

Geothermal Flush Cart eLearning | Flushing, Purging, & Charging a Geothermal System

Geothermal Flush Cart Operation - W12310-XA01UEN-E1

Skill 2: Use a Flush Cart to Pressurize a Geothermal Source Circuit

Step-by-Step Instructions

In this procedure, you will use a flush cart to pressurize a geothermal heat pump source circuit. You will then prepare the system for operation and remove the flush cart from the system.

Click on the [equipment](#) to view the step-by-step instructions for performing this procedure using the selected system.

Please click on the equipment to perform this procedure.

95-GEO3 Geothermal Flush Cart

This page is interactive. Click here to show the instructions.

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eLearning Course: M12310

Amatrol's Geothermal Flush Cart eLearning Course (M12310) focuses on flush cart operation through topics like: how to set up a geothermal flow center for flushing, purging, and charging; how to use a flush cart to flush and purge a geothermal source circuit and a geothermal system with multiple heat pumps; how to charge a geothermal source circuit with antifreeze; and how to use flush carts to pressurize a geothermal source circuit.

Teach Geothermal Installation

What is a Flush Cart? How is it Operated?

A flush cart uses a pump, valves, and a piping network to pump fluid into and out of the GHP ground loop through ports on a the GHP flow center. Flush carts are also used when replacing the ground loop fluid, adding antifreeze, or whenever performing maintenance on a component where air may be allowed into the loop. Flush carts, generally, are mounted on two wheels so that it can be rolled into position, similar to a handtruck.

Flush carts receive fresh water through a hose connected to an external source, such as a city water supply. A reservoir on the flush cart stores excess fluid while preventing air from entering the system. A strainer at the bottom of the reservoir prevents debris from entering the system. Typically, components are arranged on a compact mobile cart to allow installers to bring the cart to the system on-site.

Interactive eLearning

Multimedia Curriculum Features Online Training for Certifications

Amatrol's peerless [interactive multimedia curriculum](#) utilizes text with voiceovers, pictures, videos, stunning 3D animations, and interactive quizzes and reviews that engage learners in theoretical knowledge and concepts. This thorough, detailed curriculum begins with the basics and advances to complex concepts. Through partnerships with key industry leaders and leading educators, Amatrol developed the right balance of knowledge to train learners to work in their chosen field. (References [95-GEO3](#))

Additional Info

Requires:

- Computer ([see Computer Requirements](#))

Options:

- Geothermal Flush Cart Learning System ([95-GEO3](#))

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