# 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 PO Box 7302 Madison WI 53707

# \*SBD-34 / Mechanical Refrigeration form

"SPS"						State of Wisconsin Department of Safety & professional Services Division of Industry Services			
				ATION REGIS	TRATION	Complet	e appropriate pe	ortion	
Installing Contractor shall prepare this form in triplicate and distribute as follows:					REFRIGERATION SYSTEMS				
Divisio	on of Industr	Dept of Safety 8 y Services, Box 7 sin 53707-7302	k Professio 302,	onal Services	TYPE Self	□ Di	irect 🔲 I	ndirect	
Yellow - Send to Owner who shall POST IT IN A CONSPICUOUS PLACE.				Air Cond. Mfg. or Storage Recr.					
Pink - Retain for file.				Toes	HP		KVA		
User or Own	er Name			E-mail	Refrigerant #		ds in System	Serial No.	
					DISTRIBUTION PI	PING	CONNECTIO	NS	
Street Address		Phone n	number	☐ Steel ☐ Copper		☐ Welded ☐ Brazed ☐ Soldered ☐ Threaded			
City State		Zip		WI Registration Tag No.		HVAC Contractor # (Required) & (Exp.) (Number) (Expiration Date)			
installing Contrac	for Name	Street Address		City	5	itate		Zip Code	
Date Installation Completed Contractor Telep		ephone	e-mail	Installer Signature			Date Registered		
ersonal information	n you provide	may be used for se	condary pur	poses [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

(1)	POWER PIPING / WEL PIPING INSTALLATION				
Personal information you provide Check type of system being	nay be used for secondary purposes installed: Power Pi		estion Dining		
	sizes, total length of pipe welded a				
	Modification (Refrigeration				
#80L					
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	rfrigeration: High Side	Low Side	Steam Piping:		
Test Type:	☐ Pneumatic ☐ Other	Date Tested	<u> </u>		
I certify this system was insta applicable	alled and tested in accordance w	vith Wisconsin Administrative C	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 sit	te until completion of fabricatio	n.		
Upon completion distribute a	s follows: "Form can be download	aded from the Web Site" Boiler	and Pressure Vessel forms		
Send original copy to Division	of Industry Services (address ab	ove) - Send one to Owner - Re	etain 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



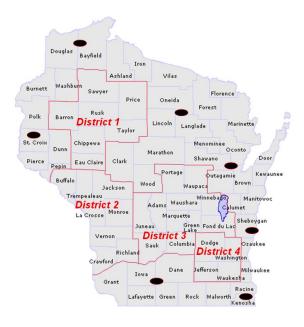
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# MECHANICAL REFRIGERATION

Division of Industry Services 4822 Madison Yards Way Madison WI 53705



			Phone	Fax
1 - Damarc				
2 - Damarc				
3 - Michael J. Schmidt		MichaelJ2.Schmidt@Wisconsin.gov	920-360-2193	608-283-7433
4 - Terence	Waldbillig	Terence.Waldbillig@Wisconsin.gov	414-303-8575	608-283-7429
Supervisor	Kim Schmitt	Kim.Schmitt@Wisconsin.gov	262-524-3950	
Submit gene	eral questions to:	DspsSbBoilertech@wisconsin.gov		

Contact <u>Damarc</u> Quality Inspection Services LLC (866-361-4321) for inspections outside of districts