep Cherokee, and Toyota Landcruiser.

It was exciting to release the new V3.0 range of Smart Batter Chargers from NOCO, also being one of the first distributors in Australia to have stock of the products. The all new GENIUS series is all about more power and performance! Simply search for "GENIUS V3.0" online to view the new range, or ask one of our customer service staff.

Cable Ties supplied by Tridon are also now available from Adrad – Be sure to check them out!

We have over 100 new products coming in the next quarter, so be sure to keep an eye out for our monthly new product updates - Bring on Summer!

If you have any feedback or questions relating to our products, or if you are looking for a part that you can't find, please contact our national customer service centre on 1800 882 043.

Spend \$500 on A/C parts & get a free Bionic Wrench & Grip Pack Valued at \$177^{RRP}



Never get caught without the right size spanner or wrench again!

PACK INCLUDES...

1 x 6 Inch Bionic Wrench Spanner
1 x 8 Inch Bionic Wrench Spanner

1 x 6 Inch Bionic Grip with Interlock
1 x 8 Inch Bionic Grip with Interlock

Part numbers TUNI375, TUNI376, TUNI377 and TUNI378. Offer available till November 30th, while stocks last. Email steve.vassallo@adrad.com.au Invoice number to receive goods. Spent amount is ex gst.

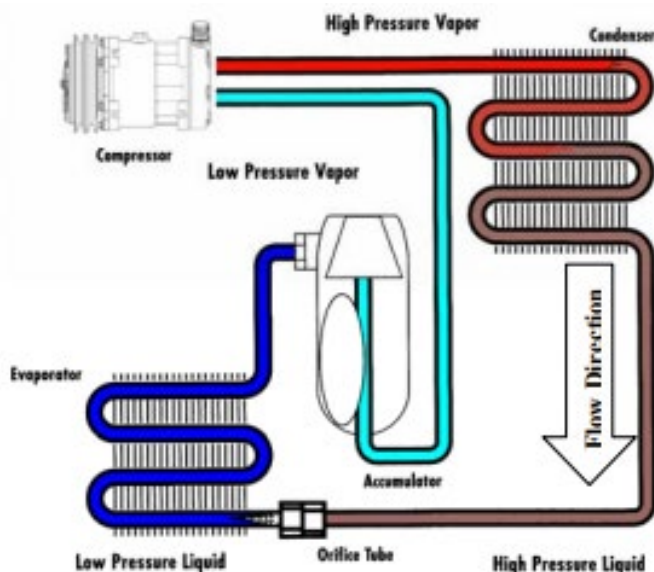
Tech Tip - Courtesy of Sanden

Contamination (Keep it Clean and Dry)

Refrigerant and oil circulate through the refrigeration loop during compressor operation. Contamination from rust due to moisture, desiccant or metal particles from a failed compressor will travel with the refrigerant oil mixture and settle throughout the system.

If a new compressor is placed in a dirty refrigerant system the new compressor will suck in loose contamination particles and fail quickly.

Inspect the oil and expansion devices for signs of grit or foreign particles. If foreign particles are present it is imperative that the system is fluid flushed.



Dirty Orifice Tube removed from contaminated system. **Clean Orifice Tube**

This system must be flushed before a new compressor can be installed. If not damage like the blocked discharge valve in the photo at left will occur.

When flushing a system never flush compressors, expansion valves, orifice tubes, receiver driers or accumulators. These components should be replaced with new parts.

System Evacuation

System Evacuation is the process where moisture and air are removed from the system before charging with refrigerant. It is important to note that water boils at specific temperatures and pressures according to the table to the right.

Example—Water will boil at 70° F once vacuum reaches 29.18 " Hg or lower at sea level.



Water Boils under a Vacuum

System Vacuum Inches Hg	Boiling Point Degrees Fahrenheit
24.04	140
25.39	130
26.45	120
27.32	110
27.99	100
28.50	90
28.89	80
29.18	70
29.40	60
29.66	50
29.71	40
29.76	30
29.82	20
29.86	10
29.87	5

Warning

Vacuum pumps with contaminated oil will not be capable of reaching the vacuum level necessary to boil water. It is critical to maintain all equipment per the manufacturer recommendation. Failure to do so can result in newly repaired systems leaving the shop with moisture contamination.



A/C Compressors fail when contaminated by debris in the A/C system

Extensive flushing of the A/C may not remove fine particles that contaminate an vehicle A/C system.



- ▶ Micro-ports in parallel flow condensers found in 8/10 vehicles are 1 mm wide or less & too small to be effectively flushed.
- ▶ The filter drier is exposed to debris and cannot be completely flushed.
- ▶ Fine debris lodged in an expansion device cannot be thoroughly flushed.

The solution:

Fit a full A/C Compressor Kit combined with a full system flush.

Benefits of using an Adrad A/C Compressor Kit:

- ▶ Extended full three year warranty - fewer claims
- ▶ Minimise risk of premature compressor failure due to recontamination
- ▶ Saves time trying to flush contaminated components
- ▶ Cost effective
- ▶ Buy everything you need for most vehicle applications in a single step.

Using an Adrad A/C Compressor Kit is the easiest, most reliable way to repair a contaminated A/C system.

Replace it Once

A/C Compressor Kits



“Fitting a compressor kit is the best way to go about the job. That’s why I use and install Adrad Compressor Kits.”

Terry Edgar
Kat's Automotive Services QLD

A/C Compressor Kits include all the parts needed to completely restore the vehicle air conditioning system back to new condition.

Available for more than 1,400 popular vehicle applications.

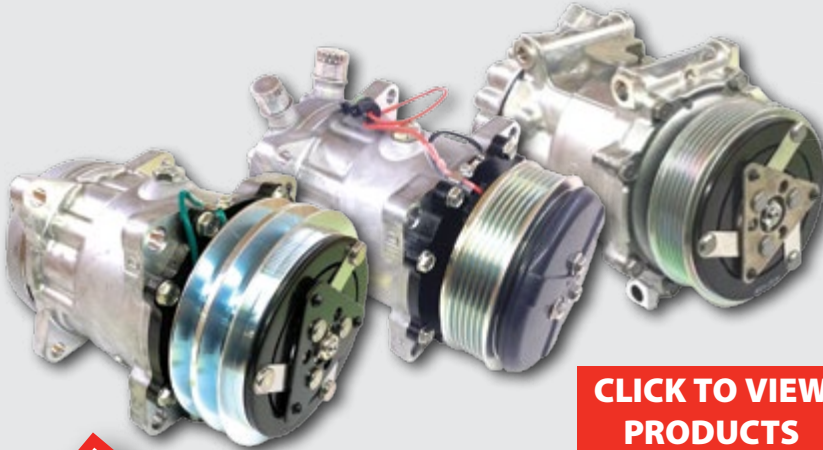
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SANDEN



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PRODUCTS**

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LEAK DETECTION LIQUID
BIG BLU SOLUTION
BULK CONTAINER 3.78L



**CLICK TO
VIEW**

DUNI002

Get
Ready for
HFO-1234yf



SPRING SAVINGS

Adrad has a range of equipment to ensure you're ready to service vehicle air conditioning systems with HFO-1234yf refrigerant



PREMIUM GAUGE SET
HFO-1234yf GAUGE SET INCLUDES HOSES & COUPLERS

TUNI325

\$173



OIL INJECTOR
TUNI324

HFO-1234yf HAND
TURN 1/2oz OIL
INJECTOR

\$77



ECONOMY GAUGE SET

HFO-1234yf GAUGE SET INCLUDES HOSES & COUPLERS

TUNI326

\$172



COUPLER SET
HFO-1234yf HIGH SIDE & LOW SIDE
COUPLER SET

TUNI329

\$52



REPLACEMENT HOSE SET

HFO-1234yf HOSE SET 96 inch RED YELLOW & BLUE

TUNI327

\$49



LEAK DETECTOR

R12 R134a HFO-1234yf HALOGEN LEAK DETECTOR

TUNI328

\$270

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YOUR R134a SUPPLIER



BOC

*Call Adrad today for the
Coolest Price on Refrigerant!*

- 11kg - 22kg - 65kg

Please remember to update us with your current RTA Number for ease of purchase.

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Australia's *coolest* online shopping experience

radshop.com.au

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AU02960

R1234YF AVAILABLE

**4.5KG OPTEON YF HFO-1234YF
REFRIGERANT GAS**

Please remember to update us with your current RTA Number for ease of purchase.

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ADAIR
Auto Air Products

**Call Us
For a Quote
Today**

**CLICK TO
VIEW**



R1234YF-4.5KG

Adrad Distribution Network

Adrad has a national distribution network of 22 warehouses, carrying an enormous range of radiator and air conditioning products, from component parts through to complete assemblies.

Adrad can supply parts fast anywhere in Australia, and provide prompt warranty support.



Quality Cooling Products

Since 1985