

Refrigeration and Air Conditioning Mechanic Job Description

Title Refrigeration Mechanic Freon, Ammonia plant

Reports To Manager (Refrigeration)

Summary

Industrial refrigeration mechanics install, service, and repair refrigeration systems and equipment such as condensing units, compressors, and evaporators. Some duties of the job include connecting refrigeration lines and electrical power sources, handling hazardous refrigerant substances, and checking systems and equipment for leaks. Mechanics will often use system blueprints or manufacturers' instructions to complete a job.

Core Competencies

- Quality Orientation
- Time Management
- Creative and Innovative Thinking
- Development and Continual Learning
- Problem Solving
- Accountability and Dependability
- Research and Analysis
- Decision making and Judgement
- Operating Equipment
- Providing Consultation
- Ethics and Integrity
- Planning and Organizing
- Mathematical Reasoning
- Enforcing Laws, Rules and Regulations
- Communication
- Energy & Stress
- Team Work

Job Duties

- Read and interpret blueprints, drawings or other specifications
- Measure and lay out reference points for installation
- Assemble and install refrigeration or air conditioning components such as motors, controls, gauges, valves, circulating pumps, condensers, humidifiers, evaporators and compressors using hand and power tools
- Measure and cut piping, and connect piping using welding and brazing equipment
- Install, troubleshoot and overhaul entire heating, ventilation, air handling, refrigeration and air conditioning systems
- Start up system and test for leaks using testing devices
- Recharge system with refrigerant, check and test regulators, calibrate system and perform routine maintenance or servicing
- Repair and replace parts and components for entire refrigeration, air conditioning, ventilation or heat pump systems

- May install, maintain and repair equipment in refrigerated trucks used to transport food
- Other work as required

Requirements

- Completion of college/vocational or technical training
- Valid Class B refrigeration's License
- Red Seal Certification Preferred
- Minimum 5 years of experience
- Possess a valid driver's license
- Proven mechanical abilities in refrigeration and AC repairs
- Ability to work independently in a busy environment
- Experience with routine maintenance operations
- Highly flexible, with solid interpersonal skills that allow one to work effectively in a diverse working environment
- Able to effectively communicate both verbally and in writing
- Able to work well under pressure
- Strong attention to detail
- Able to deal with people sensitively, tactfully, diplomatically, and professionally at all times
- Computer literate

Work Conditions

- 24/7 availability may be required
- Physical ability to lift up to 50lb
- Travel to off-site locations may be required
- Safety equipment will be required, e.g. steel-toed safety boots, safety glasses/goggles, etc.
- Overtime as required
- Hazards associated with the trade
- Work both indoors and outdoors
- May be exposed to construction sites