

# STEAMFITTER (MPS)

## GENERAL \*\*\* BURNERS \*\*\* REFRIGERATION \*\*\* CONTROLS

**THE PURPOSE:** The Steamfitter designs, installs, repairs, and maintains a variety of HVAC systems and equipment throughout the buildings under the authority of the Milwaukee Public Schools.

**ESSENTIAL FUNCTIONS** (vary according to specialty):

- Design and draw schematics for steam, hot water, refrigeration, and air conditioning systems.
- Calculate radiation requirements, heating and cooling loads, and sizes of piping, gas mains, and equipment.
- Install and maintain all components of heating and cooling systems at existing and new installations.
- Install and maintain industrial and commercial gas, oil, and boiler/burner equipment.
- Install and maintain various types of control systems, such as Siemens, Johnson, and Andover energy management systems.

**CONDITIONS OF EMPLOYMENT:**

The person in this position must be willing and able to do the following: 1) work under conditions of high temperature, dust, cramped spaces, and high noise levels, and 2) furnish basic steamfitter hand tools of the trade.

*Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans with Disabilities Act (ADA) of 1990.*

**REQUIREMENTS:**

1. Valid driver's license and availability of a properly insured personal automobile for use on the job at time of appointment and throughout employment (car allowance provided).
2. Residency in the City of Milwaukee within 6 months of appointment and throughout employment.
3. Certification in the EPA Asbestos Abatement Training Program within 6 months of appointment.
4. Certification in the EPA Universal Certification for refrigerant recovery within 6 months of appointment.
5. Confined space training within 6 months of appointment.

**KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED** (vary according to specialty):

- Significant knowledge of the craft of steamfitting and HVAC servicing, with skill sufficient to perform the tasks typically associated with the craft at journey level.
- Thorough familiarity with the following: design of steam and hot water heating systems, design of refrigeration and air conditioning systems, various kinds of burners, and various kinds of regulating control systems.
- Knowledge of steamfitting drawings and schematics, and heating, refrigeration, and air conditioning (HVAC) symbols.
- Skill in designing and preparing schematics of (HVAC) systems.
- Skill in checking, testing, repairing, and installing various types of pneumatic, electric, and solid state regulating control systems and components.
- Skill in repairing piping, radiation, and air handling units.
- Knowledge of vacuum, condensate, and hot water pumps, hot water and steam valves, and steam traps.
- Skill in installing, repairing, and maintaining all pumps, valves, and traps.
- Skill in welding pipe, brazing cast iron, soldering, and silver soldering copper tubing and coils.
- Knowledge of the installation, repair, and maintenance of refrigeration and air conditioning equipment.
- Skill in installing and maintaining industrial and commercial gas, oil, and stoker burner equipment.
- Skill in the use of computers and computerized energy management systems.
- Ability to lift and carry 75 lbs or more of equipment or material on a daily basis.

**THE CURRENT HOURLY SALARY (MPS FF 58) IS:** \$33.11 per hour with excellent benefits.