The In-Line Waste Collection System

What Is An In-Line Waste?

- State and Federal regulations require that all containers holding hazardous waste be closed except when it is necessary to add or remove waste. The term “In-Line” waste describes the process when chemical waste flows through tubing and collects in a container. Typically, High Performance Liquid Chromatography (HPLC) and Inductively Coupled Plasma (ICP) instruments generate waste in this manner.

Unsafe and NON-Compliant Containers

- Pictured below are two examples of non-compliant in-line waste assemblies. Inserting waste lines into an open bottle top (a missing cap), or sealing a container with parafilm does not constitute a closed container. Additionally, drilling holes through an original cap and inserting waste lines through the cap does not meet the regulatory intent of a closed container.

Features of the In-Line Cap System

- The in-line cap system meets the regulatory requirements for a closed container.
- The in-line cap system seals the container to reduce vapor emissions.
- The in-line cap system incorporates a check valve to prevent over pressurization of the container.
- The in-line cap system is constructed of chemically resistant materials.
- The in-line cap system is capable of collecting waste through three ports. Additional waste lines can be accommodated through the use of another waste bottle and in-line cap system.
- The in-line cap system is designed to accept hard wall 1/8 inch tubing and luer connections. Unused ports are plugged using supplied luer plugs.
- The in-line cap system arrives with an assortment of adaptors and plugs. Detailed instructions are provided with the kit. Additional assistance is available by contacting OSEH at 763-4568.

Reasons To Upgrade

- Regulatory Compliance
  The in-line cap system meets the requirements set forth by state and federal regulations—a container holding hazardous waste must always be closed except when actively adding or removing waste.
- Health
  The specially designed in-line cap system helps prevent the release of toxic or flammable vapors into your workplace.
- Safety
  In the event the waste container tips over, the in-line cap system will help to prevent the contents from spilling.

How To Order

- The in-line cap systems are being supplied to researchers at no cost. To order, contact OSEH at 763-4568 and provide the following information:
  - The number of in-line waste kits your lab will need.
  - The location of your waste containers and your contact information.
  - Additional fittings can be requested by contacting OSEH at 763-4568.
- In addition to the in-line waste kit, you will receive a pail for use as a containment device.

OSEH is committed to assisting waste generators in complying with this important regulation and will supply, no cost, an in-line cap system upon request. To order an in-line cap system or for further information contact OSEH HMM at 763-4568.