



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

DEC 20 2019

REPLY TO THE ATTENTION OF

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Andrew DeVore
Vice President and Associate General Counsel
Amazon.com, Inc.
410 Terry Avenue North
Seattle, Washington 98109-5210

Re: Finding of Violation
Amazon.com, Inc.
Seattle, Washington

Dear Mr. DeVore:

The U.S. Environmental Protection Agency is issuing the enclosed Finding of Violation (FOV) to Amazon.com, Inc. (Amazon or you) under Section 113(a) of the Clean Air Act, 42 U.S.C. § 7413(a). We find that you are violating the regulations for the Protection of Stratospheric Ozone by listing for sale on your website substances that are not in compliance with those regulations or are sold in a manner inconsistent with regulatory requirements.

Section 113 of the Clean Air Act gives us several enforcement options. These options include issuing an administrative compliance order, issuing an administrative penalty order and bringing a judicial civil or criminal action.

We are offering you an opportunity to confer with us about the violations alleged in the FOV. The conference will give you an opportunity to present information on the specific findings of violation, any efforts you have taken to comply and the steps you will take to prevent future violations. In addition, in order to make the conference more productive, we encourage you to submit to us information responsive to the FOV prior to the conference date.

Please plan for your facility's technical and management personnel to attend the conference to discuss compliance measures and commitments. You may have an attorney represent you at this conference.

The EPA contacts in this matter are Jason Schenandoah and Natalie Topinka. You may contact Mr. Schenandoah at (312) 886-9506 or schenandoah.jason@epa.gov, or Ms. Topinka at (312) 886-3853 and topinka.natalie@epa.gov to request a conference. You should make the request within 10 calendar days following receipt of this letter. We should hold any conference within 30 calendar days following receipt of this letter.

Sincerely,



for Michael D. Harris
Director
Enforcement and Compliance Assurance Division

cc: Katie McClintock, EPA Region 10
Mark Palermo, EPA OECA
Amazon Services LLC
regulatory-inquiries@amazon.com

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5**

IN THE MATTER OF:

**Amazon.com, Inc.
Seattle, Washington**

Proceedings Pursuant to
the Clean Air Act,
42 U.S.C. §§ 7401 et seq.

)
)
) **FINDING OF VIOLATION**
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) **EPA-5-20-COE-03**
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FINDING OF VIOLATION

The U.S. Environmental Protection Agency finds that Amazon.com, Inc. (Amazon) is violating Sections 608 and 612 of the Clean Air Act ("CAA"), 42 U.S.C. §§ 7671g and 7671k. Specifically, Amazon is violating the regulations for the Protection of Stratospheric Ozone, at 40 C.F.R. Part 82, Subparts F and G, as follows:

Regulatory Authority

Subpart F – Recycling and Emissions Reduction

1. In accordance with Section 608 of the CAA, 42 U.S.C. § 7671g, EPA promulgated regulations at 40 C.F.R. Part 82, Subpart F ("Subpart F"), applicable to recycling and emissions reductions of ozone-depleting substances. As specified at 40 C.F.R. § 82.150(a), the purpose of the regulations is to reduce emissions of class I and class II refrigerants and their non-exempt substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the maintenance, service, repair, and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a class I or class II ozone-depleting substance or their non-exempt substitutes in accordance with Title VI of the CAA.
2. Subpart F, at 40 C.F.R. § 82.150 (b), states that it applies to any person maintaining, servicing, or repairing appliances containing class I, class II, or non-exempt substitute refrigerants. This subpart also applies to persons disposing of such appliances (including small appliances and motor vehicle air conditioners), refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recovery and/or recycling equipment, approved recovery and/or recycling equipment testing organizations, and persons buying, selling, or offering to sell class I, class II, or non-exempt substitute refrigerants.
3. Subpart F, at 40 C.F.R. § 82.152, states that a "person" means, among other things, any individual or legal entity, including an individual, corporation, partnership, association and any officer, agent, or employee thereof.

4. Subpart F, at 40 C.F.R. § 82.152, states that “class I” refers to an ozone-depleting substance that is listed in 40 C.F.R. Part 82, Subpart A, appendix A.
5. Subpart F, at 40 C.F.R. § 82.152, states that “class II” refers to an ozone-depleting substance that is listed in 40 C.F.R. Part 82, Subpart A, appendix B.
6. Subpart F, at 40 C.F.R. § 82.152, states that “component” means a part of the refrigerant circuit within an appliance including, but not limited to, compressors, condensers, evaporators, receivers, and all of its connections and subassemblies.
7. Subpart F, at 40 C.F.R. § 82.152, states that “*Motor vehicle air conditioner (MVAC)*” means any appliance that is a motor vehicle air conditioner as defined in 40 CFR part 82, subpart B.
8. Subpart F, at 40 C.F.R. § 82.152, states that “substitute” means any chemical or product, whether existing or new, that is used as a refrigerant to replace a class I or II ozone-depleting substance. Examples include, but are not limited to, hydrofluorocarbons, perfluorocarbons, hydrofluoroolefins, hydrofluoroethers, hydrocarbons, ammonia, carbon dioxide, and blends thereof. As used in this Subpart, the term “exempt substitutes” refers to certain substitutes when used in certain end-uses that are specified in 40 C.F.R. § 82.154(a)(1) as exempt from the venting prohibition and the requirements of this subpart, and the term “non-exempt substitutes” refers to all other substitutes and end-uses not so specified in 40 C.F.R. § 82.154(a)(1).
9. Subpart F, at 40 C.F.R. § 82.172 states that “decision” means any final determination made by EPA under Section 612 of the CAA on the acceptability or unacceptability of a substitute for a class I or II compound (“acceptability decision”).
10. Subpart F, at 40 C.F.R. § 82.152, states that “refrigerant” means, for purposes of 40 C.F.R. Part 82, Subpart F, any substance, including blends and mixtures, consisting in part or whole of a class I or class II ozone-depleting substance or substitute that is used for heat transfer purposes and provides a cooling effect.
11. Subpart F, at 40 C.F.R. § 82.152, states that “technician” means, any person who in the course of maintenance, service, or repair of an appliance (except MVACs) could be reasonably expected to violate the integrity of the refrigerant circuit and therefore release refrigerants into the environment. “Technician” also means any person who in the course of disposal of an appliance (except small appliances, MVACs, and MVAC-like appliances) could be reasonably expected to violate the integrity of the refrigerant circuit and therefore release refrigerants from the appliances into the environment. Activities reasonably expected to violate the integrity of the refrigerant circuit include but are not limited to: Attaching or detaching hoses and gauges to and from the appliance; adding or removing refrigerant; adding or removing components; and cutting the refrigerant line. Activities such as painting the appliance, rewiring an external electrical circuit, replacing insulation on a length of pipe, or tightening nuts and bolts are not reasonably expected to violate the integrity of the refrigerant circuit. Activities conducted on appliances that have been properly evacuated pursuant to 40 C.F.R. §82.156 are not reasonably expected

to release refrigerants unless the activity includes adding refrigerant to the appliance. Technicians could include but are not limited to installers, contractor employees, in-house service personnel, and owners and/or operators of appliances.

12. Subpart F, at 40 C.F.R. § 82.154 (c), states as follows: “*Sales Restriction.* (1) No person may sell or distribute, or offer for sale or distribution, any substance that consists in whole or in part of a class I or class II substance or, starting on January 1, 2018, any non-exempt substitute for use as a refrigerant unless:
 - (i) The buyer has been certified as a Type I, Type II, Type III, or Universal technician under §82.161;
 - (ii) The buyer employs at least one technician who is certified as a Type I, Type II, Type III, or Universal technician under §82.161 and provides proof of such to the seller;
 - (iii) The buyer has been certified in accordance with 40 CFR part 82, subpart B and the refrigerant is acceptable for use in MVACs under 40 CFR part 82, subpart G;
 - (iv) The buyer employs at least one person who is certified under 40 CFR part 82, subpart B, and provides proof of such to the seller and the refrigerant is acceptable for use in MVACs under 40 CFR part 82, subpart G. Nothing in this provision relieves persons of the requirements of §82.34(b) or §82.42(b);
 - (v) The refrigerant is sold only for eventual resale to persons certified under §82.161 or 40 CFR part 82, subpart B or to appliance manufacturers (e.g., sold by a manufacturer to a wholesaler, sold by a technician to a reclaimer);
 - (vi) The refrigerant is sold to an appliance manufacturer;
 - (vii) The refrigerant is contained in an appliance with a fully assembled refrigerant circuit or an appliance component;
 - (viii) The refrigerant is charged into an appliance by a certified technician or an apprentice during maintenance, service, or repair of the appliance; or
 - (ix) The non-exempt substitute refrigerant is intended for use in an MVAC and is sold in a container designed to hold two pounds or less of refrigerant, has a unique fitting, and, if manufactured or imported on or after January 1, 2018, has a self-sealing valve that complies with the requirements of paragraph (c)(2) of this section.”
13. Subpart F, at 40 C.F.R. § 82.161, applies to technicians and organizations certifying technicians that maintain, service, or repair appliances containing any class I or class II refrigerant or any non-exempt substitute refrigerant.

14. Subpart F, at 40 C.F.R. § 82.161(a), states as follows: “Certification Requirements. (1) Any person who could be reasonably expected to violate the integrity of the refrigerant circuit during the maintenance, service, repair, or disposal of appliances (as follows in this paragraph) [40 C.F.R. § 82.161 (a) (i)-(vii)] containing a class I or class II refrigerant or a non-exempt substitute refrigerant must pass a certification exam offered by an approved technician certification program.”

Subpart G - Significant New Alternatives Policy (SNAP) Program

15. In accordance with Section 612 of the CAA, 42 U.S.C. § 7671k, EPA promulgated regulations at 40 C.F.R. Part 82, Subpart G (“Subpart G”), applicable to safe alternatives to ozone-depleting substances. As specified at 40 C.F.R. § 82.170(a), the purpose of these regulations in Subpart G is to implement section 612 of the CAA regarding the safe alternatives policy on the acceptability of substitutes for ozone-depleting compounds. This program is referred to as the “Significant New Alternatives Policy” (SNAP) program. The objectives of this program are to identify substitutes for ozone-depleting compounds, to evaluate the acceptability of those substitutes, to promote the use of those substitutes believed to present lower overall risks to human health and the environment, relative to the class I and class II compounds being replaced, as well as to other substitutes for the same end-use, and to prohibit the use of those substitutes found, based on the same comparisons, to increase overall risks.
16. Subpart G, at 40 C.F.R. § 82.172, states that “substitute or alternative” means any chemical, product substitute, or alternative manufacturing process, whether existing or new, intended for use as a replacement for a class I or II compound.
17. Subpart G, at 40 C.F.R. § 82.172 states that “use” means any use of a substitute for a Class I or Class II ozone-depleting compound, including but not limited to use in a manufacturing process or product, in consumption by the end-user, or in intermediate uses, such as formulation or packaging for other subsequent uses.
18. Subpart G, at 40 C.F.R. § 82.172, states that “use restrictions” means restrictions on the use of a substitute imposing either conditions on how the substitute can be used across a sector end-use or limits on the end-uses or specific applications where it can be used within a sector.
19. Subpart G, at 40 C.F.R. § 82.174 (a), states that “[n]o person may introduce a new substitute into interstate commerce before the expiration of 90 days after a notice is initially submitted to EPA under §82.176(a).”
20. Subpart G, at 40 C.F.R. § 82.174 (b), states that “[n]o person may use a substitute which a person knows or has reason to know was manufactured, processed or imported in violation of the regulations in this subpart, or knows or has reason to know was manufactured, processed or imported in violation of any use restriction in the acceptability determination, after the effective date of any rulemaking imposing such restrictions.”

21. Subpart G, at 40 C.F.R. § 82.174 (c), states as follows: “[n]o person may use a substitute without adhering to any use restrictions set by the acceptability decision, after the effective date of any rulemaking imposing such restrictions.”
22. Subpart G, at 40 C.F.R. § 82.174 (d), states as follows: “[n]o person may use a substitute after the effective date of any rulemaking adding such substitute to the list of unacceptable substitutes.”
23. Subpart G, at 40 C.F.R. § 82.176 (a), states that “[a]ny producer of a new substitute must submit a notice of intent to introduce a substitute into interstate commerce 90 days prior to such introduction. Any producer of an existing substitute already in interstate commerce must submit a notice as of July 18, 1994, if such substitute has not already been reviewed and approved by the Agency.”

Factual Background

24. Amazon is a multi-national technology company that provides for, among other things, e-commerce retail transactions,
25. Amazon’s headquarters is at 410 Terry Avenue North, Seattle, Washington.
26. Amazon is subject to requirements at 40 C.F.R. Part 82, Subparts F and G, because it engages in sales of substances regulated under these Subparts.
27. By listing products for sale on its website, Amazon used a substitute for a Class I or Class II ozone-depleting compound, as defined in 40 C.F.R § 82.172.
28. Appendix A to this FOV lists products Amazon sold or offered for sale consisting in whole or in part of a class I or class II compound or of a non-exempt substitute for use as a refrigerant.
29. Appendix B to this FOV lists products Amazon sold or offered for sale consisting of substitutes that have not been submitted to EPA under 40 C.F.R. § 82.176(a).
30. Appendix C to this FOV lists a product Amazon sold or offered for sale consisting of a substitute that has been used without adhering to any use restrictions set by the acceptability decision, after the effective date of the rulemaking imposing such restrictions.

Violations

31. Amazon sold or offered for sale the products listed in in Appendix A without meeting any of the criteria in 40 C.F.R § 82.154(c)(i)-(ix), in violation of the sales restriction at 40 C.F.R. § 82.154(c).
32. Amazon introduced into interstate commerce the products listed in Appendix B for which a notification had not been submitted, in violation of 40 C.F.R. § 82.176(a).

33. Amazon used the product listed in Appendix C, which has not been approved for the use advertised, in violation of 40 C.F.R. § 82.174(c).

Date

12-20-19

For

Michael D. Harris

Director

Enforcement and Compliance Assurance Division

CERTIFICATE OF MAILING

I certify that I sent a Finding of Violation, No. EPA-5-20-COE-03, by Certified Mail, Return Receipt Requested, to:

Andrew DeVore, Vice President and Associate General Counsel
Amazon.com, Inc.
410 Terry Avenue North
Seattle, Washington 98109-5210

I also certify that I sent copies of the Finding of Violation by first-class mail to:

Corporation Services Company
Registered Agent for:
Amazon Services, LLC
300 Deschutes Way SW, Suite 304
Tumwater, Washington 98501

I also certify that I sent copies of the Finding of Violation by e-mail to:

Katie McClintock
EPA Region 10
mcclintock.katie@epa.gov

Mark Palermo
EPA OECA
palermo.mark@epa.gov

and

regulatory-inquiries@amazon.com

On the 20th day of December 2019



Kathy Jones
Program Technician
AECAB, PAS

CERTIFIED MAIL RECEIPT NUMBER: 7019 0140 0000 67223383

Appendix A



All ▾ refrigerant

Hello, Account & Lists ▾ Orders Prime ▾ 0 Cart

Deliver to

Whole Foods [Browsing History ▾](#) [Today's Deals](#)[Prime Video](#) Stream movies & TV shows[Automotive](#) [Your Garage](#) [Deals & Rebates](#) [Best Sellers](#) [Parts ▾](#) [Accessories ▾](#) [Tools & Equipment ▾](#) [Car Care ▾](#) [Motorcycle & Powersports ▾](#) [Truck ▾](#) [RV ▾](#)[Back to results](#)

Lower Priced Items to Consider

ZeroR R-134a Refrigerant - Made in USA
- 12oz Cans (3)

74

\$25.95

Wostore 12 Cans Pure R134a
Automotive Refrigerant/Freon...

4

\$66.59

Chemours DuPont Suva 134a
Refrigerant, 12 oz., Pack of 12

286

\$73.90

Is this feature helpful? [Yes](#) [No](#)

Roll over image to zoom in

Zeiger R134A
Refrigerant, Full of R-
134A, Net 30LB Tank,
134A Suitable for
Automotive air
conditioners,
refrigerators

by Zeiger

15 ratings

| 9 answered questions

Note: This item is only available from
third-party sellers (see all offers).

Available from these sellers.

- 30LB Tank is filled with R134A
- See more product details

New (2) from \$219.99 + FREE
Shipping

Report incorrect product
information.

To Valparaíso

[See All Buying Options](#)[Add to List](#)

Share

Have one to sell?

[Sell on Amazon](#)

VISLONE
Refrigerant Manifold
Gauge Set



Vislone Refrigerant Manifold Gauge Set
Air Conditioning Tools with Hose and ...

2

[Ad feedback](#)[Ad feedback](#)

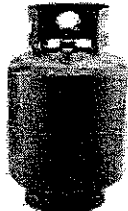
Sponsored products related to this item

Page 1 of 25





A/C Pro Auto Air
Conditioning Recharge
Bundle (3 Piece Kit)
15
\$57.27



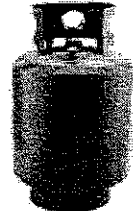
Recovery Cylinder Tank
Portable Reusable Steel
Freon Reclaim Tank 30 LB
Pound (50 LB)
\$99.99



Arctic Freeze Ultra
Synthetic Automotive
Refrigerant 134A (22 oz.)
234
\$34.84



ZeroR R-134a Refrigerant -
Made in USA - 12oz Cans
(6)
41
\$39.95



Belovedkai 30 lb/50lb
Refrigerant Recovery
Cylinder Tank, 400 PS
Steel Y-Valve Liq...
\$99.99

[Ad feedback](#)

What other items do customers buy after viewing this item?



Varies R-134A 30lbs
1
\$150.00



Elitech WJL-6000 Freon Leak Detector Halogen Leak Detector Refrigerant Gas Leakage Tester
315
\$22.99



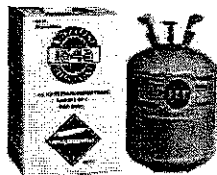
PENGUIN R410A USA MADE
113
\$117.00



Orion Motor Tech 3 Way AC Diagnostic Manifold Gauge Set for Freon Charging, Fits R134A R12
186
\$36.99

Customers who viewed this item also viewed

Page 1 of 8



Varies R-134A 30lbs
1
\$150.00



PENGUIN R410A USA
MADE
113
\$117.00



ZeroR R-134a Refrigerant -
Made In USA - 12oz Cans
(3)
74
\$25.95



Wostore 12 Cans Pure
R134a Automotive
Refrigerant/Freon 12oz
4
\$66.59



Robinair (34102)
Refrigerant Tank for R
134a - 30 lbs.
42
\$137.31

Special offers and product promotions

- Get a \$70 Amazon.com Gift Card instantly upon approval for the **Amazon Prime Rewards Visa Card** Apply now

Have a question?

Find answers in product info, Q&As, reviews

Type your question or keyword

Product information

Technical Details

Additional Information

Brand Zeiger

Manufacturer Part Number R134A-BR-M

ASIN

B07TYX76M8

Customer Reviews

15 ratings

4.5 out of 5 stars

Best Sellers Rank

#26,811 in Automotive (See Top 100 in Automotive)

#8 in Refrigerants

Date First Available

July 3, 2019

Technical Specification

Material Safety Data Sheet [pdf]

Specification Sheet [pdf]

Warranty & Support

Product Warranty: For warranty information about this product, please click here

Feedback

If you are a seller for this product, would you like to suggest updates through seller support?

Would you like to tell us about a lower price?

Related video shorts (0) Upload your video



Be the first video

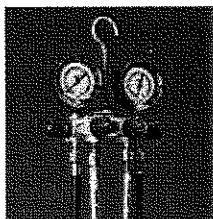
Your name here

Product description

30LB Tank is filled with R134A

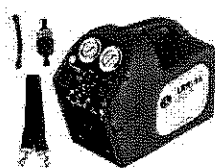
Sponsored products related to this item

Page 1 of 20



Yellow Jacket 49968 - TITAN Manifold w/Hoses and Ball Valves, R22/404A/410A

\$224.95



DreamJoy 1/2HP Refrigerant Recovery Machine Portable 115V AC Refrigerant Recycling ...

9

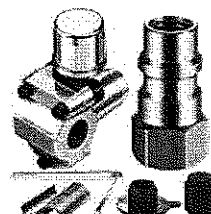
\$449.00



ZeroR R-134a Refrigerant - Made in USA - 12oz Cans (6)

41

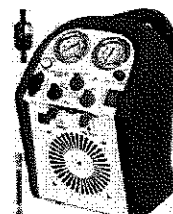
\$39.95



2 Packs A/C Retrofit Valve with Dust Cap Converts R12 to R134a Fit 7/16 Inch Low Si...

1

\$10.99



Mophorn Portable Refrigerant Recovery Machine 115V AC 60

1

\$499.00

Ad feedback



Ashley Furniture Signat...

1,894

\$244.45

See details

Ad feedback

Customer questions & answers

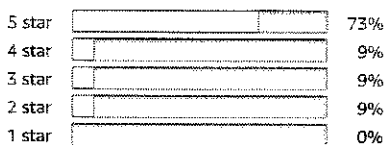
Have a question? Search for answers

0
votes**Question:** Are you stating that this refrigerant will work in a refrigerator without harm to the compressor?**Answer:** yes if takes this type of refilgent
By kenneth wirth on August 10, 20190
votes**Question:** Gage hose not fit what addaptor do i need**Answer:** You need r134a charging adapter
You can get them on amazon
By Amazon Customer on August 14, 2019
[See more answers \(1\)](#)0
votes**Question:** Does tank have 30 of r134 in it??**Answer:** Hi customer,
Yes, our product is filled with 30 lb r134a.
By ZEIGER SELLER on July 27, 2019
[See more answers \(1\)](#)0
votes**Question:** Do i need a license to buy this or is it like buying a 12 oz can?**Answer:** I bought just like a 12oz can. It just has a statement when you buy saying it will be used by a technician. Didn't have to sign anything.
Delivered by ups right to door step. Hope this answers your question.
By George Lewis on August 1, 2019
[See more answers \(2\)](#)0
votes**Question:** Are they delivering by amazon drivers?**Answer:** no
By MikeB23 SELLER on July 23, 20190
votes**Question:** its this virgin 134a or recycled?**Answer:** Hi customer,
Yes, it is virgin refrigerant 134a.
By ZEIGER SELLER on July 27, 20190
votes**Question:** Should i add oil with charge**Answer:** no oil is still in your system if you replaced compreser make shure it came with oil most do have oil i am retired a/c jouriman
By kenneth wirth on August 10, 2019
[See more answers \(1\)](#)0
votes**Question:** If you need a certification to buy reffridgerant how can i buy it on amazon?**Answer:** you can buy on line
By kenneth wirth on August 10, 2019[See more answered questions \(1\)](#)

Customer reviews

4.5 out of 5

15 customer ratings



10 customer reviews

[Top Reviews](#)

Scott Barr

good on line description, good price

September 3, 2019

Verified Purchase

good on line description, good price, delivered on time, arrived as described, worked the first time

[Helpful](#)[Comment](#)[Report abuse](#)

Review this product

Share your thoughts with other customers



Raymond D.

Great price, You will need an adapter to use on old set of manifold gauge sets.

September 19, 2019

Write a customer review



ZeroR R-134a Refrigerant - Made in USA - 12...

41

\$39.95

Shop now

Ad feedback

Verified Purchase

Great price and fast shipping.

Helpful

Comment

Report abuse



Muhyaldin F.

P

September 2, 2019

Verified Purchase

Good

Helpful

Comment

Report abuse



wellcrap

Full tank

August 13, 2019

Verified Purchase

Extellant..no surprises..fast. shipping

Helpful

Comment

Report abuse



Tom Colville

Quick shopping

October 3, 2019

Verified Purchase

Good job

Helpful

Comment

Report abuse



Jeff Rosenthal

Perfect description. ..just what I needed!

October 12, 2019

Verified Purchase

Quick shipping...

Helpful

Comment

Report abuse



Remigio Mier

product safety

September 30, 2019

Verified Purchase

I like it because it's good and I use it for restaurant refrigerators

Helpful

Comment

Report abuse



Amazon Customer

Great service

August 29, 2019

Verified Purchase

Shipped on time. Worked perfectly

Helpful

Comment

Report abuse

There are 10 customer reviews and 15 customer ratings.

See all 10 customer reviews

Write a customer review



Ad feedback

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Amazon Music
Stream millions
of songsAmazon
Advertising
Find, attract, and
engage
customersAmazon Drive
Cloud storage
from AmazonGpm
Score deals
on fashion brandsAbeBooks
Books, art
& collectiblesACX
Audiobook
Publishing
Made EasyAlexa
Actionable Analytics
for the WebAmazon Business
Everything For
Your BusinessAmazon Fresh
Groceries & More
Right To Your
DoorAmazonGlobal
Ship Orders
InternationallyHome Services
Handpicked Pros
Happiness
GuaranteeAmazon Inspire
Digital Educational
ResourcesAmazon Rapids
Fun stories for
kids on the goAmazon Web
Services
Scalable Cloud
Computing ServicesAudible
Listen to Books &
Original
Audio PerformancesBook
Depository
Books With Free
Delivery
WorldwideBox Office Mojo
Find Movie
Box Office DataComixology
Thousands of
Digital ComicsCreateSpace
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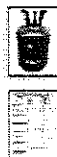
Refrigeration

Cooking

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Parts & Accessories

**The Halloween Store** Shop candy, costumes, and more[Back to results](#)

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R407C, Refrigerant 407C, Full of R-407C, Net 25LB Tank, Suitable for AC/Single Unit/Multiple Connected Air Conditioning

by Zeiger

Was: \$460.00

Price: \$139.00 & FREE Shipping

You Save: \$21.00 (13%)

Thank you for being a Prime member. Get \$70 off instantly. Pay \$69.00 upon approval for the Amazon Prime Rewards Visa Card. No annual fee.

Note: Not eligible for Amazon Prime.

- Full of R-407C, Net 25LB Tank, USA Made
 - WIDE USE: As medium and high temperature refrigerant. Seen in household or commercial for central AC/single unit/multiple connected air conditioning. Also suitable for dehumidifiers, refrigerated dryers, marine equipments, industrial use and so on
- [See more product details](#)

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New (2) from \$139.00 + FREE Shipping

[Report incorrect product information.](#)**PillPack—An Amazon Company**Your medication, delivered. [Learn more >](#)

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To Valparaiso

In Stock.

Qty: 1

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[Add to Cart](#)[Buy Now](#)

Ships from and sold by Commercial Lighting Services LLC NC.

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+ Free Shipping

Sold by: ZEIGER

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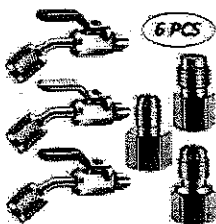
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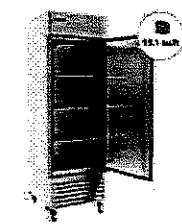
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6 Pieces Air Conditioning Refrigerant Angled Compact Ball Valve 1/4 Inch for R410A ...

\$22.99



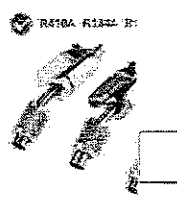
KITMA 27" Single Door Reach in Commercial Refrigerator - 23 Cu. Ft Stainless Steel...

\$1,489.95



Goodman GSX130481 Condenser, Central Air Conditioning - 13 SEER, 4 Ton, 48,000

\$1,302.00



Zeiger R134A An Compact Ball Valve SAE, Suitable for Conditioning Ref

2

\$29.99

[Ad feedback](#)**Have a question?**

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Product information

Technical Details

Brand Name	Zeiger
Part Number	R407C-BRAND-7

Technical Specification

Material Safety Data Sheet [pdf]
Specification Sheet [pdf]

Additional Information

ASIN	B07Y2XCKZX
Best Sellers Rank	#2,306 in Appliances (See Top 100 in Appliances) #118 in Refrigerators
Shipping Information	View shipping rates and policies
Date First Available	September 18, 2019

Warranty & Support

Product Warranty: For warranty information about this product, please click here

Feedback

If you are a seller for this product, would you like to suggest updates through seller support?

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PENGUIN R410A USA
MADE
113
\$117.00



Zeiger R134A Refrigerant,
Full of R-134A, Net 30LB
Tank, 134A Suitable for
Automotive air...
15
2 offers from \$219.99



R404A, Refrigerant 404A,
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Cliplight 981 Super
Change Fast and Easy R22
System Retrofit
4
\$50.00



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Replacement - Engine
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3
1 offer from \$299.99

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PENGUIN R410A USA
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113
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Leak Saver Direct Inject
Refrigerant Leak Sealer
84
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435
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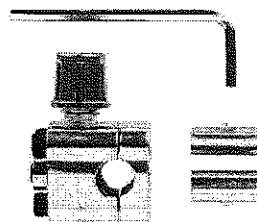
This item R407C, Refrigerant 407C, Full of R-407C, Net 25LB Tank, Suitable for AC/Single Unit/Multiple Connected Air Conditioning

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Goodman 3 Ton 16 SEER Air Conditioner R-410a GSX160361

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Supco BPV31 Bullet Piercing Valve

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SUPCO BPV31 OR TJ90BPV31 GENUINE FACTORY OEM ORIGINAL BULLET PIERCING VALVE FOR 1/4"Ø, 5/16"Ø AND 3/8"Ø TUBING

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Customer Rating	(0)	(20)	(505)	(260)
Price	\$139 ⁰⁰	\$1,320 ⁰⁰	\$3 ²⁰	\$5 ⁹⁰
Shipping	FREE Shipping on orders over \$25	FREE Shipping on orders over \$25		FREE Shipping on orders over \$25
Sold By	Commercial Lighting Services LLC NC	MRO Next Day	Amazon.com	MacMaxe
Color	—	Gray	Silver	silver



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Product description

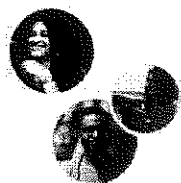
Full of 407C refrigerant, USA Made.

Customers recommend

Best refrigerator fans for RVs

See what customers said about these highly rated items.

[Read more](#)



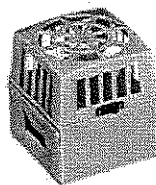
RV Fridge Fan Refrigerator Air Fan Mini Fridge Circulation by EZ Travel Collection

\$30⁷⁴

In stock.

17

"Works great in my RV"
— fabian laskowski



Valterra 3-Volt FridgeCool Fan, Refrigerator Fan for RV and by Valtterra

\$13⁹⁷

In Stock.

978

"Works as described and met our needs."
— Shelli B



Camco Fridge Airator with On/Off Switch - Absorbs by Camco

\$19⁷² ~~\$22³²~~

In Stock.

754

"This unit helps to cool out RV fridge, and it works very well..."
— crossfiregal



TITAN- 12V DC IP55 Waterproof Double Rack by Titan

\$85⁸⁸

In Stock.

19

"Works well mounted on outside of my RV fridge. Whether it helps coolin remains to be seen, but must say it's nice havin that I can control and t are bigger than the one mounted in the rv fridg

— Jack M.

Customer questions & answers

Have a question? Search for answers

Typical questions asked about products:

- Is the item durable?
- Is this item easy to use?
- What are the dimensions of this item?

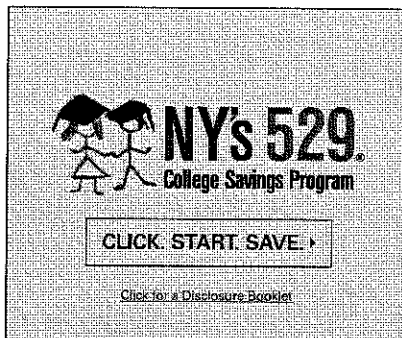
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4 star		0%
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2 star		0%
1 star		0%

Review this product

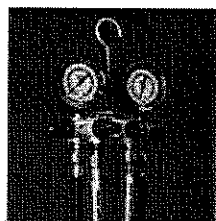
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Ad feedback

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Yellow Jacket 49968 -
TITAN Manifold w/Hoses
and Ball Valves,
R22/404A/410A
\$224.95



Elitech ILD-100 Advanced
Refrigerant Leak Detector
Halogen Leakage Tester
Rechargea...

\$185.99

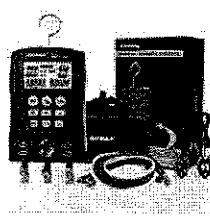
3



Elitech ILD-200 Advanced
Refrigerant Leak Detector
Halogen Leakage Tester
Checker H...

\$199.99

3



BELEY Refrigeration Digital
Manifold HVAC System
Gauge Set, High-Precision
Vacuum P...

\$169.00

5



NewPosition 4CFM 1/3HP
Air Vacuum Pump HVAC
A/C Refrigeration Tool Kit
AC,Auto Repa...

\$125.99

23



Lichamp
R134A (Automatic)
Manifold

\$89.99

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Ad feedback



Ad feedback

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AmazonGlobal
Ship Orders Internationally

Home Services
Handpicked Pros Happiness Guarantee

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Digital Educational Resources

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10/30/2019

Amazon.com: R407C, Refrigerant 407C, Full of R-407C, Net 25LB Tank, Suitable for AC/Single Unit/Multiple Connected Air Conditionin...

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All refrigerant

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R404A, Refrigerant 404A, Full of R-404A, Net 24LB Tank, Suitable for Freezer, Marine/Commercial/Industrial Equipment by Zeiger

Was: \$160.00

Price: \$139.00 & FREE Shipping

You Save: \$21.00 (13%)

Get \$60 off instantly: Pay \$79.00 ~~\$139.00~~ upon approval for the Amazon Prime Store Card. No annual fee.**Note:** Not eligible for Amazon Prime.

- Net 24LB Tank, Full of 404A Refrigerant, USA Made
 - WIDE USE: Being a low temperature applications refrigerant. Mostly seen in food storage freezer, marine equipment, commercial/industrial cryo equipment, transportation refrigeration equipment (refrigerated truck and such). Freeze/condense unit, supermarket display freezers and so on.
- > See more product details

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**PillPack—An Amazon Company**

Your medication, delivered. Learn more >

\$139.00

& FREE Shipping

Arrives: Nov 5 - 8

To Valparaiso

In Stock.

Qty: 1

\$139.00 + Free Shipping

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Buy Now

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Add a Protection Plan:☐ 5-Year Protection for \$65.27

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Kitchen Basics 101
Universal Bathroom Vent
Fan Motor Replacement
Kit | 50 CFM

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\$19.21



A/C Pro Auto Air
Conditioning Recharge
Bundle (3 Piece Kit)

15

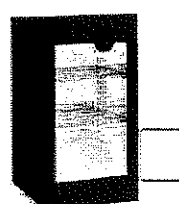
\$57.27



Arctic Freeze Ultra
Synthetic Automotive
Refrigerant 134A (22 oz.)

234

\$34.84



KingsBottle 36"
Commercial Grade
Bar Fridge with
Sliding Glass Door

\$1,895.00

Ad feedback

Have a question?

Find answers in product info, Q&As, reviews

Type your question or keyword

10/30/2019

Amazon.com: R404A, Refrigerant 404A, Full of R-404A, Net 24LB Tank, Suitable for Freezer, Marine/Commercial/Industrial Equipment: ...

Product information

Technical Details

Brand Name	Zeiger
Part Number	R404A-BRAND-7

Technical Specification

Material Safety Data Sheet [pdf]
Specification Sheet [pdf]

Additional Information

ASIN	B07Y2WT9B7
Best Sellers Rank	#411 in Appliances (See Top 100 in Appliances) #13 in Refrigerators
Shipping Information	View shipping rates and policies
Date First Available	September 18, 2019

Warranty & Support

Product Warranty: For warranty information about this product, please click here

Feedback

If you are a seller for this product, would you like to suggest updates through seller support?

Would you like to tell us about a lower price?

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R407C, Refrigerant 407C,
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Tank, Suitable for
AC/Single Unit/Multiple
Connected Air...
\$139.00



3 Cans - REDTEK A/C
Refrigerant (6 Ounce Can)
17
\$37.95



R410a Refrigerant, 25lb
Tank
2
\$129.00



Zeiger R134A Refrigerant,
Full of R-134A, Net 30LB
Tank, 134A Suitable for
Automotive air...
15
2 offers from \$219.99



2 Cans - REDTEK A/C
Refrigerant (6 Ounce Can)
55
\$29.95

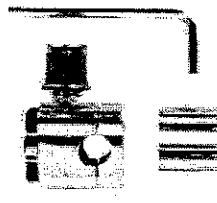
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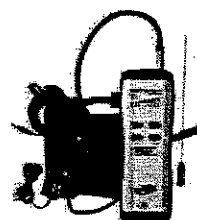
Zeiger R134A Refrigerant,
Full of R-134A, Net 30LB
Tank, 134A Suitable for
Automotive air...
15
2 offers from \$219.99



PENGUIN R410A USA
MADE
113
\$117.00



Supco BPV31 Bullet
Piercing Valve
505
\$3.20



Fieldpiece Heated Diode
Refrigerant Leak Detector
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Refrigeration Technologies
RT201B Nylog
Gasket/Thread Sealant
277
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Product description

R404A Refrigerant, Net 24LB Tank, Full of 404A Refrigerant, USA Made.

Customers recommend

Best refrigerator fans for RVs

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RV Fridge Fan Refrigerator Air Fan Mini Fridge Circulation

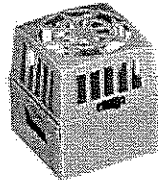
by EZ Travel Collection

\$30⁷⁴

In stock.

17

"Works great in my RV"
— *fabian laskowski*



Valterra 3-Volt FridgeCool Fan, Refrigerator Fan for RV and

by Valterra

\$13⁹⁷

In Stock.

978

"Works as described and met our needs."
— *Shelli B*



Camco Fridge Airator with On/Off Switch - Absorbs

by Camco

\$19⁷² ~~\$22³²~~

In Stock.

754

"This unit helps to cool out RV fridge, and it works very well..."
— *crossfiregal*



TITAN- 12V DC IP55 Waterproof Double Rack

by Titan

\$85⁸⁸

In Stock.

19

"Works well mounted on outside of mr Rv fridge. Whether it helps coolin remains to be seen, but must say it's nice havin that I can control and t are bigger than the one mounted in the rv fridg"
— *Jack M.*

Customer Questions & Answers

[See questions and answers](#)

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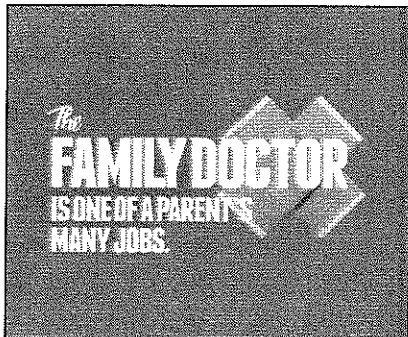
5 star		0%
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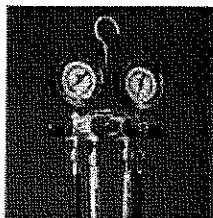
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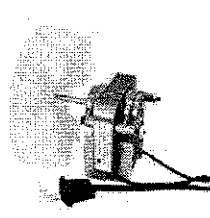
Yellow Jacket 49968 -
TITAN Manifold w/Hoses
and Ball Valves,
R22/404A/410A

\$224.95



Elitech ILD-100 Advanced
Refrigerant Leak Detector
Halogen Leakage Tester
Rechargea...

3
\$185.99



Kitchen Basics 101
Universal Bathroom Vent
Fan Motor Replacement
Kit | 50 CFM

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Janitorial & Facilities

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Education

Material Handling

Materials

Metalworking

**The Halloween Store** Shop candy, costumes, and more[Back to results](#)

by PENGUIN R410A

PENGUIN R410A USA MADE

113 ratings | 35 answered questions

Price: \$117.00 & FREE Shipping

New (4) from \$117.00 + FREE Shipping

Specifications for this item

Brand Name PENGUIN R410A

Number of Items 1

Part Number 410A

UNSPSC Code 53000000

[See more product details](#)

Share

\$117.00

& FREE Shipping

Arrives: Nov 4 - 7

Fastest delivery: Mon, Nov 4

To Valparaiso

In Stock.

Qty: 1

\$117.00 + Free Shipping

Add to Cart

Buy Now

Ships from and sold by
LindeeStuff.

Add to List

Click image to open expanded view

Frequently bought together

+



+



Total price: \$260.24

Add all three to Cart

Add all three to List

One of these items ships sooner than the other. Show details

- ☒ **This item:** PENGUIN R410A USA MADE \$117.00
- ☒ Imperial 535-C Kwik Charge Liquid Low Side Charger \$35.24
- ☒ Yellow Jacket 42004 Series 41 Manifold with 3-1/8" Gauge, psi, R-22/404A/410A \$108.00

Sponsored products related to this item

Page 1 of 25

Have one to sell?

Sell on Amazon

Other Sellers on Amazon

\$118.85

+ Free Shipping

Sold by: deyute

Add to Cart

\$138.49

+ Free Shipping

Sold by: JUST A GOOD STORE

Add to Cart

\$149.00

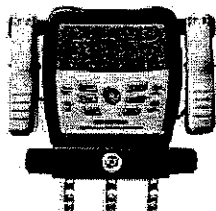
+ Free Shipping

Sold by: Commercial Lighting Services LLC NC

Add to Cart



A/C Pro Auto Air
Conditioning Recharge
Bundle (3 Piece Kit)
15
\$57.27



Fieldpiece SM480V SMAN
Digital Manifold Wireless
Data Logging
24
\$573.75



Arctic Freeze Ultra
Synthetic Automotive
Refrigerant 134A (22 oz.)
234
\$34.84



ZeroR AC Refrige
Cans - Better Thi
Made in USA - N.
Ozone D...
65
\$29.95

Ad feedback

What other items do customers buy after viewing this item?



Imperial 535-C Kwik Charge Liquid Low Side Charger
154
\$35.24



Leak Saver Direct Inject Refrigerant Leak Sealer
84
\$33.99



R410a Refrigerant, 25lb Tank
2
\$129.00



Yellow Jacket 42004 Series 41 Manifold with 3-1/8" Gauge, psi, R-22/404A/410A
221
\$108.00

Have a question?

Find answers in product info, Q&As, reviews

Type your question or keyword

Product features

- R410A

Product description

PENGUIN R410A 251B MADE IN THE USA

Product details

Shipping Weight: 30 pounds (View shipping rates and policies)

Shipping Advisory: This item must be shipped separately from other items in your order. Additional shipping charges will not apply.

ASIN: B06XSCRD3W

Average Customer Review: 98 customer reviews

Amazon Best Sellers Rank: #2,677 in Industrial & Scientific (See Top 100 in Industrial & Scientific)
#7 in HVAC Equipment

Product Warranty: For warranty information about this product, please click here

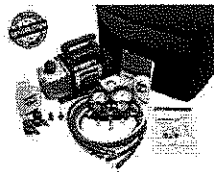
Would you like to **tell us about a lower price?**

Sponsored products related to this item



Elitech ILD-200 Advanced
Refrigerant Leak Detector
Halogen Leakage Tester
Checker H...

49
\$199.99



NewPosition 4CFM 1/3HP
Air Vacuum Pump HVAC
A/C Refrigeration Tool Kit
AC, Auto Repa...

23
\$125.99



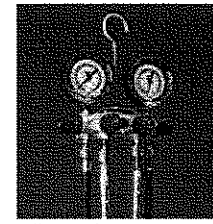
Zeiger R134A Angled
Compact Ball Valve 1/4"
SAE, Suitable for Air
Conditioning Refr...

2
\$29.99



ZeroR AC Refrigerant 3
Cans - Better Than R134a -
Made in USA - Natural Non
Ozone D...

65
\$29.95



Yellow Jacket 49968 -
TITAN Manifold w/Hoses
and Ball Valves,
R22/404A/410A
\$224.95



Fieldpiece
Digital
Data Lo

\$573.79

Ad feedback

Customer Questions & Answers

See questions and answers

Customer reviews

4.7 out of 5

113 customer ratings

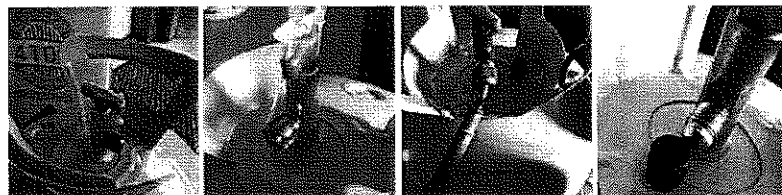
5 star		88%
4 star		4%
3 star		2%
2 star		1%
1 star		4%

Review this product

Share your thoughts with other customers

Write a customer review

Customer images



See all customer images

Read reviews that mention

low side arrived quickly fast shipping system freon air
gas hvac pounds lbs leak cost promised

98 customer reviews

Top Reviews



Marc

Happy! Arrived in 36 hours

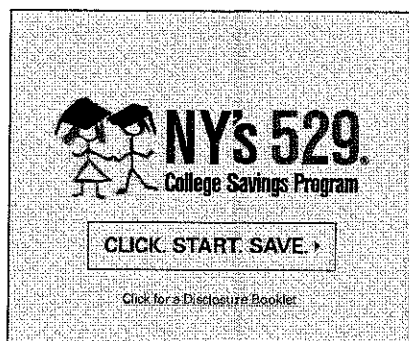
June 25, 2019

Verified Purchase

I've included pictures of the valve because I was concerned about whether I'd need any adaptors. I didn't - a standard fill line fits perfectly.

As noted in the title it came FAST - much faster than I was expecting (I had been told a week).

10/30/2019



Ad feedback

PENGUIN R410A USA MADE: Amazon.com: Industrial & Scientific

Not very well packaged in a flimsy cardboard box but the tank seems tough enough to handle being dropped. It's not heavy-duty like a propane tank but seems perfectly adequate. No apparent damage.

Also worth noting a couple of things:

There's no schrader valve - if you open the green handle refrigerant just comes out.

The green handle is TIGHT. I'm pretty strong but it took me two hands to open it. It was so tight I worried whether it was designed to open and I was going to break it. Fortunately it's counterclockwise to open and

Read more

21 people found this helpful

Helpful

Comment

Report abuse



Curt Wuollet

Worth buying a lifetime supply for the price.

August 2, 2019

Verified Purchase

If you've been looking for the stuff, or got an estimate from someone who wants to maintain your AC, no doubt you've noticed that larceny is rampant. It's unlikely I'll use it all in the foreseeable future, but I'd still rather not encourage ripoffs.

What I got wasn't Penguin brand, but another recognized brand and that's fine. My AC is now running at the proper superheat and can be maintained until end of life without gouging.

18 people found this helpful

Helpful

Comment

Report abuse



Susan Murphy

good refrigerant, great price

June 10, 2019

Verified Purchase

HVAC companies charge 20 times as much per pound of refrigerant. This is a great deal!!!!

15 people found this helpful

Helpful

Comment

Report abuse



Ann P

Came quickly and seemed packaged in new package.

September 6, 2019

Verified Purchase

Worked well to install my minisplit system (Pioneer). Gauges were screwed onto smaller port on vac pump and that later screwed onto tank without issue. Very tight handle, but worked. Used \$25 80 scale from Amazon (Accuteck ShipPro 110lbs x 0.1 oz. Digital Shipping Postal Scale) and old Gauge set for 401a. Just vacuum line (30 minutes since line was 33' instead of 16').... wait 15min to see if p increases. Attach tank to vacuum port (with yellow line evacuated and ALL valves closed)...

I then opened tank valve then yellow hose valve to allow refig into vacuumed out line... then turned tank upside down on scale... then opened High pressure valve (not connected to anything in minisplit- blue line only used) for a second or two to purge any moisture/air out of the line... then I opened blue valve to allow refig into blue hose (valve still closed on end of hose).

Then press 'tare' on scale to zero out and then VERY SLOWLY open the blue valve to allow 401 into system - do this in very small doses and dont overfill it due to inexperience like i did (needed only 2.7oz... in blink of an eye I overfilled to 5.7 oz).

Was complicated to remove excess without any special eqpt and without purging system - Hint: If you reduce pressure down to its vapor/liquid pressure level for your air temp - (find 401 chart online) - you can

Read more

8 people found this helpful

Helpful

Comment

Report abuse

bblhed

R410A delivered to my door

August 15, 2019

Verified Purchase

I was getting tired of having to have the HVAC guys out every two years and seeing as I have a bunch of military HVAC training I figured it was time to use that training and certification for myself. This 25 pounds of R410A will probably last me the rest of my life but for what it cost to have it delivered with a brand new set of gauges I would only get one visit from the HVAC guys. This is not a job for the faint of heart, this stuff can be deadly, you need a place to store this stuff that is reasonably cool and dry. You need more than just a can of refrigerant and a set of gauges, you need other tools and some training. Finally you are supposed to be certified to buy this stuff, I'm not going to complain but I was not asked to provide proof of certification when ordering or when it was delivered, it was just dropped off to my wife who is not certified but had my credentials just in case she needed them.

7 people found this helpful

Helpful

Comment

Report abuse

Loi Le

R410 A

April 30, 2019

Verified Purchase

It's good

9 people found this helpful

Helpful

Comment

Report abuse

Chienmin S.

Arrived quickly in 3 days!!

July 21, 2019

Verified Purchase

I was pleasantly surprised when I learned it will arrive in 3 days and it did. It was hot days and my AC system was very low in refrigerant. After charging, the AC worked a lot better cooling the house. I did purchase a inline vaporizer and it helps to use a hair dryer blow on it to accelerate the process.

5 people found this helpful

Helpful

Comment

Report abuse

mike

worth the price

September 9, 2019

Verified Purchase

It cost 119, but to take the RV somewhere to add refrigerant would have cost much more. If you could even find a place to do it. The ones I called just wanted to replace the entire unit. I just bought a line tap here on Amazon and used my old R12 gauge set to add refrigerant. If you are like me and are not a well educated and equipped technician this is how an old man who use to work on units told me to do. Just tap the low side and slowly, slowly add refrigerant until the low side line starts sweating. Then stop. It is going to cool about as good at this point as it ever would. Do this on a warm day.

2 people found this helpful

Helpful

Comment

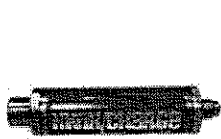
Report abuse

There are 98 customer reviews and 113 customer ratings.

See all 98 customer reviews

Write a customer review

Customers who viewed this item also viewed



Imperial 535-C Kwik
Charge Liquid Low Side
Charger

154
\$35.24



R410a Refrigerant, 25lb
Tank

2
\$129.00



Yellow Jacket 42004 Series
41 Manifold with 3-1/8"
Gauge, psi, R-
22/404A/410A

221
\$119.00



Leak Saver Direct Inject
Refrigerant Leak Sealer

84
\$33.99



Varies R-410A (7.5
Pounds)

5
\$90.00



Ad feedback

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Digital Educational Resources

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Listen to Books & Original Audio Performances

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Great Deals on Quality Used Products

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America's Healthiest Grocery Store

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Deals and Shenanigans

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Shoes & Clothing

[Ring](#)
Smart Home Security Systems

10/30/2019

PENGUIN R410A USA MADE: Amazon.com: Industrial & Scientific

eero WiFi
Stream 4K Video
in Every Room

Neighbors App
Real-Time Crime
& Safety Alerts

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Appendix B



All ▾ ecofreeez

EN

Hello, [redacted]

Account & Lists ▾

Orders

Prime ▾

0

Cart

Deliver to [redacted]

Whole Foods

Browsing History ▾

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Prime Video Stream movies & TV shows

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Sports & Fitness

Outdoor Recreation

Sports Fan Shop

Sports Deals

Outdoor Deals

prime now

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with FREE 2-hour delivery

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◀ Back to results

Lower Priced Items to Consider

Clightight Super Seal Total 972KIT -
Permanently Seals &...

74

\$33.82

Case of 12 cans - REDTEK A/C
Refrigerant (6 Ounce Cans)

40

\$87.95

Leak Savers Direct Inject Refrigerant
Leak Sealer (3 Pack)

84

\$89.95

Is this feature helpful? ☐ Yes ☐ No

Roll over image to zoom in

ecofreeez R22
Replacement -
Engineered superior
Performance in R22
Systems

by ecofreeez

3 ratings

5 answered questions

Note: This item is only available from
third-party sellers (see all offers).

Available from these sellers.

- DESIGNED TO WORK IN ANY R22 SYSTEM WITH SUPERIOR PERFORMANCE OVER R22
- No retrofit necessary - Same Fitting as R22 - Same gauges as R22 - Environmentally Safe
- 100% Natural - No License Required to buy or use

New (1) from \$299.99 & FREE shipping.

Report incorrect product information.

BAGMINE

Your ideal multi-functional cooler bag

Shop now

Bagmine 24 Can Cooler

Ad feedback

To Valparaiso

See All Buying Options

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Have one to sell?

Sell on Amazon

Bargain Finds

FJC 6014 Vacuum
Pump Adapter
FJC
\$3.71
+ Free Shipping
435

View Bargain Finds related to this item

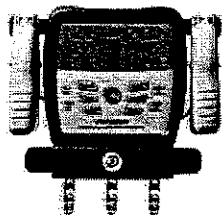
Camping Light & Comfort
with Etekcity Air MattressQueen
ed Inf...

Ad feedback

Sponsored products related to this item

Page 1 of 25





Fieldpiece SM480V SMAN
Digital Manifold Wireless
Data Logging
24
\$573.75



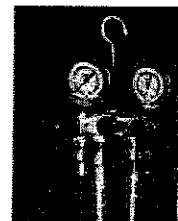
Goodman 594061
Goodman 13 Seer R410A
Air Conditioner 1.5 Ton
1
\$876.32



Elitech WJL-6000 Freon
Leak Detector Halogen
Leak Detector Refrigerant
Gas Leakage ...
315
\$22.99



ZeroR AC Refrigerant 3
Cans - Better Than R134a -
Made in USA - Natural Non
Ozone D...
65
\$29.95



Yellow Jacket 49968
TITAN Manifold w/Ho
and Ball Valves,
R22/404A/410A
\$224.95

Ad feedback

What other items do customers buy after viewing this item?



RED TEK ProSeal22 A/C Seal Treatment (4 oz. can)
29
\$25.95



PENGUIN R410A USA MADE
113
\$117.00



Elitech WJL-6000 Freon Leak Detector Halogen Leak Detector Refrigerant Gas Leakage Tester
315
\$22.99



Mofeez Pro AC A/C Diagnostic Manifold Freon Gauge Set For R134A R12 R22 Refrigerants, with
203
\$35.89

Customers who viewed this item also viewed

Page 1 of 8



RED TEK ProSeal22 A/C
Seal Treatment (4 oz. can)
29
\$25.95



PENGUIN R410A USA
MADE
113
\$117.00



ecofreeez Drop in
replacement for R22 &
Superior Cooling
8
1 offer from \$299.99



Case of 12 cans - REDTEK
A/C Refrigerant (6 Ounce
Cans)
40
\$87.95



Zeiger R134A Refrige
Full of R-134A, Net 3l
Tank, 134A Suitable f
Automotive air...
15
2 offers from \$219.95

Special offers and product promotions

- Get a **\$70 Amazon.com Gift Card** instantly upon approval for the **Amazon Prime Rewards Visa Card** Apply now

Have a question?

Find answers in product info, Q&As, reviews

Type your question or keyword

Product description

DESIGNED TO WORK IN ANY R22 SYSTEM WITH SUPERIOR PERFORMANCE OVER R22 No retrofit necessary - Same Fitting as R22 - Same gauges as R22 - Environmentally Safe - 100% Natural - No License Required to buy or use ecofreeez, is a blend of environmentally safe hydrocarbons refined to pharmaceutical grade engineered to work in any R22 systems. ecofreeez operates at much lower head pressures and offers improved cooling properties, performance and lower amperage usage compared to R22. BENEFITS totally green ecofreeez has similar volumetric effects and is 100% mechanically compatible to R22. Operates at lower head pressures and offers improved cooling properties and performance verses R22. Can be used effectively in R22 refrigeration systems. 1 Ounce of ecofreeez is equal to 2.5 Ounces of R22 Packaged as 30lbs Equivalent - Tanks contains 12 net lbs Use much less and achieve the same or better !!! GET THIS ADDED BONUS!!! Increased energy efficiency up to 40%. Compatible with ALL refrigeration materials and lubricants including R22, metal components, mineral and synthetic(Ester and PAG) lubricants, seals, gaskets, hoses, compressors, and o-rings. 100% natural organic, non-ozone depleting, non-global warming. Non-toxic, non-carcinogen, Flammable - auto ignition temperature above 978 F. No known health risks have been attributed to ecofreeez

Product details

ASIN: B07S38H59M

Average Customer Review:

3 customer reviews

Amazon Best Sellers Rank: #547,779 in Sports & Outdoors (See Top 100 in Sports & Outdoors)
#7636 in Camp Kitchen Equipment

Product Warranty: For warranty information about this product, please click here

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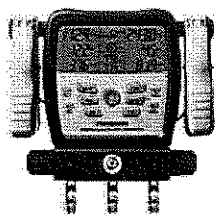
Your name here

Sponsored products related to this item

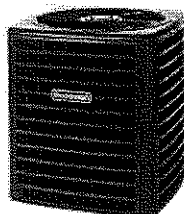
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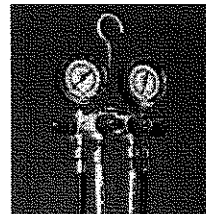
Zeiger R134A Angled
Compact Ball Valve 1/4"
SAE, Suitable for Air
Conditioning Refr..
2
\$29.99



Fieldpiece SM480V SMAN
Digital Manifold Wireless
Data Logging
24
\$573.75



Goodman 594061
Goodman 13 Seer R410A
Air Conditioner 1.5 Ton
1
\$876.32



Yellow Jacket 49968 -
TITAN Manifold w/Hoses
and Ball Valves,
R22/404A/410A
\$224.95



Goodman CAPF3131E
Full-Cased 25 Ton Up
Or Downflow Evaporator
Coil
\$312.00

Ad feedback



Ashley Furniture Signal...
1,894
\$244.45

See details

Ad feedback

Customer questions & answers

Have a question? Search for answers

2
votes

Question: What is the refrigerant number of this stuff?

Answer:

10/30/2019

Amazon.com : ecofreeez R22 Replacement - Engineered superior Performance in R22 Systems : Sports & Outdoors

I dont think there is. I already reported them to Amazon about this is propane not a r-22 replacement. All refrigerants are required by law to be color coded and this obviously isn't and a propane tank. I would stay away, if it is propane your turning your ac into a bomb. They do use propane in refrigeration but the equipment has to be designed to work with it. Do not put it in a regular freon unit. see less
By Kevin Franklin... on August 16, 2019

See more answers (1)

0
votes

Question: this product is gas or liquid?

Answer: It's a liquid in the jug once it is released to atmospheric pressure it turns to a gas
By Kevin Franklin... on August 16, 2019

See more answers (1)

0
votes

Question: How many gallons?

Answer: Refrigerant is measured in pounds, and it was 30 lbs
By Howard Herzog on September 17, 2019

0
votes

Question: Can this R22 work on vehicle a/c

Answer: NO!
By Howard Herzog on September 17, 2019

0
votes

Question: can this product be mixed with the existing r22 in the system.

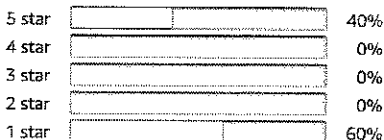
Answer: Its is illegal in the United States to mix any refrigerants per the EPA 608 code, there are no exceptions . If your system fails and you replace it, the refrigerant recovered by the the person or company replacing it for you will charge you a huge extra fee to have the mixed refrigerant burned at a proper disposal facility. That's provided the person doesn't blow up recovering this flammable refrigerant mixed in your system. Specialized equipment must be used to recover flammable refrigerant. This refrigerant is flammable propane and is NOT meant to be used in residential A/C systems because of that fact. If you have no regard for the structure, or life contained within it, or the EPA laws then by all means fill her up, but the better option is to call someone qualified to fix it. Imagine your system has a leak in the coil inside your furnace and as you're filling it up with this flammable gas it is filling your house through that leak. see less
By Mike on September 7, 2019

See more answers (2)

Customer reviews

2.6 out of 5

3 customer ratings



Review this product

Share your thoughts with other customers

Write a customer review

Ad feedback

3 customer reviews

Top Reviews



fred

It works with R22.

August 18, 2019

Verified Purchase

I use it to top off my R22 unit. It is working great.

2 people found this helpful

Helpful

Comment

Report abuse



Thomas meggenhofen

It is propane and illegal to use it in residential units

July 22, 2019

No license requirements because no licensed person would use it it is propane and illegal to use it except for Industrial use

14 people found this helpful

Helpful

Comment

Report abuse



Kevin Franklin

Dangerous

July 24, 2019

I've been in AC forever 25 years and this is not refrigerant, you can see it's a propane tank with a label slapped on it.

12 people found this helpful

Helpful

Comment

Report abuse

[See all 3 customer reviews](#)[Write a customer review](#)

Customers who bought this item also bought



RED TEK ProSeal22 A/C
Seal Treatment (4 oz. can)
29
\$25.95



XtremepowerUS 3CFM
1/4HP Air Vacuum Pump
HVAC R134a R12 R22
R410a A/C Refrigeration...
523
#1 Best Seller in Air
Conditioning Manifolds
\$128.95



Orion Motor Tech 3FT AC
Diagnostic Manifold Freon
Gauge Set for R134a R12,
R22, R502 Refrigerants,...
165
\$24.58



Leak Savers Direct Inject
Dry - Air Conditioning
System Moisture Remover
(Dry Only, No Sealant)
11
\$34.95



PENGUIN R410A USA
MADE
113
\$117.00

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10/30/2019

Amazon.com : ecofreeez R22 Replacement - Engineered superior Performance in R22 Systems : Sports & Outdoors

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Tools & Home Improvement Best Sellers Deals & Savings Gift Ideas Power & Hand Tools Lighting & Ceiling Fans Kitchen & Bath Fixtures Smart Home

You placed an order.
See what happens next. Book a tour

[Back to results](#)**Lower Priced Items to Consider**

Cliplight Super Seal Total 972KIT - Permanently Seals &...

74

\$33.82



Cliplight 981 Super Change Fast and Easy R22 System Retrofit

4

\$50.00



Case of 12 cans - REDTEK A/C Refrigerant (6 Ounce Cans)

40

\$87.95

Is this feature helpful? 

ecofreeez Drop in replacement for R22 & Superior Cooling

by ecofreeez

8 ratings

19 answered questions

Note: This item is only available from third-party sellers (see all offers).

Available from these sellers.

- DESIGNED TO WORK IN ANY R22 SYSTEM WITH SUPERIOR PERFORMANCE OVER R22
 - No retrofit necessary - Same Fitting as R22 - Same gauges as R22 - Environmentally Safe
- [See more product details](#)

New (1) from \$299.99 + FREE Shipping

[Report incorrect product information.](#)

To Valparaiso

[See All Buying Options](#)[Add to List](#)

Share

Have one to sell?

[Sell on Amazon](#)**Bargain Finds**

FJC 6014 Vacuum Pump Adapter
FJC
\$3.71
+ Free Shipping

435

View Bargain Finds related to this item



R

ETEK CITY

Camping Light & Comfort with Etekcity Air Mattress

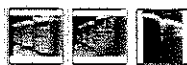
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Etekcity Air Mattress

Uninflated Queen Size

[Ad feedback](#)

Roll over image to zoom in

**Sponsored products related to this item**

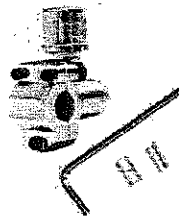
Page 1 of 27



ZeroR AC Refrigerant 3 Cans - Better Than R134a - Made in USA - Natural Non Ozone D...

65

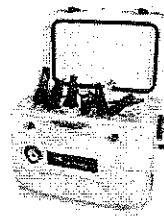
\$29.95



BPV31 Line Tap Piercing Valve TJ90BPV31 for 1/4,5/16,3/8 inch Universal Refrigerato...

3

\$7.99



Sportneer 25 Quart Cooler with Thermometer, Zero Leakage and Extra-Thick Wall for U...

25

Limited time deal

\$124.99

List: \$149.99 (17% off)



XtremeAmazing R22 HVAC Valve Remover Installe with Dual Size S/

4

\$16.59

[Ad feedback](#)

Your Costly Electric Bill

Pioneer WYS012-17 Air Conditioner Inverter+ Ductless Wall Mount Mini Spl...

877

\$768.00

[Ad feedback](#)

What other items do customers buy after viewing this item?



RED TEK ProSeal22 A/C Seal Treatment (4 oz. can)

29

\$25.95



PENGUIN R410A USA MADE

113

\$117.00



Leak Savers Direct inject Refrigerant Leak Sealer with UV Dye

96

\$34.95



Elitech WJL-6000 Freon Leak Detector Halogen Leak Detector Refrigerant Gas Leakage Tester

315

\$22.99

Customers who viewed this item also viewed

Page 1 of 8

RED TEK ProSeal22 A/C
Seal Treatment (4 oz. can)

29

\$25.95

PENGUIN R410A USA
MADE

113

\$117.00

Cliplight 981 Super
Change Fast and Easy R22
System Retrofit

4

\$50.00

ecofreeez R22
Replacement - Engineered
superior Performance in
R22 Systems

3

1 offer from \$299.99

Refrigerant Leak Kit,
to 5 Tons

122

\$115.00

Special offers and product promotions

- Get a **\$70 Amazon.com Gift Card** instantly upon approval for the **Amazon Prime Rewards Visa Card** Apply now

Have a question?

Find answers in product info, Q&As, reviews

Type your question or keyword

Product description

DESIGNED TO WORK IN ANY R22 SYSTEM WITH SUPERIOR PERFORMANCE OVER R22 No retrofit necessary - Same Fitting as R22 - Same gauges as R22 - Environmentally Safe - 100% Natural - No License Required to buy or use ecofreeez, is a blend of environmentally safe hydrocarbons refined to pharmaceutical grade engineered to work in any R22 systems. ecofreeez operates at much lower head pressures and offers improved cooling properties, performance and lower amperage usage compared to R22. BENEFITS totally green ecofreeez has similar volumetric effects and is 100% mechanically compatible to R22. Operates at lower head pressures and offers improved cooling properties and performance verses R22. Can be used effectively in R22 refrigeration systems. 1 Ounce of ecofreeez is equal to 2.5 Ounces of R22 Packaged as 30lbs Equivalent - Tanks contains 12 net lbs Use much less and achieve the same or better !!! GET THIS ADDED BONUS!!! Increased energy efficiency up to 40%. Compatible with ALL refrigeration materials and lubricants including R22, metal components, mineral and synthetic(Ester and PAG) lubricants, seals, gaskets, hoses, compressors, and o-rings. 100% natural organic, non-ozone depleting, non-global warming. Non-toxic, non-carcinogen, Flammable - auto ignition temperature above 978 F. No known health risks have been attributed to ecofreeez

Product information

Technical Details

Additional Information

Part Number

K

ASIN

B072ZZ83L8

10/30/2019

Amazon.com: ecofreeez Drop in replacement for R22 & Superior Cooling: Home Improvement

Batteries Included? No

Batteries Required? No

Customer Reviews

8 ratings

2.8 out of 5 stars

Best Sellers Rank

#168,413 in Tools & Home Improvement (See Top 100 in Tools & Home Improvement)
#2,291 in Camp Kitchen Equipment

Date First Available

May 15, 2019

Warranty & Support

Product Warranty: For warranty information about this product, please click here

Feedback

If you are a seller for this product, would you like to suggest updates through seller support?

Would you like to tell us about a lower price?

Related video shorts (0) Upload your video



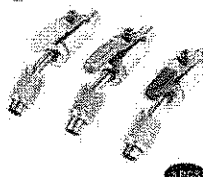
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Your name here

Sponsored products related to this item

Page 1 of 29

Zeiger R134A Angled Compact Ball Valve 1/4" SAE, Suitable for Air Conditioning Refr...



Zeiger R134A Angled Compact Ball Valve 1/4" SAE, Suitable for Air Conditioning Refr...

2

\$29.99



Hapco Products - Pro-Seal - 8 oz.

65

\$18.99



ZeroR AC Refrigerant 3 Cans - Better Than R134a - Made in USA - Natural Non Ozone D...

65

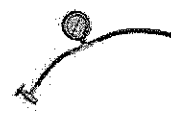
\$29.95



Elitech ILD-100 Advanced Refrigerant Leak Detector Halogen Leakage Tester Rechargea...

3

\$185.99



Oileus R22 R12 Refrigerant Recharge With Guage, Easy Op And Cooper Material,

7

\$16.99

Ad feedback



Your medication, delivered

Learn more >

465

Add to Cart

Ad feedback

Customer questions & answers

Have a question? Search for answers

10/30/2019

Amazon.com: ecofreeez Drop in replacement for R22 & Superior Cooling: Home Improvement

- 0 votes
- Question:** It's in full freon from manufacturer original sealed, Isn't?
- Answer:** Its not freon its a hydrocarbon refrigerant which is better than R22
By Ya H on July 17, 2019
- 0 votes
- Question:** If this is r290 "propane" why can't you just put propane into your ac system?
- Answer:** Yes it is R290 is Propane, they just sell it for 10 times, i have one and i will let it go for less
By HR F. on July 7, 2019
See more answers (2)
- 0 votes
- Question:** Isn't this a propane based refrigerant.
- Answer:** This is actual propane, there is not that much different between tjis and the one you buy from Wal-Mart @\$17, It is just dry and contains less carry over (oil & other light HC), oh one more thing they sell this one 20 times, I have one sealed I am letting it go for 1/3
By HR F. on July 10, 2019
See more answers (1)
- 0 votes
- Question:** Is this compatible with R22 systems?
- Answer:** Yes, it is compatible R22 systems
By buy_use SELLER on March 27, 2019
- 0 votes
- Question:** Will you sell me just one please
- Answer:** Hello
This item just one in box.
By buy_use SELLER on July 31, 2017
- 0 votes
- Question:** How many pounds are in a cylinder?
- Answer:** 12 Net lbs which is equivalent to 30lbs of R22
By Ya H on July 17, 2019
- 0 votes
- Question:** can this be used to top off R22 in an already charged R22 systems?
- Answer:** Yes. it is 100% mechanically compatible with R22
By Ya H on July 17, 2019
- 0 votes
- Question:** does this mix with R22 ?? can it be used to top off older systems??
- Answer:** Yes, it can mix with R22, I bought specifically for that reason.
By Alan E Heist on September 6, 2019
See more answers (1)
- 0 votes
- Question:** Is it framable. yes or no
- Answer:** Flammable. Yes
By Gerald Jones on August 4, 2019
- 0 votes
- Question:** Do you have M099 freon
- Answer:** No i am not the seller
By HR F. on July 7, 2019
- 0 votes
- Question:** Does it contain the oil already in it. Or do I have to also add oil.
- Answer:** I dont really know, but you can use ISO-68, you R-22 oil in your system should be fine.
By HR F. on July 7, 2019
- 0 votes
- Question:** Is this propane?
- Answer:** This is NOT barbecue propane. It is a hydrocarbon refrigerant.
By Ya H on July 17, 2019
Yes
By HR F. on July 7, 2019

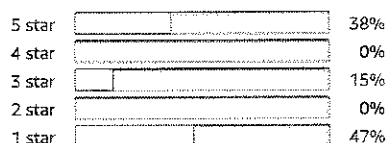
Collapse all answers

See all questions (7)

Customer reviews

2.8 out of 5

8 customer ratings



Review this product

Share your thoughts with other customers

Write a customer review

465

Add to Cart

Ad feedback

8 customer reviews

Top Reviews



Amazon Customer

returns if necessary and honesty

August 15, 2019

Verified Purchase

amazon is so awesome and the staff is great and thank you amazon for all you do

2 people found this helpful

Helpful

Comment

Report abuse



Amazon Customer

Very dissatisfied

October 6, 2019

Verified Purchase

This product was likely a total deception . It was advertised as a legitimate refrigerant but was delivered in a propane tank. It was also marked like a propane tank as flammable . To top it off you get stuck with the return shipping cost.

Helpful

Comment

Report abuse



fullmetaljacket

Its illegal to use in A/C systems

January 13, 2019

EPA's SNAP Rule 21 listed as unacceptable (prohibited) refrigerant products sold as 22a and all refrigerants identified as flammability Class 3 in ANSI/ASHRAE Standard 34-2013 for retrofitting residential and light commercial unitary split AC and heat pumps. These are the units on the side of a house typically referred to as "central air conditioning." There have been fines of up to 100k plus for sale with intent of it being used as a refrigerant.

17 people found this helpful

Helpful

Comment

Report abuse



LK

This product is just propane

May 2, 2019

FYI - this product is R-290 which is propane, but at about ten times the cost.

15 people found this helpful

Helpful

Comment

Report abuse



365Lusso

It's Propane

June 12, 2019

EF-22a is correctly labeled as ef-R290--see ecofreeez.com/ef22.html. R290 is PROPANE (see r290propane.com, click 'Info')--buyers should know this fact.

10 people found this helpful

Helpful

Comment

Report abuse



Minus5

Try before you rate!

June 23, 2019

So the people giving this 1 star must be the same ones charging \$300 for r22 when your ac needs to be recharged. They didn't actually buy the product and try it.

8 people found this helpful

Helpful

Comment

Report abuse



Dan Gahman

Works great

February 25, 2019

Works great for central air. Just as good as R22 but much cheaper!

8 people found this helpful

Helpful

Comment

Report abuse



Farley R.

Condition of law vs common sense

March 23, 2019

While EPA rule 21 might have been in effect during Obama Red Tape ERA, the relaxed rules now leave this rule in limbo. I certainly have reservations to mixing refrigerant. And as far as flamability i am concerned as to the explosive nature of a system that has any refrigerant in it. And futher concern as to future repairs or replacing parts that require braising or open flame to execute. Im not giving a better rating because i know so little about this refrigerant.

One person found this helpful

Helpful

Comment

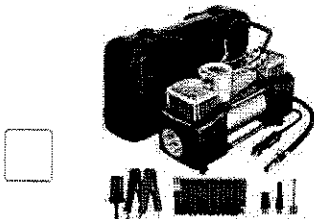
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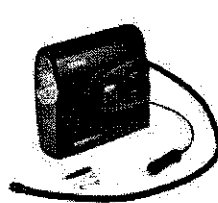
Page 1 of 3



Yome Portable Dual
Cylinder Air Compressor
Pump, 12V Heavy Duty
Portable Air Pump with...

343

\$39.99



AmazonBasics Compact
Portable 12-Volt Air
Compressor with Carrying
Case

135

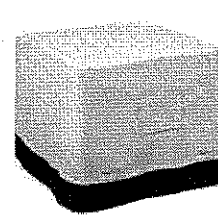
\$34.99



AmazonBasics Portable Air
Conditioner with Remote -
Cools 300 Square Feet,
8,000 BTU

77

2 offers from \$218.58



AmazonBasics Outdoor
Square Air Conditioner
Patio Cover

129

\$25.70



AmazonBasics Wheel
Brush, Short Handle

105

\$6.79

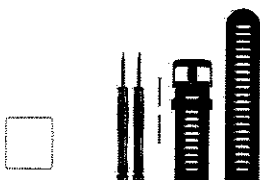


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Ad feedback

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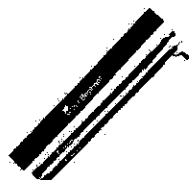
Page 1 of 7



Garmin Replacement
Watch Bands - Black

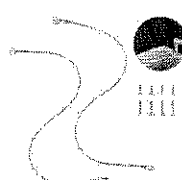
273

\$24.91



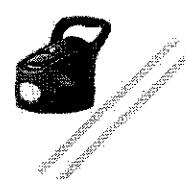
Green Elephant
Telescoping TarP Poles Set
of 2 - Adjustable
Aluminum Rods for...

326



AIEVE Replacement Lid
Strap for Coleman
Coolers, Heavy Duty
Stainless Steel Cooler...

31



Contigo Autospout
Addison/Waveland/Sheffie
Id Replacement Water
Bottle Lid - Charcoal...

35

\$49.99

\$11.99

\$10.99

Page 1 of 2

Customers who searched for "refrigerant" ultimately bought



Arctic Freeze Ultra
Synthetic Automotive
Refrigerant 134A (22 oz.)
234
\$34.84



InterDynamics A/C Pro
ACP200-6 Ultra Synthetic
A/C Recharge R-134a Kit
(20 Ounces)
300
\$32.80



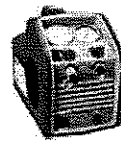
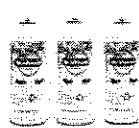
ZeroR R-134a Refrigerant -
Made in USA - 12oz Cans
(3)
74
\$25.95



ZeroR AC Refrigerant 6
Cans - Better Than R134a -
Made in USA - Natural Non
Ozone Depleting
79
\$38.95

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Amazon Drive
Cloud storage
from Amazon

6pm
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AbeBooks
Books, art
& collectibles

ACX
Audiobook
Publishing
Made Easy

Alexa
Actionable Analytics
for the Web

Amazon Business
Everything For
Your Business

Amazon Fresh
Groceries & More
Right To Your
Door

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Ship Orders
Internationally

Home Services
Handpicked Pros
Happiness
Guarantee

Amazon Inspire
Digital Educational
Resources

Amazon Rapids
Fun stories for
kids on the go

Amazon Web
Services
Scalable Cloud
Computing Services

Audible
Listen to Books &
Original
Audio Performances

Book
Depository
Books With Free
Delivery
Worldwide

Box Office Mojo
Find Movie
Box Office Data

ComiXology
Thousands of
Digital Comics

CreateSpace
Indie Print
Publishing
Made Easy

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Photography

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Designer Men's
Fashion

Fabric

Goodreads

IMDb

IMDbPro

Kindle Direct

Prime Now

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10/30/2019

Amazon.com: ecofreeez Drop in replacement for R22 & Superior Cooling: Home Improvement

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Prime Video Direct Video Distribution Made Easy	Shopbop Designer Fashion Brands	Amazon Warehouse Great Deals on Quality Used Products	Whole Foods Market America's Healthiest Grocery Store	Woot! Deals and Shenanigans	Zappos Shoes & Clothing	Ring Smart Home Security Systems
eero WiFi Stream 4K Video in Every Room	Neighbors App Real-Time Crime & Safety Alerts	Subscribe with Amazon Discover & try subscription services	PillPack Pharmacy Simplified	Amazon Renewed Like-new products you can trust	Amazon Second Chance Pass it on, trade it in, give it a second life	

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Amazon.com: ecofreeez Drop in replacement for R22 & Superior Cooling: Home Improvement

Appendix C



All ▾ r22 replacement

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**The Halloween Store** Shop candy, costumes, and more[Back to results](#)

Ecofreeez ef-R290 Hydrocarbon Refrigerant, Completely Natural & Environmental Friendly, Non Ozone DEPELTING, Made in The USA, 8 oz cans (3 Pack)

by Ecofreeez

Price: **\$44.99 + FREE Shipping**

Get \$70 off instantly. Pay \$0.00
~~\$44.99~~ upon approval for the Amazon Prime Rewards Visa Card. No annual fee.

Note: Not eligible for Amazon Prime.

Size: 3 Pack

1 Pack	2 Pack	3 Pack
\$24.95	\$36.99	\$44.99
6 Pack		
\$79.99		

- ef-R290 is a highly concentrated Hydrocarbon formula that requires less in the system which in turn allows the compressor to work less therefore extending its life, while at the same time achieving same or better cooling.
- ECO FRIENDLY, REFRIGERATE NATURALLY AND EFFICIENTLY: EF-134a is completely natural & ecofriendly and is NOT harmful to the environment. Mixes with all oils. Non Ozone Depleting
- SAFE AND MULTI PURPOSE USE: Approved by US EPA for new food refrigerators, Food Freezers- Stand-alone units, some industrial applications, and new room air conditioners
- One of the key benefits of ecofreeez EF-R290 is the reduction in refrigerant charge. Compared to R22, EF-R290 results in a 40% reduction in refrigerant charge. 1 ounce of EF-R290 is equivalent to 2.5 ounces of R22.
- Excellent alternative for R22. EF-R290 is a good replacement for R22.

[See more product details](#)

\$44.99

& FREE Shipping

Arrives: Nov 5 - 7

To Valparaiso

In Stock.

Qty: 1

\$44.99 + Free Shipping

Add to Cart

Buy Now

Ships from and sold by Today's Deals.

Add to List

New (1) from
 \$44.99 + FREE Shipping

Share

Have one to sell?

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Supco BPV31 Bullet
 Piercing Valve...

Supco

\$3.20

+ Free Shipping

505



OrionMotorTech
 R134A Can Tap Val...

OrionMotorTech

\$8.99

+ Free Shipping

110



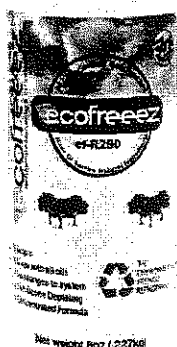
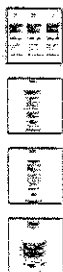
Johnsen's (6312) R-
 134a A/C Refri...

Johnsen's

\$10.89

+ Free Shipping

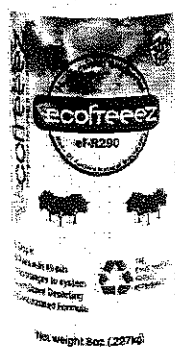
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Net weight 8oz (227g)



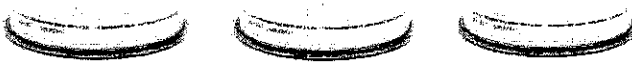
Net weight 8oz (227g)



Net weight 8oz (227g)

10/30/2019

Amazon.com: Ecofreeez ef-R290 Hydrocarbon Refrigerant, Completely Natural & Environmental Friendly, Non Ozone DEPELTING, Ma...



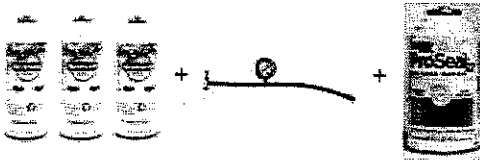
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300	65		65	40
\$32.77	\$29.95	\$24.70	\$18.99	\$55.95

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Product information

Size: 3 Pack

Technical Details

Brand	Ecofreeez
Manufacturer Part Number	EF-R290

Additional Information

ASIN	B07VVDZMF1
Best Sellers Rank	#394,872 in Automotive (See Top 100 in Automotive) #61 in Refrigerants
Shipping Information	View shipping rates and policies
Date First Available	July 31, 2019

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Product description

Size: 3 Pack

Ecofriendly natural refrigerant -The boiling points of EF-R290 and R22 are very close matches, 107.78°F and 105.44°F respectively. The evaporating temperatures of R22 and EF-R290 are also similar -105.44°F and -107.78°F. This means EF-R290 can use the same evaporator design as R22. ecofreeez EF-R290 also has a lower discharge temperature than R22, which improves compressor reliability, and can work at higher pressure ratios. Excellent thermodynamic properties leading to high energy efficiency - Excellent alternative for R22. EF-R290 is a good replacement for R22. The boiling points of EF-R290 and R22 are very close matches, 107.78°F and 105.44°F respectively. The evaporating temperatures of R22 and EF-R290 are also similar -105.44°F and -107.78°F. This means EF-R290 can use the same evaporator design as R22. ecofreeez EF-R290 also has a lower discharge temperature than R22, which improves compressor reliability, and can work at higher pressure ratios. - One of the key benefits of ecofreeez EF-R290 is the reduction in refrigerant charge. Compared to R22, EF-R290 results in a 40% reduction in refrigerant charge. 1 ounce of EF-R290 is equivalent to 2.5 ounces of R22. - EF-R290 can be charged from either the liquid and vapor phase. - Non ozone depleting - made in the USA - Substitute R22 with EF-R290. R22 (called Freon) is widely used in air condition field because it has excellent physical property and thermal cycle ability in air condition & refrigeration units. ... So it is a better alternative for R22 than R407C and R410A. - ecofreeez EF-R290 is an environmentally benign refrigerant. It's a hydrocarbon refrigerant with the global warming potentials (GWP) which are considerable lower than fluorinated refrigerants. ecofreeez EF-R290 has a GWP of 3, which is relatively insignificant when you look at R22, which has global warming potentials of up to 1,810. Ecofreeez EF-R290 also has lower discharge temperatures, improving the system reliability.

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Seal Treatment (4 oz. can)
29
\$25.95



3 Cans - REDTEK A/C
Refrigerant (6 Ounce Can)
17
\$37.95



2 Cans - REDTEK A/C
Refrigerant (6 Ounce Can)
55
\$29.95



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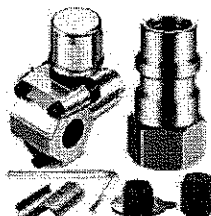
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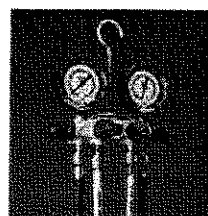
InterDynamics A/C Pro
ACP200-6 Ultra Synthetic
A/C Recharge R-134a Kit
(20 Ounces)
300
\$32.77



Hapco Products - Pro-Seal
- 8 oz.
65
\$18.99



2 Packs A/C Retrofit Valve
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R12 to R134a Fit 7/16 Inch
Low SI...
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Yellow Jacket 49968 -
TITAN Manifold w/Hoses
and Ball Valves,
R22/404A/410A
\$224.95



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Question: Isn't this just propane? Why does it cost so much?

Answer: It's just propane, which is why it costs so much. Standard HD-5 propane is anywhere between 90-99% pure, and includes an odor additive. Refrigerant-grade propane is (supposed to be) >99% pure, no odor additive, no moisture.
By J. Gardner on September 1, 2019

It's just propane, which is why it costs so much. Standard HD-5 propane is anywhere between 90-99% pure, and includes an odor additive. This stuff is >99% pure, no odor additive, no moisture.
By J. Gardner on September 1, 2019

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