

Helium Reclaim Systems

Fight helium shortages: recover and recycle up to 95% of helium from your processes

Helium gas reclaim systems allow manufacturers to manage, recapture and recycle their helium supply. With increasing costs and decreasing availability, these systems cut costs, provide better control over helium consumption, and reduce uncertainty and dependency on helium suppliers. CTS has over 30 years of experience delivering gas handling equipment. Our solutions enable efficient recovery of up to 95% of tracer gas, depending upon the application.

Automated, Efficient, Cost-Effective Solutions

Processing helium requires the use of pressure recovery systems that consist of various components to recapture, process and store the gas. In a standard pressure recovery system, vaporized helium is used in a process, then recaptured through exhaust lines. These lines run to a recovery vessel, where the gas is fed through a filter and then analyzed for purity. If the purity level meets levels acceptable to testing levels, the helium is compressed into a storage tank.

Standard plant wide helium reclaim system



CTS utilizes a pre-engineered design with components selected to accommodate the helium usage requirements of each application. CTS offers standard recovery systems from 4 to 20 SCFM at pressure ranges of 150 to 300 PSIG. The fully automated systems typically include:

- Top grade oil-free industrial compressors with sound enclosures
- Certified storage tank for gas recovery
- Electronic gas analyzer
- Automatic / manual start-up and operation
- PLC and touchscreen
- Automatic low gas level alarm
- Automatic gas dryer and filtration
- Atmospheric or sub-atmospheric recovery
- Statistical control and data acquisition

The CTS TracerMate II is used to automate the system, allowing simple integration for helium reclaim upon the exhaust cycle of every test.

Calculate Your Savings

Use our Helium Capacity and ROI Calculator to determine the right sizing capacity for your helium gas reclaim system and how much you will save.

www.cincinnati-test.com/helium



Automated, Efficient, Cost-Effective Solutions

There are many factors that affect the design and implementation of a gas reclaim system; our engineering experts customize solutions for today's challenging applications in low pressure down to 0.5 PSIG and high pressure systems tested up to 4000 PSIG reclaiming Helium, without waste. [Contact us to find the right solution for your plant.](#)



Your Global Leak and Function Test Solution Experts

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