# Visit the Department of Safety & Professional Services Website



# http://dsps.wi.gov

After entering the website above, click on Programs and select Refrigeration Systems (mechanical) from the A-Z Program List

You can now conveniently obtain for view or print:

- Statutes / Code copy, Chapter SPS 345
- Staff Contact Info, Inspector Map
- Refrigeration Forms, "SBD-34 or SBD-5204"
- Join email group, for automatic code updates
- Find Status of your Credential, "HVAC"



# CODE CHAPTER REFERENCE

SPS Chapter 305, Credentials:

- WI HVAC Contractor Registration
- Federal EPA 608 Certification Required by Federal Rules
- Contact EPA hotline 1-800-296-1996

SPS Chapter 345, Mechanical Refrigeration:

- Registration of Installation
- Referenced National Standards
- Initial and/or Periodic Inspection
- Owner responsibility to obtain and maintain a Permit to Operate "PTO"
- Installation & Operation Requirements
- System Signage, Labels or Markings

### Definitions:

<u>Certified Inspector</u> – Person who holds a valid credential issued by the department under ch SPS 305 as a certified boiler-pressure vessel inspector. <u>Inspection</u> – A unit or system inspection to assure construction / installation meets applicable codes. <u>HVAC Contractor</u> - Business registration required for servicing an ozone-depleting refrigerant system.

Ozone-depleting refrigerant - Refrigerants classified as Class I and II Controlled substances per in 40 CFR Part 82, Subpart A, of Federal Regulations

<u>PTO</u> – Permit to operate is required to be obtained and maintained current by the mechanical refrigeration system owner or user and posted in machinery room.

ANSI/ASME B 31.5, Refrigeration Piping code standard that is adopted in SPS 345 for the design, fabrication and installation of refrigerant piping. Order Piping standard from the ASME website @ www.asme.org

EPA 608 certification – Federal certification for servicing "commercial" AC/refrigeration systems EPA 609 certification – Federal certification for servicing automotive "mobile" air conditioning RRR equipment – a machine that recovers, recycles and/or reclaims refrigerants

# INSTALLATION REGISTRATION REQUIRED

Submit Registration forms to:



Department of Safety & Professional Services Division of Industry Services Madison, WI 53705

# \*SBD-34 / Mechanical Refrigeration form

Ps				Depa	rtment of Sa Division o	lety & profess f Industry Se	ional Services
MECHANICAL RE				RATION	Complete	appropriate p	portion
Installing Contractor shall prepare this form in triplicate and distribute as follows:				REFRIGERATION SYSTEMS			
<ul> <li>White - Send to Wisconsin Dept of Safety &amp; Professional Services Division of Industry Services, Box 7302, Madison, Wisconsin 53707-7302</li> </ul>				TYPE Self Direct Indirect			
	OUS PLACE.	INA		Air Co	nd. Mf	g. or Storage	Recr.
Pink - Retain for file.				Tons	HP		KVA
User or Owner Name E-mail		-mail	Refrigerant # Pounds in Sys		ls in System	Serial No.	
				DISTRIBUTION PIP	ING	CONNECTION	ONS
Street Address		Phone nu	mber	☐ Steel ☐ Copper ☐ We		☐ Welded	Brazed
				☐ Other		□ Soldere	d  Threaded
City	State	Zip			gistration Tag No. HVAC Contractor # ( (Number)		actor # (Required) & (Exp.)
Installing Contractor Na	me Street Address		City	St	ate		Zip Code
Date Installation Comple	eted Contractor Te	lephone	e-mail	Installer	Signature		Date Registered
Personal information you pr	rovide may be used for se	condary purpo	oses (Privacy Law,	s.15.04 (1) (m)].			

Note: Registration is mandatory for toxic and flammable refrigerant systems 10 ton and above or regular refrigerants 50 ton and above. Form submittal is the responsibility of the installer / contractor.

# \*SBD-5204 / Welded Refrigeration Piping form

•••	POWER PIPING / WELL PIPING INSTALLATION	REGISTRATION	Division of Industry Service P O Box 7302 Madison, WI 53707-7302
Personal information you provide Check type of system being	nay be used for secondary purposes [F installed: Power Pip		ration Pining
	sizes, total length of pipe welded an		
	☐ Modification (Refrigeration		
			JOB#
User or Owner's Name		Installing Contractor's Name	
Street Address		Street Address	
City, State, Zip Code		City, State, Zip Code	
Telephone #	email	Telephone #	e-mail
Installation Designed By		Certified inspector Signature	
		Employed By	
In Accordance With Natl. Std. # ANSI / ASME B31.1	ANSI / ASME B 31.5	Date inspected	State/N.BCert. ID. #
Maximum Design Pressure and T	emperature of Piping System		'
Minimum Design Metal Temperati	re of Piping System		
Test Pressure Applied Re	frigeration: High Side	Low Side	Steam Piping:
Test Type:   Hydrostatic	☐ Pneumatic ☐ Other	Date Tested	
I certify this system was insta applicable	alled and tested in accordance wi	th Wisconsin Administrative Co	odes Chapter SPS 341/345 as
Date Installation Completed	Installer's Signature and Title		For DSPS USE ONLY Date Installation Registered
Installer must prepare this d	ocument and maintain on job site	until completion of fabrication	n.
Upon completion distribute a	s follows: "Form can be download	led from the Web Site" Boiler	and Pressure Vessel forms
Send original conv to Division	of Industry Services (address abo	ve) - Send one to Owner - Re	tain one for your File

Note: Forms are available on the Safety and Professional Services website. No submittal fee for registration but an inspection fee may be invoiced per SPS 302.13.

#### INSPECTION REQUIRED

- \* Commercial Installations (refrigerant type) 10 Ton or above (A2, A3, B2, B3 -Toxic or Flammable) 50 Ton or above (A1, B1- Regular Refrigerants)
- \* External Inspection Performed on Systems.
- \* Welded Steel Ammonia Refrigerant Piping
  At material delivery & prior to start of job

#### PERIODIC INSPECTION & "PTO" REQUIRED

\*Toxic-flammable refrigerant systems
10 ton and above ... inspected annually
\*Regular refrigerant systems
50 Ton & above ... inspected every 3 yrs

Note 1: Single family and duplex installations are exempt from PTO requirements but contact your local authority for permit or inspection requirements in your area.

Note 2: Contact your area District Inspector at least 5 days in advance to arrange inspection.

#### WELDED REPAIR / ALTERATIONS

Repair and alterations to ASME stamped receivers or heat exchanger must be completed in accordance with the National Board Inspection Code (NBIC) by a valid National Board "R" stampholder. All repairs and alterations shall be registered on the appropriate form with the National Board per SPS 341.62.

# SPS 305 - Credentials Required

#### HVAC CONTRACTOR REGISTRATION

\*Any company installing or servicing HVAC for human comfort or a refrigeration system that is charged with ozone-depleting refrigerants shall obtain this registration.

\*HVAC Contractor is a "Business registration"
Initial Application ...... \$15.00
Registration/Renewal .. \$160.00 / 4 years
\*Reference SPS 305.70 for credential details.

#### REFRIGERANT HANDLING TECHNICIANS

2011 Wisconsin Act 146 Section 34 repealed Wis. Stat. 101.177 effective May 4, 2012. Accordingly, the Department of Safety & Professional Services no longer has the authority to regulate the duties of a refrigerant handling technician. This certification became void May 4, 2012.

Be aware that ozone-depleting refrigerants are still regulated by the Wisconsin Department of Natural Resources for AC equipment salvage and the Wisconsin Department of Agriculture, Trade and Consumer Protection for those who service vehicle air conditioners. In addition, the U.S. EPA has applicable regulations in this area pertaining to refrigerant sales, distribution and reclamation.

All ozone-depleting refrigerant technicians servicing equipment must hold a valid EPA 608 certification. Questions on Federal regulations:

#### Contact EPA HOT LINE @ 1-800-621-8431



#### **TECHNICAL QUESTIONS**

DSPS – Division of Industry Services 141 NW Barstow St, 4<sup>th</sup> Floor Waukesha WI 53188 608-266-2112 email: DSPSSBboilertech@wisconsin.gov



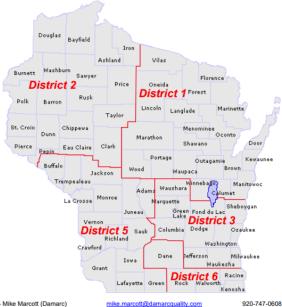
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# MECHANICAL REFRIGERATION

Division of Industry Services 4822 Madison Yards Way Madison WI 53705



1 - Mike Marcott (Damarc) mike marcott@damarcquality.com 920-747-0608
2 - Mario Ramirez (Damarc) mario.ramirez@damarcquality.com 715-338-8366
3 - Mike Marcott (Damarc) mike.marcott@damarcquality.com 920-747-0608
4 - Vacant
5 - Dean Yourchuck (Damarc) dean.yourchuck@damarcquality.com 715-441-9047
6 - Mark Makkonen (Damarc) mark.makkonen@damarcquality.com 715-338-8080
Darmac Consultant - Jeremie Rudek jeremie@damarcquality.com 866-361-4321
DSPS Supervisor - Kim Schmitt Kim.Schmitt@Wisconsin.gov 262-524-3950

DsnsShBoilertech@wisconsin.gov

General Questions