



Foxx
Life Sciences
Our Innovation. Your Opportunity.

Laboratory Safety Solutions

- Closed HPLC Systems
- Vacuum trap Systems

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Life Sciences
Our Innovation. Your Opportunity.

Laboratory Safety Product Overview

Foxx Life Sciences - creating innovative safety products to store harmful contaminants and protect human health in laboratory settings.

1. Closed HPLC systems
2. Vacuum trap systems and accessories



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Environmental Issue – Taking Solvents Seriously

- Hazards - harmful vapor (VOC's) can be emitted
- Expensive leaks - valuable substances are lost / loss of mobile phase from evaporation
- Risks of contamination - air and environmental pollution
- Loose tubing - interrupted processes
- Dangerous processes - changing containers becomes a risky procedure

Dangerous HPLC Waste Collection Practices

Open Waste



Open Waste



Foil



Parafilm®



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EZwaste® HPLC Waste Systems

Solvent Waste (down-stream) Solution



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EZwaste® - THE Down-Stream Solution

Closed-loop design contains VOC's, keeping laboratory air clean and protecting health of lab personnel



Solvent Waste portfolio

- EZwaste® HD carboys and bottles
- exhaust filters/breakthrough indicators
- cap kits
- replacement fittings
- secondary containers



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EZwaste® HPLC Caps - unparalleled versatility

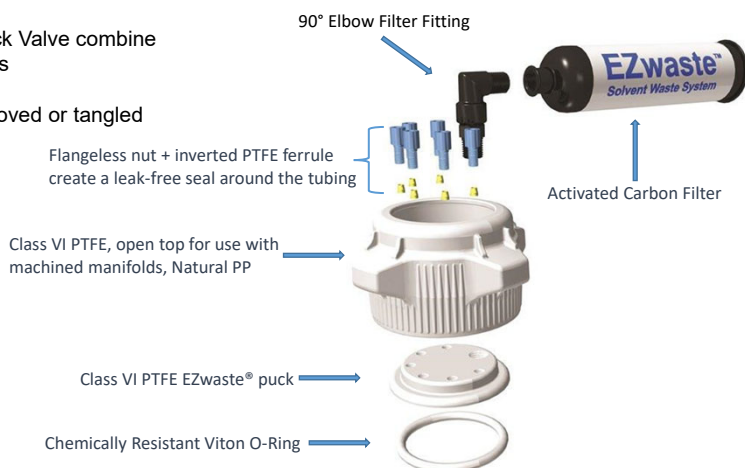
Class VI PTFE Manifold and a Safety Air Inlet Check Valve combine with activated carbon filter for safe capture of VOC's

VersaCap® design prevents tubing from being removed or tangled

Wide range of cap sizes
- GL45, 51S, 53B, S70, 83B

Extensive EZwaste® puck configurations
- 4 or 6 ports
- 1/16" / 1/8" / 1/4" OD

Safety vent fittings
- nuts and ferrules fittings
- exhaust filter fittings and plug



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EZwaste® - Containers

Heavy Duty (HD) HDPE Containers

1. bottle (4L)
2. EZgrip™ Carboy (2.5L, 5L, 10L, 20L, 40L, 75L)
3. UN/DOT Containers (10L, 13.5L, 20L, 60L)



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EZwaste® - Secondary Containment

A perfect secondary containment solution for EZwaste® Solvent Waste System containers

Made from HDPE material, built to be tough and durable

Able to hold at least 115% of the container's content

Sold individually or in multi-packs



Over a dozen EPA and OSHA regulations require **“secondary containment”** for hazardous material storage

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PUREGRIP® Bottle Assemblies & ChromCap™

Solvent Delivery (up-stream) Solution



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PUREGRIP® HPLC solvent reservoirs

Cap assemblies

Two models of VersaCap® assemblies for solvent delivery:

1. ChromCap™ 100
 - Vented cap, perfect for lower-pressure non-volatile solutions (e.g. water, buffer).
2. ChromCap™ 300
 - Safety Air Inlet Valve + 0.2µm PTFE hydrophobic filter.

VersaCap® technology, includes

- Class VI PTFE manifold puck
- Chemically resistant Viton™ O-ring
- Each assembly comes with fittings for both 1/8" & 1/16" OD Tubing + plugs to fill any unused ports



ChromCap™ 100



ChromCap™ 300

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PUREGRIP® HPLC solvent reservoirs

Specifications

Product Type	PUREGRIP® HPLC solvent reservoirs
Glass Type	Type 1, 3.3 Low-Expansion borosilicate
Glass Color	Clear or Amber
Volume	500mL, 1L or 2L
Cap Type	38-430mm or GL45
Valve	Check valve negative pressure 1.5psi
Vent Filter	PTFE Gamma Stable Polypropylene
Cap Configurations	8
Fitting Sizes	1/16" or 1/8"
Maximum Ports	6
PUCK Material	Class VI PTFE



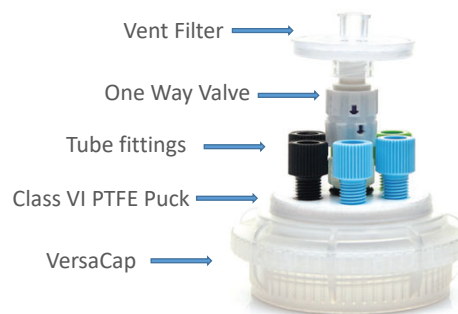
*The check valve regulates the pressure when the negative pressure reaches 1.5psi. This small negative pressure prevents evaporation of the liquid and guarantees a stable flow rate

ChromCap™ 300 HPLC Solvent Reservoir Cap

Utilizes patented VersaCap® technology

- Class VI PTFE Manifold
- Chemically Resistant Viton O-Ring
- Safety Air Inlet Valve
- Foxx 25mm, 0.2µm PTFE hydrophobic filter
- 38-430 or GL45 cap configurations

The safest and most ergonomic solution for VOC's containment.



Vactrap™ Vacuum Trap Systems



world's most advanced vacuum trap system



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The Old-School Vacuum Trap Method

- "Vacuum trap" constructed from glass side-arm Erlenmeyer flask, rubber stopper, glass tube, tubing, vent filter (sometimes)
- Expensive, messy, breakable, unstable, assembly required
- Perfect container for microorganism to grow.
- No overflow protection, no secondary containment
- Difficult to empty and clean
- **Dangerous, costly, inefficient**



Old-School Vacuum Trap on right, connected to Buchner funnel filtration assembly. Note lack of inline filter, secondary containment. Trap requires additional ring stand and hardware for stability. Setup/cleaning process is complicated.



Source: Sterlitech.com, Bioburden Water Filter Test Kit

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Vactrap™

Contains waste from supernatant removal, chemical separation, and cell or tissue culture media aspiration

Aligns with CDC's most up-to-date vacuum/aspiration guidelines involving biohazardous material

40 CFR 264.175 compliant

Exceeds standard recommendation in terms of safety, stability, ease of use, and ease of cleaning



Packaged fully assembled ready to use, simply attach to your vacuum source and begin your experiment!

Vactrap2™ and Vactrap™ XL features

- ① Chemically-resistant tubing accepts Pasteur pipettes and other attachments for versatile aspiration
- ② Patented VersaCap® technology eliminates tube tangling
- ③ Thick-walled, shatterproof heavy-duty bottles, available in HDPE and PP
- ④ Pinch clamp allows for modulation of vacuum at point of aspiration
- ⑤ Inline 0.2µm PTFE vent filter retains all aerosolized bacteria
- ⑥ Four feet of tubing for flexibility in BSC or lab bench
- ⑦ Sturdy secondary container prevents spills and substantially decreases risk of tipping



Rated up to 12 hrs continuous use. Consider Vactrap™ G for continuous full vacuum needs...

Vactrap™ G

Features of Vactrap2™ & Vactrap™XL plus...

- PUREGRIP® bottles, made from 3.3 Borosilicate Glass, with GL45 VersaCap®
- Continuous full vacuum rating for House Vacuum Systems!
- **Vactrap™ G: 9 config. in single or dual bottle systems**



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Thank you

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