

Solvent Waste Containment

INSIDE THIS ISSUE!

Ensure your waste container is meeting safety and fire codes with our safety waste containment systems

Pump to Drum
Waste Management



Your preferred supplier of chromatography instruments & consumables

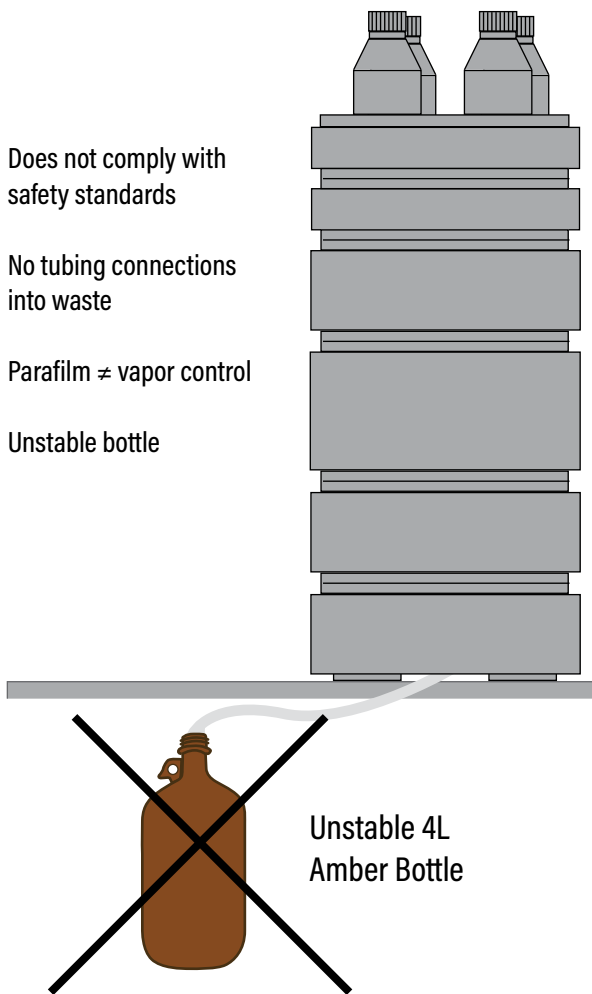


Have you ever been written up for improper collection of solvent waste?

Consider this: **For the cost of an HPLC column, you could be compliant.** Plus, not collecting solvent waste properly poses a risk to the people and property in your lab.

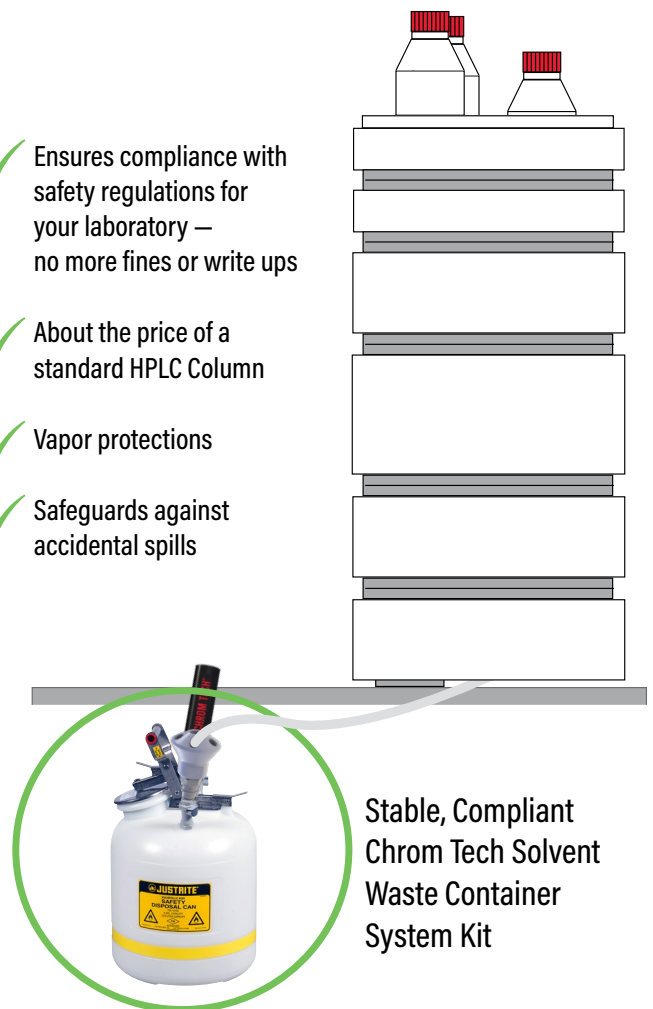
The Problem

- ✗ Does not comply with safety standards
- ✗ No tubing connections into waste
- ✗ Parafilm ≠ vapor control
- ✗ Unstable bottle



The Solution

- ✓ Ensures compliance with safety regulations for your laboratory – no more fines or write ups
- ✓ About the price of a standard HPLC Column
- ✓ Vapor protections
- ✓ Safeguards against accidental spills



Choosing the right system for solvent waste doesn't have to be complicated.

How many HPLCs are in your lab and are they adjacent to each other? We can accommodate multiple HPLCs into one 6-port manifold.

TECH TIP

Polypropylene or **Stainless Steel**? Choose **Polypropylene (EPDM O-Ring) quick connects** for typical reversed phase applications (economical and recommended option). Choose **Stainless Steel (PTFE O-Ring) quick connects** for normal phase or GPC applications.

SAFETY WASTE CONTAINER KIT—2 OR 5 GALLON KITS

6-PORT MANIFOLD, CONNECTIONS, AND ACCESSORIES INCLUDED IN KIT

- Organized laboratory space
- Remove harmful gases — protect lab personnel from adverse health effects
- Tubing connections for the following tubing sizes:

1/16" OD (Qty 2)
1/8" OD (Qty 2)
1/4" ID (Qty 2)
Plugs to close off any unused ports (Qty 4)



MA-601
6-Port PP Waste Manifold



CT-SCF-1
Organic Vapor Filter

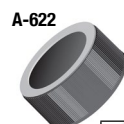
CHROM TECH SOLVENT WASTE CONTAINER COMPLETE SYSTEM KIT

PART NO	DESCRIPTION
SAFETY-2PP-E	2 gal PE Solvent Waste Containment System w/PP quick connects
SAFETY-5PP-E	5 gal PE Solvent Waste Containment System w/PP quick connects
SAFETY-2SS-E	2 gal PE Solvent Waste Containment System w/SS quick connects
SAFETY-5SS-E	5 gal PE Solvent Waste Containment System w/SS quick connects

SAFETY KIT ACCESSORIES (NOT INCLUDED IN KIT)

IDEX BOTTLE CAPS, PLUGS & ADAPTERS

- Safely store your HPLC solvents
- Ports for 1/8" tubing and a luer taper
- Plugs and adapters for unused ports



A-622
Holes for 1/8" OD tubing
Additional Hole for Luer

A-620



Holes for 1/8" OD tubing
Additional Hole for Luer

A-626



A-629



20 µm stainless steel frit

IDEX BOTTLE CAPS

PART NO	PORT QTY	PORT STYLE	MATERIALS
IDEX GL38 BOTTLE CAPS			
A-622	3	(2) 1/8" OD Tubing, (1) Luer Taper	PTFE, Polypropylene
IDEX GL45 BOTTLE CAPS			
A-620	3	(2) 1/8" OD Tubing, (1) Luer Taper	PTFE, Polypropylene

SAFETY ACCESSORIES

PART NO	DESCRIPTION
JT-84003	HPLC Can Spill Basin with 5 g spill capacity
JT-08500	Antistatic flexible wire with dual alligator clips, 3'

IDEX PLUGS & ADAPTERS

PART NO	DESCRIPTION
A-626	Bottle Cap Plug for luer hole, UHMWPE
A-628	Bottle Cap Plug for 1/16", 1/8" or 3/16" hole, UHMWPE
A-629	Filter Bottle Cap Plug for 1/16", 1/8" or 3/16" hole, UHMWPE with 20 µm stainless steel frit



JT-84003



JT-08500

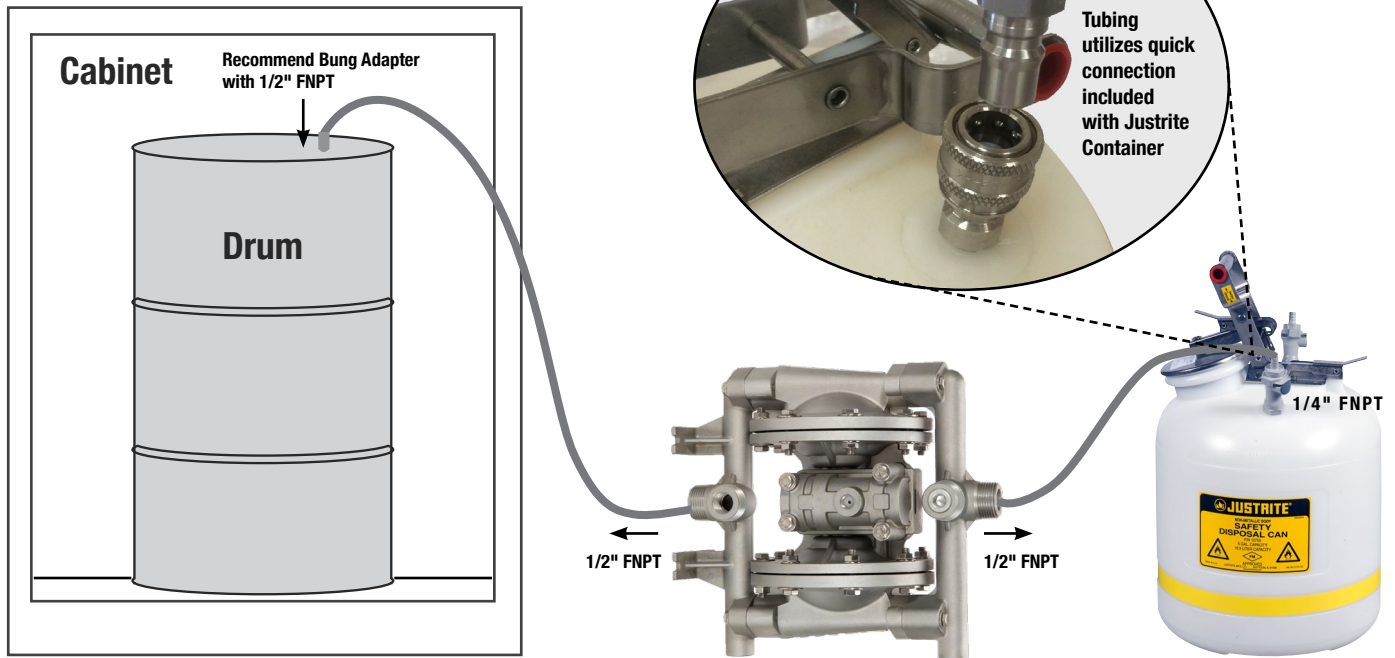
Do you need a better way to empty your safety disposal cans?

We make waste disposal SAFE and EASY with the All-Flo Pump available now through Chrom Tech!

No Pouring/Splashing



No Heavy Lifting



**products not to scale*

Tubing

Static Conductive Tubing
PTFE-Lined, SS braided

Pump

A050-NP3-TT3T-S70 -
All-Flo pump SS/PTFE
1/2" FNPT threads

Safety Can

JT-12752-CC1 - 2 gal PP
solvent waste safety can

 **Justrite** | Authorized Distributor

SAFETY WASTE CONTAINERS: 2- OR 5-GALLON KITS

- All use SS solvent pick up adapter
- Available with PP or SS fitting adapters

ORGANIC VAPOR FILTER

- Reusable adapter, disposable filters
- Remove harmful gases — protect lab personnel from adverse health effects

6 PORT WASTE MANIFOLD WITH QUICK CONNECTIONS

- For various tubing sizes
- Organized laboratory space

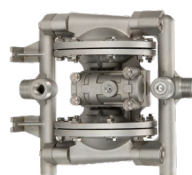


CHROM TECH SOLVENT WASTE SYSTEMS

POLYPROPYLENE	STAINLESS STEEL	DESCRIPTION & CAPACITY	DIMENSIONS	TUBING*
JT-12752-CC1	JT-12752-CC3	2 gal (7.5L) Polyethylene safety disposal can w/SS fitting suction option assy	12" OD x 14.75" H	3/8"
JT-12755-CC1	JT-12755-CC3	5 gal (19L) Polyethylene safety disposal can w/SS fitting suction option assy	12" OD x 20" H	3/8"
MA-601	MA-603	6-Port Polypropylene waste manifold (5) 1/4" NPT, (1) 1/2" NPT		
FA-017	FA-019	Justrite can filter adapter elbow (to be used with CT-SCF-1)		
UNIVERSAL		DESCRIPTION & CAPACITY		
	CT-SCF-5	Organic vapor filter, 5/pk		
	EF-102	Color Indicator for organic vapor filters, ea		
	AB-114	Barbed tubing connection, 1/4" ID, 1/4" NPT, PP		
	AC-150	Tubing connection, 1/16" OD, 1/4" NPT PP		
	AC-155	Tubing connection, 1/8" OD, 1/4" NPT PP		
	PL-101	Plug, 1/4" NPT, PP		
	PL-102	Plug, 1/2" NPT, PP		

ALL-FLO STAINLESS STEEL VACUUM PUMP - A050

- Air-operated diaphragm pump—no electricity, eliminating the risk of sparks
- Wetted materials: Stainless Steel and PTFE



TECH TIP

List of Wetted Components:
PTFE Diaphragm, PTFE Ball, SS Seat,
PTFE O-Ring, SS Hardware

ALL-FLO STAINLESS STEEL VACUUM PUMP- A050

PART NO	DESCRIPTION
A050-NP3-TT3T-S70	ALL-FLO pump, 1/2" female NPT ports, SS & PTFE components (see Tech Tip)
AWE-050-TT3T	ALL-FLO pump maintenance kit
SS-TC8PM4PM8-72	Static conductive tubing 6' length, PTFE-Lined SS braided tube with 1/4" Male NPT to 1/2" Male NPT terminations (waste container to All-Flo pump)
SS-TC8PM8PM8-72	Static conductive tubing 6' length, PTFE-Lined SS braided tube with 1/2" Male NPT to 1/2" Male NPT terminations (All-Flo pump to drum)

*Need 1/2" Female NPT bung drum adapter

Disposal Cans (No Kit)

TECH TIP

Polypropylene quick-disconnect fittings are typically used with reverse phased solvents i.e. ACN, Methanol.

Stainless Steel/PTFE quick-disconnect fittings must be used with normal phase and GPC solvents i.e. Hexane, Heptane and THF.



Suction Option Assembly:

Internal 1/4" (6 mm) ID polytetrafluoroethylene (PTFE) tubing with stainless steel fitting is installed below disconnect (of your specification) to allow for safe dispensing of fluid out of the can. NOTE: must be used under suction only.

REPLACEMENT PARTS & ACCESSORIES FOR CHROM TECH SOLVENT WASTE CONTAINER SYSTEM KIT

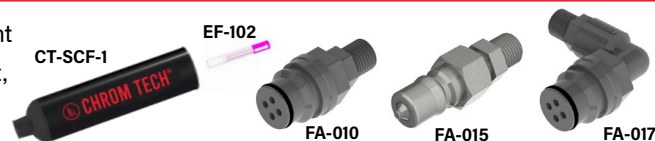
SAFETY DISPOSAL CANS

PART NO	DESCRIPTION & CAPACITY	DIMENSIONS	FITTINGS	O-RING	TUBING*
JT-12160	1 gal Polyethylene Safety Disposal Can, PP fittings, EPDM O-ring	5.25" W x 12.75" H x 7.75" D	PP	EPDM	3/8"
JT-PP12752	2 gal Polyethylene Safety Disposal Can, PP fittings, EPDM O-ring	12" OD x 14.75" H	PP	EPDM	3/8"
JT-PP12755	5 gal Polyethylene Safety Disposal Can, PP fittings, EPDM O-ring	12" OD x 20" H	PP	EPDM	3/8"
JT-TF12752	2 gal Polyethylene Safety Disposal Can, SS fittings, PTFE O-ring	12" OD x 14.75" H	SS	PTFE	3/8"
JT-TF12755	5 gal Polyethylene Safety Disposal Can, SS fittings, PTFE O-ring	12" OD x 20" H	SS	PTFE	3/8"
JT-12752-CC1	2 gal (7.5L) Polyethylene Safety Disposal Can w/SS fitting suction option assy	12" OD x 14.75" H	PP	EPDM	3/8"
JT-12755-CC1	5 gal (19L) Polyethylene Safety Disposal Can w/SS fitting suction option assy	12" OD x 20" H	PP	EPDM	3/8"

*Tubing is not supplied with individual containers

Chemical Emissions Filters & Adapters

- Minimize odors by adsorption before they enter the lab environment
- Constructed of activated coconut shell carbon and silica desiccant, with Polypropylene housing



VAPLOCK FILTERS

PART NO	DESCRIPTION
CT-SCF-1	Organic Vapor Filter, ea
CT-SCF-5	Organic Vapor Filters, 5/pk
EF-102	Color Indicator for organic vapor filters, ea
EF-102V	Color Indicator for organic vapor filters, 5/pk

JUSTRITE CAN ADAPTERS

PART NO	DESCRIPTION
FA-010	Justrite Can Adapter, EPDM, PP
FA-015	Justrite Can Adapter, SS, PTFE
FA-017	Justrite Can Adapter Elbow, EPDM, PP
FA-019	Justrite Can Adapter Elbow, SS, PTFE

Popular Fittings & Tubing

AC-150



AC-155



AB-114X



AB-204X



PL-101X



PL-102X



XP-201



XP-301



POPULAR MANIFOLD FITTINGS & TUBING

PART NO	TUBING	THREAD	MATERIAL	COLOR	QTY
HARDWALL TUBING ADAPTERS					
AC-150	1/16" OD	1/4" NPT	Polypropylene, ETFE	Green	ea
XP-201	1/16" OD	1/4-28	Delrin, ETFE	Black, Blue	ea
AC-155	1/8" OD	1/4" NPT	Polypropylene, ETFE	Blue	ea
XP-301	1/8" OD	1/4-28	Delrin, ETFE	Black, Yellow	ea
BARBED SOFTWALL TUBING ADAPTERS					
AB-114X	1/4" ID	1/4" NPT	Polypropylene		10/pk
AB-204X	1/4" ID	1/2" NPT	Polypropylene		10/pk
SOFTWALL ADAPTER PLUGS FOR 1/4" AND 1/2" NPT PORTS					
PL-101X	Plug	1/4" NPT	Polypropylene		10/pk
PL-102X	Plug	1/2" NPT	Polypropylene		10/pk
TUBING *Lengths greater than 10' available. Specify length at time of order.					
T-10202	1/16" OD, 10'* length	-	FEP	Natural	ea
T-10201	1/8" OD, 10'* length	-	FEP	Natural	ea

HPLC Waste Containment Accessories

HPLC WASTE CONTAINMENT ACCESSORIES

PART NO	DESCRIPTION
SF-003	Safety Waste Funnel, 4" diameter, PP disconnect
SF-005	Safety Waste Funnel, 4" diameter, SS disconnect
JT-84003	Safety Spill Basin for HPLC waste container
JT-06500	Antistatic Wire, dual alligator clips
JT-06530	Fill Pop Up Gauge



SF-003/SF-005



JT-84003



JT-06500



JT-06530

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