

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

Approved National Reclaimers

(See national list, page 3)

Refrigerant Manufacturer Websites

Atofina

www.forane.com

DuPont

www.suva.dupont.com

Dynatemp International

www.DynatempIntl.com

Honeywell Refrigerants

www.genetron.com

– CONTROL DEVICES & SPECIALTIES –

ALCO Controls

314-569-4500

314-567-2137 Fax

www.alcocontrols.com

Henry Technologies

708-844-1100

708-344-0026 Fax

www.henrytech.com

Parker-Hannifin Corp.

216-896-3000

216-896-4008 Fax

www.parker.com

Danfoss

410-931-8250

410-931-8256 Fax

www.danfoss.com

Johnson Controls

800-275-5676

800-356-1191 Fax

www.johnsoncontrols.com

Ranco

614-873-9200

614-873-9270 Fax

www.climate.invensys.com

Sporlan Valve Co.

636-239-1111

636-239-9130 Fax

www.sporlan.com

– LUBRICANTS –

BVA

800-231-3376

248-348-2684 Fax

www.bva oils.com

Nu-Calgon

800-554-5499 (Phone & Fax)

www.nucalgon.com

Uniqema Emkarate

Lubricants

800-424-2024

302-574-2790 Fax

www.emkaraterl.com

Castrol

Copeland

Virginia KMP

800-636-6588
630-241-4140 Fax
www.castrolindustrial.com

937-498-3011
937-498-3334 Fax
www.copeland-corp.com

214-330-7731
800-285-8567
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

Tecumseh
517-423-8790
517-423-8526 Fax
www.tecumseh.com

COMMERICAL REFRIGERATION MANUFACTURERS

Baker Company, Ltd.
319-293-3777
319-298-3776 Fax
www.bakercompany.com

Hill-Phoenix
770-285-3261
770-285-3080 Fax
www.hillphoenix.com

Kysor-Warren
800-866-5596
706-568-8990 Fax
www.kysor.com

Bohn Refrigeration
770-465-5600
770-465-6018 Fax
www.heatcrafttrpd.com

Hussmann
314-291-2000
314-298-4756 Fax
www.hussmann.com

Tyler Refrigeration
269-683-2000
269-684-9802 Fax
www.tylerrefrigeration.com

Columbus Show Case Co.
614-850-1460
614-850-0741 Fax
www.columbusshowcase.com

KeepRite
602-268-8257
602-268-0540 Fax
www.keepriterefrigeration.com

Zero Zone
763-398-1996
763-398-1998 Fax
www.sysref.com

Federal Industries
608-424-3321
608-424-3234 Fax
www.federalind.com

CODES & STANDARDS

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

EPA Approved NATIONAL Refrigerant Reclaimers

For complete list: www.epa.gov/Ozone/title6/608/reclamation/reclist.html

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

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

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www.hardinet.org