



VaporTrap™ Solvent Waste Systems and Carboys



**VaporTrap™ systems prevent chemicals from being inhaled.
Ergonomically designed carboys make it easy to carry, lift, pour and store chemicals.**

VaporTrap™ Solvent Waste Systems

Prevent harmful HPLC vapors from being released into the air

- Carbon filter prevents volatile organic compound vapors from being released into the air
- Two-piece cap design eliminates the need to disconnect tubing from the adapter to install a closed cap
- High-density polyethylene (HDPE) carboy features rectangular ergonomic design, saving valuable bench space

Designed to collect waste from one or more HPLC machines, VaporTrap systems include carbon exhaust filters to trap potentially harmful vapors emitted from solvents, protecting workers from inhaling dangerous fumes. The closed, leakproof system design helps eliminate spills and provides an efficient way for disposing of volatile organic compound waste.

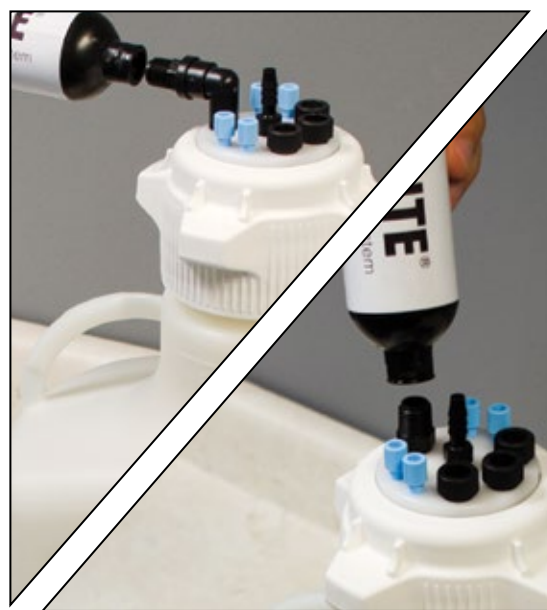
Polypropylene cap with acetal homopolymer adapter offers a wide range of tubing port configurations with and without hose barb ports. Adapter and durable HDPE carboy provide excellent chemical compatibility against aggressive solvents. Unique, convenient features include large top handles for an ergonomic full-hand grip for added safety when moving the carboy, and clear graduation marks with $\pm 5\%$ accuracy.

Each system includes an HDPE carboy, two 83-mm caps (one with ported adapter for waste collection and one closed for safe transport), various ports for waste tubing, one port for a carbon exhaust filter, one carbon exhaust filter, one straight adapter and one 90-degree adapter for filter, tube fittings, gasket, and plugs for unused ports.

Optional filter replacement indicator makes it easy to see when filter is saturated and requires replacement.

Need FM-approved containers?

Visit our website and search on laboratory HPLC disposal containers for HPLC safety cans equipped with flame arresters.



Improve air quality in labs by using a carbon exhaust filter which traps solvent vapors—install in horizontal or vertical position.



19830367

19830368

Accessories

Description	Fisher Model No	Ship wt lb/kg
Replacement carbon exhaust filter, package of two. Filter size: 1.9 OD x 7"	19830506	2/1
Carbon exhaust filter indicator, package of two	19830510	1/1
Replacement fittings, six 1/8" fittings and six 1/4" plugs, one pack	19830508	

Tubing Sizing Guide for Ports

See Tubing Sizing Guide on page 6 to help determine port size needed.

VaporTrap™ Solvent Waste Systems

Carboy Size	Nominal Dimensions* W x L x H	Material Type	Cap Size	1/8" Tubing OD Ports	1/4" Tubing OD Ports	1/4" or 3/8" Tubing ID Hose Barb Ports	Fisher Model No	Ship wt lb/kg
1.1 gallon (4 L)	6.1 x 6.1 x 15.75 in (155 x 155 x 400 mm)	HDPE	83 mm	6	—	—	19830360	4/2
1.3 gallon (5 L)	5.2 x 8.7 x 18.75 in (132 x 221 x 476 mm)						19830361	
2.6 gallon (10 L)	6.4 x 10.75 x 21.9 in (163 x 273 x 556 mm)						19830362	
5.3 gallon (20 L)	8.1 x 13.6 x 26.7 in (206 x 345 x 678 mm)						19830363	
1.1 gallon (4 L)	6.1 x 6.1 x 15.75 in (155 x 155 x 400 mm)	HDPE	83 mm	6	—	1	19830365	4/2
1.3 gallon (5 L)	5.2 x 8.7 x 18.75 in (132 x 221 x 476 mm)						19830366	
2.6 gallon (10 L)	6.4 x 10.75 x 21.9 in (163 x 273 x 556 mm)						19830367	
5.3 gallon (20 L)	8.1 x 13.6 x 26.7 in (206 x 345 x 678 mm)						19830368	
1.1 gallon (4 L)	6.1 x 6.1 x 15.75 in (155 x 155 x 400 mm)	HDPE	83 mm	4	3	—	19830370	4/2
1.3 gallon (5 L)	5.2 x 8.7 x 18.75 in (132 x 221 x 476 mm)						19830371	
2.6 gallon (10 L)	6.4 x 10.75 x 21.9 in (163 x 273 x 556 mm)						19830372	
5.3 gallon (20 L)	8.1 x 13.6 x 26.7 in (206 x 345 x 678 mm)						19830373	
1.1 gallon (4 L)	6.1 x 6.1 x 15.75 in (155 x 155 x 400 mm)	HDPE	83 mm	4	4	—	19830375	4/2
1.3 gallon (5 L)	5.2 x 8.7 x 18.75 in (132 x 221 x 476 mm)						19830376	
2.6 gallon (10 L)	6.4 x 10.75 x 21.9 in (163 x 273 x 556 mm)						19830377	
5.3 gallon (20 L)	8.1 x 13.6 x 26.7 in (206 x 345 x 678 mm)						19830378	
1.1 gallon (4 L)	6.1 x 6.1 x 15.75 in (155 x 155 x 400 mm)	HDPE	83 mm	4	3	1	19830380	4/2
1.3 gallon (5 L)	5.2 x 8.7 x 18.75 in (132 x 221 x 476 mm)						19830381	
2.6 gallon (10 L)	6.4 x 10.75 x 21.9 in (163 x 273 x 556 mm)						19830382	
5.3 gallon (20 L)	8.1 x 13.6 x 26.7 in (206 x 345 x 678 mm)						19830383	

*Note: Height includes filter oriented in horizontal position.



Safely dispose of laboratory waste in these durable, United Nations/Department of Transportation certified carboys—simply remove cap with filter and replace with closed cap for transport.



19830400

19830395

VaporTrap™ UN/DOT Solvent Waste Systems

UN/DOT solvent waste system ensures safe transport of hazardous liquids

- UN/DOT certified carboy and closed cap for packaging group II, and hazardous chemicals
- Carbon filter prevents volatile organic compound vapors from being released into the air
- Two-piece cap design eliminates the need to disconnect tubing from the adapter to install a closed cap

These UN/DOT solvent waste systems provide liquid waste collection and disposal for single or multiple HPLC machines. Carbon exhaust filter traps potentially harmful vapors emitted from solvents, protecting workers from inhaling dangerous fumes. UN/DOT certified carboy and 70-mm closed cap (UN Rating 3H1/Y1.8/100) are designed for single-use and easy disposal of laboratory waste.

The high-density polyethylene (HDPE) cap with acetal homopolymer adapter offers a wide range of top connection options. Select tubing port configurations to accommodate various tubing sizes and create a closed system preventing leaks or spills. Heavy duty HDPE carboy features a large top handle for an ergonomic full-hand grip, and provides excellent chemical compatibility against aggressive solvents.

Each system includes an HDPE UN/DOT container, two 70-mm caps (one with ported adapter for waste collection and one closed for safe transport), various ports for waste tubing, one carbon exhaust filter, one port for carbon exhaust filter, one straight and one 90-degree filter adapter, tube fittings, EPDM gasket, and plugs for unused ports.



Optional filter indicator makes it easy to see when filter is saturated and needs replacement.

VaporTrap™ UN/DOT Solvent Waste Systems

Carboy Size	Nominal Dimensions* W x L x H	Material Type	Cap Size	1/16" Tubing OD Ports	1/8" Tubing OD Ports	1/4" Tubing OD Ports	1/4" or 3/8" Tubing ID Hose Barb Ports	Fisher Model No	Ship wt lb/kg
3.6 gallon (13.5 L)	9.25 x 11.3 x 13.1 in (235 x 287 x 333 mm)	HDPE	70 mm	6	—	—	—	19830390	4/2
5.3 gallon (20 L)	9.25 x 11.3 x 17.5 in (235 x 287 x 445 mm)							19830391	5/2
3.6 gallon (13.5 L)	9.25 x 11.3 x 13.1 in (235 x 287 x 333 mm)	HDPE	70 mm	—	6	—	—	19830392	4/2
5.3 gallon (20 L)	9.25 x 11.3 x 17.5 in (235 x 287 x 445 mm)							19830393	5/2
3.6 gallon (13.5 L)	9.25 x 11.3 x 13.1 in (235 x 287 x 333 mm)	HDPE	70 mm	—	6	—	1	19830394	4/2
5.3 gallon (20 L)	9.25 x 11.3 x 17.5 in (235 x 287 x 445 mm)							19830395	5/2
3.6 gallon (13.5 L)	9.25 x 11.3 x 13.1 in (235 x 287 x 333 mm)	HDPE	70 mm	—	4	3	—	19830396	4/2
5.3 gallon (20 L)	9.25 x 11.3 x 17.5 in (235 x 287 x 445 mm)							19830397	5/2
3.6 gallon (13.5 L)	9.25 x 11.3 x 13.1 in (235 x 287 x 333 mm)	HDPE	70 mm	—	4	4	—	19830398	4/2
5.3 gallon (20 L)	9.25 x 11.3 x 17.5 in (235 x 287 x 445 mm)							19830399	5/2
3.6 gallon (13.5 L)	9.25 x 11.3 x 13.1 in (235 x 287 x 333 mm)	HDPE	70 mm	—	4	3	1	19830400	4/2
5.3 gallon (20 L)	9.25 x 11.3 x 17.5 in (235 x 287 x 445 mm)							19830401	5/2

*Note: Height includes filter oriented in horizontal position.

UN/DOT Approved Carboys

Capacity	Nominal Dimensions W x L x H	Material Type	Cap Size	Fisher Model No	Ship wt lb/kg
3.6 gallon (13.5 L)	9.25 x 11 x 11 in (235 x 279 x 279 mm)	High-density polyethylene	70 mm	19830450	3/1
5.3 gallon (20 L)	9 x 11 x 15.5 in (229 x 279 x 394 mm)			19830451	4/2

Accessories

Description	Fisher Model No	Ship wt lb/kg
Replacement carbon exhaust filter, package of two. Filter size: 1.9 OD x 7"	19830506	2/1
Carbon exhaust filter indicator, package of two	19830510	1/1
Replacement fittings, six 1/8" fittings and six 1/4" plugs, one pack	19830508	

High-Density Polyethylene (HDPE) Carboys

Excellent chemical compatibility for storing and dispensing solvents, buffers, reagents and powders

- Interchangeable caps and adapters provide top connection flexibility
- Rectangular ergonomic design saves valuable bench space
- Material, volume, and metric graduation marks imprinted on carboys
- Constructed from USP Class VI, FDA grade materials

The ergonomic design features large handles and base with molded hand-grip, allowing you to easily lift and pour. Made of highly durable Class VI, FDA grade HDPE resin, they offer excellent chemical resistance and are ideal for various solvents, buffers, reagents, powders, and solids. Available in 83-mm and 120-mm sizes, the included polypropylene cap with platinum-cured silicone gasket provides a tight spill-proof seal. The larger 120-mm neck size allows you to reach into the carboy for quick and easy cleaning. Choose an amber carboy for light-sensitive applications.

Carboys are compatible with interchangeable adapters, and on select models, spigot fittings. Leakproof polypropylene spigots include large spigot lever with two flow rates, continuous or manual, and features an internal luer taper that fits a male barb adapter. See page 6 to select from a wide range of adapters with molded or quick connect hose barb configurations for top connection flexibility, and additional spigots and versatile barbs for alternate bottom hosing connection options.



Ergonomic, space-saving rectangular design with molded hand grips at the base and large top handles make it easy to carry, lift, and pour.



Exclusive cap designed with molded 4-point grip assists make it easy to open and tightly close for a leakproof seal.

High-Density Polyethylene Carboys

Capacity	Nominal Dimensions* W x L X H	Cap Size	Fisher Model No	Ship wt lb/kg
High-Density Polyethylene Carboys				
0.7 gallon (2.5 L)	5 x 6.7 x 12 in (127 x 170 x 305 mm)	83 mm	19830408	2/1
1.3 gallon (5 L)	5.2 x 8.7 x 16.3 in (132 x 221 x 414 mm)		19830409	3/1
2.6 gallon (10 L)	6.4 x 10.75 x 19.5 in (163 x 273 x 495 mm)		19830410	4/2
5.3 gallon (20 L)	8.1 x 13.6 x 24.2 in (206 x 345 x 615 mm)	120 mm	19830411	7/3
	8.1 x 13.6 x 25.2 in (206 x 345 x 640 mm)		19830412	7/3
10.6 gallon (40 L)	9.8 x 17.1 x 30.4 in (249 x 434 x 772 mm)		19830413	11/5
19.8 gallon (75 L)	14.4 x 18.7 x 30 in (366 x 475 x 762 mm)		19830414	18/8
High-Density Polyethylene Carboys with Spigots				
1.3 gallon (5 L)	5.2 x 12 x 16.3 in (132 x 305 x 414 mm)	83 mm	19830415	3/1
2.6 gallon (10 L)	6.4 x 13 x 19.5 in (163 x 330 x 495 mm)		19830416	4/2
5.3 gallon (20 L)	8.1 x 15.25 x 24.2 in (206 x 387 x 615 mm)		120 mm	19830417
	8.1 x 15.25 x 25.2 in (206 x 387 x 640 mm)	19830418		7/3
10.6 gallon (40 L)	9.8 x 18.75 x 30.4 in (249 x 476 x 772 mm)	19830419		11/5
High-Density Polyethylene Carboys, Amber				
0.7 gallon (2.5 L)	5 x 6.7 x 12 in (127 x 170 x 305 mm)	83 mm	19830420	2/1
1.3 gallon (5 L)	5.2 x 8.7 x 16.3 in (132 x 221 x 414 mm)		19830421	3/1
2.6 gallon (10 L)	6.4 x 10.75 x 24.2 in (163 x 273 x 615 mm)		19830422	4/2
5.3 gallon (20 L)	8.1 x 15.25 x 25.2 in (206 x 345 x 640 mm)	120 mm	19830423	7/3
10.6 gallon (40 L)	9.8 x 17.1 x 30.4 in (249 x 434 x 772 mm)		19830424	11/5
High-Density Polyethylene Carboys, Amber, with Spigots				
1.3 gallon (5 L)	5.2 x 12 x 16.3 in (132 x 305 x 414 mm)	83 mm	19830425	3/1
2.6 gallon (10 L)	6.4 x 13 x 19.5 in (163 x 330 x 495 mm)		19830426	4/2
5.3 gallon (20 L)	8.1 x 15.25 x 25.2 in (206 x 387 x 640 mm)		120 mm	19830427
10.6 gallon (40 L)	9.8 x 18.75 x 30.4 in (249 x 476 x 772 mm)	19830428		11/5

*Note: Length includes spigot, where applicable.



19830408



19830409



19830410



19830412



19830415



19830425



Made from a hard, opaque material, dark amber carboys offer good chemical resistance and protection from light.

Polypropylene Carboys

Polypropylene construction allows for proper sterilization between uses

- Constructed from autoclavable USP Class VI, FDA grade materials
- Interchangeable caps and adapters provide top connection flexibility
- Rectangular ergonomic design saves valuable bench space

These polypropylene (PP) carboys feature large handles and base with molded grip allowing you to easily lift and pour. The material type and volume are printed on the outside of the carboy along with large, easy-to-read metric graduation marks that are certified to $\pm 5\%$ accuracy. Available in 83-mm and 120-mm sizes, the included PP cap with platinum-cured silicone gasket provides a tight spill-proof seal, and the larger 120-mm neck size allows you to reach into the carboy for quick and easy cleaning. Constructed from USP Class VI, FDA grade PP resin, the carboys provide good chemical compatibility when using with various reagents, buffers, and powders. For light sensitive applications and heat stability, choose the dark amber carboy. Sanitary neck options come without screw threads for easy cleaning. Polypropylene carboys can be autoclaved at 15 PSI and 250°F (121°C) for 20 minutes.

Carboys are compatible with interchangeable adapters, and on select models, spigot fittings. Leakproof polypropylene spigots include large spigot lever with two flow rates, continuous or manual, and features an internal luer taper that fits a male barb adapter. See page 6 to select from a wide range of adapters with molded or quick connect hose barb configurations for top connection flexibility, and additional spigots and versatile barbs for alternate bottom hosing connection options.

Need a clear carboy for aqueous solutions?

Visit our website and search on copolyester (PETG) carboys, available in four sizes.



19830429



19830430



19830431



19830433



19830439



19830445

Capacity	Nominal Dimensions* W x L x H	Cap Size	Fisher Model No	Ship wt lb/kg
Polypropylene Carboys				
0.7 gallon (2.5 L)	5 x 6.7 x 12 in (127 x 170 x 305 mm)	83 mm	19830429	2/1
1.3 gallon (5 L)	5.2 x 8.7 x 16.3 in (132 x 221 x 414 mm)		19830430	3/1
2.6 gallon (10 L)	6.4 x 10.75 x 19.5 in (163 x 273 x 495 mm)		19830431	4/2
5.3 gallon (20 L)	8.1 x 13.6 x 24.2 in (206 x 345 x 615 mm)		19830432	7/3
	8.1 x 13.6 x 25.2 in (206 x 345 x 640 mm)	19830433	7/3	
10.6 gallon (40 L)	9.8 x 17.1 x 30.4 in (249 x 434 x 772 mm)	120 mm	19830434	11/5
19.8 gallon (75 L)	14.4 x 18.7 x 30 in (366 x 475 x 762 mm)		19830435	18/8
Polypropylene Carboys with 3" Sanitary Neck				
2.6 gallon (10 L)	6.4 x 10.75 x 19.2 in (163 x 273 x 488 mm)	—	19830436	4/2
5.3 gallon (20 L)	8.1 x 13.6 x 23.8 in (206 x 345 x 605 mm)		19830437	7/3
10.6 gallon (40 L)	9.8 x 17.1 x 29 in (249 x 434 x 737 mm)		19830438	11/5
Polypropylene Carboys with Spigots				
1.3 gallon (5 L)	5.2 x 12 x 16.3 in (132 x 305 x 414 mm)	83 mm	19830439	3/1
2.6 gallon (10 L)	6.4 x 13 x 19.5 in (163 x 330 x 495 mm)		19830440	4/2
5.3 gallon (20 L)	8.1 x 15.25 x 24.2 in (206 x 387 x 615 mm)		19830441	7/3
	8.1 x 15.25 x 25.2 in (206 x 387 x 640 mm)	19830442	7/3	
10.6 gallon (40 L)	9.8 x 18.75 x 30.4 in (249 x 476 x 772 mm)	120 mm	19830443	11/5
Polypropylene Carboys, Dark Amber				
1.3 gallon (5 L)	5.2 x 8.7 x 16.3 in (132 x 221 x 414 mm)	83 mm	19830444	3/1
5.3 gallon (20 L)	8.1 x 13.6 x 25.2 in (206 x 345 x 640 mm)	120 mm	19830445	7/3

*Note: Length includes spigot, where applicable.

Interchangeable Carboy Caps and Adapters

- Quick-connect cap adapters for quick and easy port changes
- Two-piece open cap and adapter design prevents tube twisting when opening
- Polypropylene (PP) caps and adapters are autoclavable

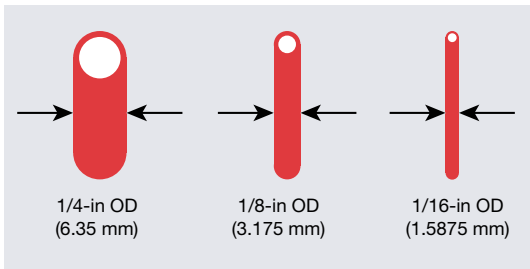
Leakproof, PP caps and interchangeable cap adapters provide a wide range of top connection configurations. Each cap is compatible with several adapters allowing you to change and configure carboy top connections based on your application requirements. Designed to be stackable, the caps feature large grips allowing you to easily open and tighten, and include platinum-cured silicone gaskets. Adapters are available with quick connect hose barb options including two, three, or four port combinations, as well as molded-in hose barb options, offering additional top connection flexibility. See pages 4 and 5 for compatible carboys. Polypropylene caps and adapters can be autoclaved at 15 PSI and 250°F (121°C) for 20 minutes.

Visit our website for nearly 40 other cap/adapter and spigot options.

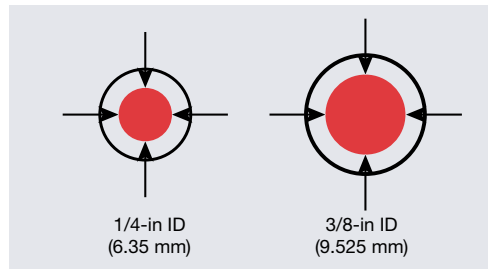


Twenty-four popular models meet a variety of applications.

Tubing Sizing Guide for Ports



For measuring OD for ports, place the tube next to each of the images to determine the correct size of the tubing.



For measuring ID for hose barb ports, place end of tube flat on image below and determine if the dark area is contained by the tubing.



Also use sizing guide for VaporTrap™ waste systems, pages 2-3.

Description	Nominal Dimensions OD X H	Cap Size	Hose Barb Size	No of Quick Disconnects	Fisher Model No	Ship wt lb/kg	
Caps							
Closed cap, package of two	5 x 2.6 in (127 x 66 mm)	83 mm	—	—	19830457	1/1	
Open cap with closed adapter, package of two	5 x 3 in (127 x 76 mm)		1/4 in (6.4 mm)		19830458		
Open cap with two hose barbs and vent	5 x 4.6 in (127 x 117 mm)				19830459		
Open cap with two hose barbs and vent			1/2 in (12.7 mm)		19830460		
Closed cap, package of two	7.5 x 4 in (191 x 102 mm)	120 mm	—	—	19830461	2/1	
Open cap with closed adapter, package of two	7.5 x 4.4 in (191 x 112 mm)		19830462				
Adapters							
Closed adapter, clear top	3.2 x 1 in (81 x 25 mm)	83 mm	—	—	19830467	1/1	
Adapter with two hose barbs	3.2 x 2.8 in (81 x 71 mm)		1/4 in (6.4 mm)		2		19830468
Adapter with two hose barbs			3/8 in (9.5 mm)				19830469
Adapter with three hose barbs			1/4 in (6.4 mm)		3		19830470
Adapter with three hose barbs							3/8 in (9.5 mm)
Adapter with four hose barbs			1/4 in (6.4 mm)		4		19830472
Adapter with four hose barbs							3/8 in (9.5 mm)
Adapter with two hose barbs and vent	3.2 x 1.9 in (81 x 48 mm)		1/4 in (6.4 mm)		—		19830474
Adapter with two hose barbs and vent			1/2 in (12.7 mm)				19830475
Closed adapter	4.7 x 2.1 in (119 x 53 mm)		120 mm		—		—
Adapter with two hose barbs	4.7 x 3.7 in (119 x 94 mm)	1/4 in (6.4 mm)		2	19830477		
Adapter with two hose barbs		3/8 in (9.5 mm)			19830478		
Adapter with three hose barbs		1/4 in (6.4 mm)		3	19830479		
Adapter with three hose barbs					3/8 in (9.5 mm)	19830480	
Adapter with four hose barbs		1/4 in (6.4 mm)		4	19830481		
Adapter with four hose barbs					3/8 in (9.5 mm)	19830482	
Adapter, converts 83 mm adapters to 120 mm	4.7 x 1.7 in (120 x 43 mm)	—		—	19830483		



Ask about other solutions for managing laboratory chemicals



Safety Cabinet for Flammables



Polyethylene Cabinet for Corrosives



Type 1 Poly Safety Cans



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EN Safety Cabinets



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