

# TECH TIP # 63



One of a series of dealer contractor technical advisories prepared by HARDI wholesalers as a customer service.

## Refrigeration Retrofit Resources

A short list of technical resources compiled by the HARDI Refrigeration Systems Council

### – REFRIGERANTS –

#### EPA Acceptable Substitutes

800-296-1996

[www.epa.gov/docs/ozone/snap/refrigerants/reflist.pdf](http://www.epa.gov/docs/ozone/snap/refrigerants/reflist.pdf)

#### Approved National Reclaimers

(See national list, page 3)

### Refrigerant Manufacturer Websites

#### Atofina

[www.forane.com](http://www.forane.com)

#### DuPont

[www.suva.dupont.com](http://www.suva.dupont.com)

#### Dynatemp International

[www.DynatempIntl.com](http://www.DynatempIntl.com)

#### Honeywell Refrigerants

[www.genetron.com](http://www.genetron.com)

### – CONTROL DEVICES & SPECIALTIES –

#### ALCO Controls

314-569-4500

314-567-2137 Fax

[www.alcocontrols.com](http://www.alcocontrols.com)

#### Henry Technologies

708-844-1100

708-344-0026 Fax

[www.henrytech.com](http://www.henrytech.com)

#### Parker-Hannifin Corp.

216-896-3000

216-896-4008 Fax

[www.parker.com](http://www.parker.com)

#### Danfoss

410-931-8250

410-931-8256 Fax

[www.danfoss.com](http://www.danfoss.com)

#### Johnson Controls

800-275-5676

800-356-1191 Fax

[www.johnsoncontrols.com](http://www.johnsoncontrols.com)

#### Ranco

614-873-9200

614-873-9270 Fax

[www.climate.invensys.com](http://www.climate.invensys.com)

#### Sporlan Valve Co.

636-239-1111

636-239-9130 Fax

[www.sporlan.com](http://www.sporlan.com)

### – LUBRICANTS –

#### BVA

800-231-3376

248-348-2684 Fax

[www.bva oils.com](http://www.bva oils.com)

#### Nu-Calgon

800-554-5499 (Phone & Fax)

[www.nucalgon.com](http://www.nucalgon.com)

#### Uniqema Emkarate

**Lubricants**

800-424-2024

302-574-2790 Fax

[www.emkaraterl.com](http://www.emkaraterl.com)

#### Castrol

#### Copeland

#### Virginia KMP

800-636-6588  
630-241-4140 Fax  
[www.castrolindustrial.com](http://www.castrolindustrial.com)

937-498-3011  
937-498-3334 Fax  
[www.copeland-corp.com](http://www.copeland-corp.com)

214-330-7731  
800-285-8567  
[www.virginiakmp.com](http://www.virginiakmp.com)

**Exxon-Mobile Corp.**  
EAL Artic 22  
800-662-4525

**Witco**  
203-552-3472  
203-552-2877 Fax

**- COMPRESSORS -**

**Copeland**  
937-498-3011  
937-498-3334 Fax  
[www.copeland-corp.com](http://www.copeland-corp.com)

**Tecumseh**  
517-423-8790  
517-423-8526 Fax  
[www.tecumseh.com](http://www.tecumseh.com)

**COMMERICAL REFRIGERATION MANUFACTURERS**

**Baker Company, Ltd.**  
319-293-3777  
319-298-3776 Fax  
[www.bakercompany.com](http://www.bakercompany.com)

**Hill-Phoenix**  
770-285-3261  
770-285-3080 Fax  
[www.hillphoenix.com](http://www.hillphoenix.com)

**Kysor-Warren**  
800-866-5596  
706-568-8990 Fax  
[www.kysor.com](http://www.kysor.com)

**Bohn Refrigeration**  
770-465-5600  
770-465-6018 Fax  
[www.heatcrafttrpd.com](http://www.heatcrafttrpd.com)

**Hussmann**  
314-291-2000  
314-298-4756 Fax  
[www.hussmann.com](http://www.hussmann.com)

**Tyler Refrigeration**  
269-683-2000  
269-684-9802 Fax  
[www.tylerrefrigeration.com](http://www.tylerrefrigeration.com)

**Columbus Show Case Co.**  
614-850-1460  
614-850-0741 Fax  
[www.columbusshowcase.com](http://www.columbusshowcase.com)

**KeepRite**  
602-268-8257  
602-268-0540 Fax  
[www.keeperrefrigeration.com](http://www.keeperrefrigeration.com)

**Zero Zone**  
763-398-1996  
763-398-1998 Fax  
[www.sysref.com](http://www.sysref.com)

**Federal Industries**  
608-424-3321  
608-424-3234 Fax  
[www.federalind.com](http://www.federalind.com)

**CODES & STANDARDS**

<p><b>Underwriters Laboratories</b>  708-272-8800  708-272-8129 Fax  <a href="http://www.ul.com">www.ul.com</a></p>	<p><b>UL 2170, 2171 &amp; 2172</b> – Field Conversion/Retrofit of Products to Change to an Alternative Refrigerant – Construction &amp; Operation, Insulating Materials &amp; Refrigerant Compatibility, Procedures &amp; Methods</p> <p><b>Directory</b> of Certified Commercial Refrigerant Recovery/Recycling Equipment</p>
<p><b>Air-Conditioning &amp; Refrigeration Institute</b>  703-524-8800  703-528-3816 Fax  <a href="http://www.ari.org">www.ari.org</a></p>	<p><b>ARI Standard 700</b> – Specification for Fluorocarbon Refrigerants</p> <p><b>ARI Standard 740</b> – Refrigerant Recovery/Recycle Equipment</p> <p><b>Guideline K</b> – Containers for Recovered Fluorocarbon</p> <p><b>Guideline N</b> – Assignment of Refrigerant Color Containers</p> <p><b>Directory</b> of Certified Refrigerant Recovery/Recycling Equipment</p> <p><b>Directory</b> of Certified Reclaimed Refrigerants</p> <p><b>Industry Recycling Guide</b> – handling and Reuse of refrigerants in the United /States (IRG-2)</p>
<p><b>American Society of Heating, Refrigerating &amp; Air-Conditioning Engineers</b>  404-636-8400  404-321-5478 Fax  <a href="http://www.ashrae.org">www.ashrae.org</a></p>	<p><b>ASHRAE Standard 15</b> – Safety Code for Mechanical Refrigeration</p> <p><b>ASHRAE Standard 34</b> – Number Designation and Safety Classification of Refrigerants</p> <p><b>ASHRAE Guideline 3</b> – Reducing Emissions of Halogenated Refrigerants in Refrigeration &amp; A/C Systems</p>

### EPA Approved NATIONAL Refrigerant Reclaimers

For complete list: [www.epa.gov/Ozone/title6/608/reclamation/reclist.html](http://www.epa.gov/Ozone/title6/608/reclamation/reclist.html)

<b>Reclaimer</b>	<b>Location</b>	<b>Contact</b>	<b>ARI Certified</b>
<b>Absolute Chiller Services Inc.</b>	Arvin, CA	Curtis Arthur 800-393-7366	No
<b>AeroSys, Inc.</b>	Fredrick, MD	Jim Garrett 301-620-0002	Yes
<b>Atofina Chemicals</b>	Philadelphia, PA	Monique L. Rambo 800-343-7940	Yes
<b>Certified Refrigerant Services</b>	Punta Gorda, FL	Jeanne Roland 941-637-6300	No
<b>CFC Refimax LLC</b>	Marietta, GA	Doug Romine 800-406-2292	Yes
<b>Coolgas</b>	East Houston, TX	Jesse Combs 281-977-2300	No
<b>Environment First, Inc.</b>	Jefferson, IN	F. Timothy Dean 405-340-5897	No
<b>Gartech Refrigerant</b>	Dallas, TX	Bill Green 214-349-4772	No
<b>Gulf Coast Refrigerants, Inc.</b>	Clearwater, FL	Julie M. Olsen 813-572-1522	No
<b>Honeywell Intl.</b>	Baton Rouge, LA	Brian Berger 225-346-3618	Yes
<b>Hudson Technologies Co.</b>	Punta Gorda, FL Charlotte, NC Rantoul, IL	Steve Mandracchia 800-8227386 FL 704-394-9491 NC 800-290-4908 IL	Yes
<b>J.R.'s Appliance Disposal, Inc.</b>	Inver Grove Heights, MN	James Zeien 800-358-6563	Yes
<b>National Refrigerants, Inc.</b>	Philadelphia, PA	Maureen Beatty 800-262-0012	Yes
<b>Perfect Circle CFC Group</b>	Red Oak, TX	David Andrew 972-576-2200	No
<b>Polar Refrigerant Technology</b>	South Hampton, NH	Ted Atwood 603-394-8041	Yes
<b>Pure Chem, Inc./Refrigerant Resources Co.</b>	Colleyville, TX	Chris Ludwig 817-283-4759	No
<b>Reclamation Technologies, Inc.</b>	Spring Lake, MN	Kevin Schatz 763-785-0686	No
<b>Refrigerant Exchange Corp.</b>	Irwindale, CA	Gordon Pal 626-813-1430	No
<b>Refrigerant Management Technologies, Inc</b>	Pasadena, TX	James Todack 281-478-5553	No
<b>Refrigerant Products L.L.C.</b>	Oklahoma City, OK	Robert G. Hall	No

		405-236-4255	
<b>Refrigerant Recovery Services of Nevada</b>	North Las Vegas, NV	John Thomson 702-644-3993	Yes
<b>Refrigerant Recovery, Inc.</b>	Milwaukee, WI	Floyd Ott 414-643-7740	No
<b>Refron, Inc.</b>	Long Island, NY	Fran Besdin 800-4-REFRON	Yes
<b>RemTec International</b>	Holland, OH	Richard Marcus 419-867-8990	Yes
<b>Rocky Mountain Reclamation, Inc.</b>	Denver, CO	Jennifer Regan 303-366-1226	No
<b>Specgas, Inc.</b>	Ivyland, PA	Alfred Boehm 215-906-9722	No
<b>United States Refrigerant Reclamation</b>	Evansville, IN	E. Lon Walters 337-867-6627	Yes
<b>Welch's Refrigeration H.V.A.C.</b>	Canton, OH	Tom Welch 330-494-8523	No

## REFRIGERANT/OIL COMBINATIONS

Refrigerant Category	ASHRAE #	Oil Type
CFC	R-11 R-12 R-13 R-500 R-502 R-503	AB or MO
HCFC	R-22 R-123 R-124 R-401A, R -401B R-402A, R-402B R-406A R-408A R-409A R-414A, R-414B R-416A	AB, POE or MO AB or MO AB AB, POE or (MO) AB or POE AB or MO AB, POE or (MO) AB, POE or (MO) AB, POE or (MO) POE
HFC	R-23 R-134a (stationary) R-404A R-407C, R-407D R-410A R-507A	POE
PFC	R-508A, R-508B	POE

Published by the Independent Study Institute, a division of the Heating, Airconditioning & Refrigeration Distributors International. The Institute offers accredited, industry training courses in HVAC/R technology. Direct inquiries to HARDI 3455 Mill Run Drive, Ste. 820, Columbus, OH 43026. Phone 888/253-2128 (toll free) · 614/345-4328 · Fax 614/345-9161

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