

Air Monitoring Impingers, Bubblers and Accessories



Plastic Clips/
Teflon Sleeves



Plastic Clip (64764)
Teflon Sleeve (64761)

Plastic clips fit over the connection on our 24/40 taper ground glass joints to ensure secure connections. Use full length Teflon sleeves in ground glass joints for inert, tight seals without the possibility of frozen joints.

Impingers and Bubblers

These borosilicate glass impingers (for particles) and bubblers (for gases and vapors) are ideal for NIOSH and OSHA methods that require collection of airborne contaminants by drawing them into a solution. Available with ground glass joints or threaded Teflon micro-connectors.

Threaded Midget Impingers and Bubblers Make your sampling more convenient with these borosilicate glass apparatus. The vial can be capped after sampling, thus reducing sample handling in the field (no transferring of samples from reservoir to a separate vial). The reservoir may be easily replaced with a standard or graduated screw-top vial of the same size.

Threaded Midget Impinger 20mm threads, standard glass stem. 6-dram vial (22mL) included.

SPECIFICATIONS

Length (without vial): 143mm (5 5/8")
Vial Capacity: 22mL

Threaded Midget Bubbler 20mm threads. Fritted glass stem. Back pressure <7" of water with 15mL water. 6-dram vial (22mL) included.

SPECIFICATIONS

Length (without vial): 143mm (5 5/8")
Vial Capacity: 22mL
Graduation Mark: 15mL

Spill-Resistant Midget Bubbler 24mm threads. Fritted glass stem. Back pressure <7" of water with 15mL water. 10.7-dram vial (40mL) included.

SPECIFICATIONS

Length (without vial): 143mm (5 5/8")
Vial Capacity: 40mL
Graduation Mark: 15mL

Standard Midget Impinger and Bubbler

SPECIFICATIONS

Length: 186mm (7.3")
Reservoir Length: 152mm (6")
Reservoir Capacity: 25mL
Graduations: 5mL
Glass Joint: 24/40 taper
Impinger: standard glass stem
Bubbler: fritted glass stem

In-Line Impinger Trap



Bottom cap allows easy emptying. 15mL capacity for absorbing solution. Can be packed with charcoal or other adsorbent (not included). Cap and Teflon liner included. Length: 152mm (6"); 20mm threads.

DESCRIPTION

In-Line Impinger Trap

CAT. NO.

64833

PRICE

Holder

Insert your impinger, bubbler, or in-line trap in this holder and attach the holder to your lapel, shirt pocket, or belt.

DESCRIPTION

Holder

CAT. NO.

20271

PRICE

DESCRIPTION

Threaded Midget Impinger, pk. of 2 64712-U
Threaded Midget Bubbler 64834-U
Spill-Resistant Midget Bubbler 64832
Standard Midget Impinger 20270-U
Standard Midget Bubbler 64835-U

CAT. NO.

PRICE

Air Monitoring Sampling Bags and Bulbs, Static Dilution Bottle

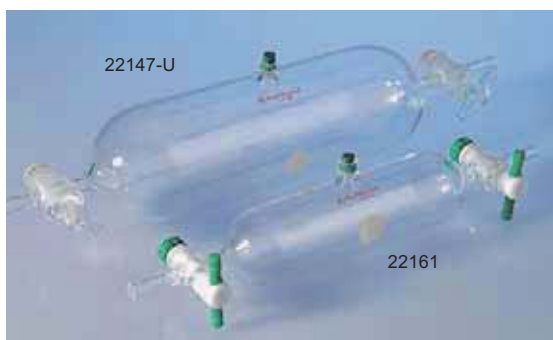


Tedlar Air & Gas Sampling Bags

Tedlar gas sampling bags are recommended in many US EPA methods, including TCLP and methods 3, 5, 18, 25, 25a, 40, 106 and others. Our Tedlar bags are an excellent value, and have several features which elevate them beyond competitors' versions. Our patented polypropylene 2-in-1 valve has a unique push-pull operation. This exclusive, ergonomic feature allows you to operate the bag's valve effectively with one hand, while preparing a connection or withdrawing an aliquot with the other hand. Equally important, the valve consistently achieves a positive open or closed setting.

Our unique valve and seam-sealing process ensure that these bags are sturdy and virtually leak-proof, even under the most demanding sampling and shipping conditions. We use 2 mil du Pont Tedlar material for superior inertness and impermeability, and assemble the bags in a controlled environment to eliminate contamination during manufacture.

MAXIMUM VOLUME	BAG SIZE (INCHES)	QTY.	CAT. NO.	PRICE
1 liter	7 x 7	10	24633	
2 liters	9 x 9	10	24654	
5 liters	12 x 12	10	24655	
10 liters	12 x 19	10	24634	
25 liters	18 x 25	5	24656	



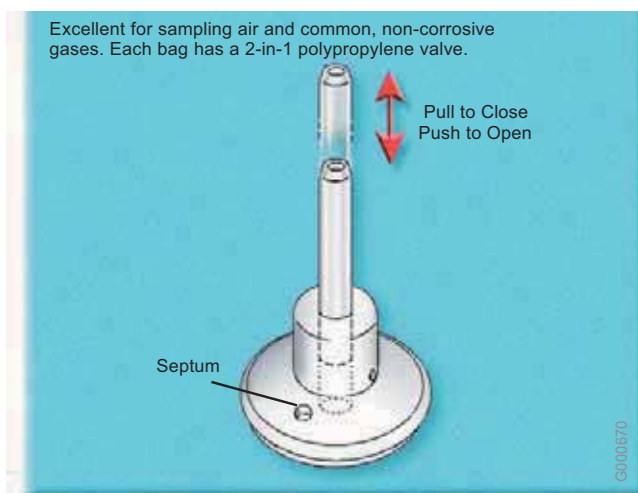
Gas Sampling Bulbs

Use these glass bulbs to trap and transport a gas sample, then remove an aliquot (through the plug-type septum) for analysis. Oven annealed to resist damage during transportation and on-site use. Available with Teflon or high vacuum glass stopcocks. One half-hole cylindrical Thermogreen septum is included with each bulb.

NOMINAL VOLUME	CAT. NO.	PRICE
GLASS STOPCOCKS		
125mL	22146-U	
250mL	22147-U	
500mL	22148-U	
1000mL	22144-U	
TEFLON STOPCOCKS		
125mL	22161	
250mL	22162-U	
500mL	22163-U	
1000mL	22145-U	

Accessories

Thermogreen Septa, half-hole, pk. of 100	20668
Teflon Stopcock Plug	64779-U



Static Dilution Bottle

- Two-liter, round-bottom flask with a threaded neck
- Accommodates a Mininert valve



Use the static dilution bottle to prepare gaseous volatile organic standards, using a technique developed by the US EPA for air analyses. Simply inject neat compound through the valve and allow it to vaporize; then withdraw the aliquots using a gas-tight syringe. Multicomponent standards are conveniently prepared and may be stored for at least one week.

DESCRIPTION	CAT. NO.	PRICE
Static Dilution Bottle	21992	
Replacement 24mm Mininert valve	33304	
Replacement Mininert septa, pk. of 50	33310-U	
Septum Inserter	33311	

Air Monitoring Filters and Cassettes



High-quality cassettes, filters, and accessories for air sampling.

P000847

P000662

Filter Products

We have carefully selected these cassettes, filters, and accessories to best meet your air sampling needs. These products, cite numerous Occupational Safety and Health Administration (OSHA) and National Institute of Occupational Safety and Health (NIOSH) methods in the United States, are universally respected for quality and reliability.

DESCRIPTION	QTY.	CAT. NO.	PRICE
ASSEMBLED CASSETTES			
25mm, 3-piece, with GN-4 Metrical membrane, 0.8µm pores (carbon-filled polypropylene)	50	23371	
25mm, 3-piece, with GN-4 Metrical membrane, 0.8µm pores (banded orange)	50	23374	
37mm, 3-piece, with GN-4 Metrical membrane, 0.8µm pores	48	23368	
EMPTY CASSETTES			
13mm, 2-piece, with washer (Swinney filter holder)	5	23367	
25mm, 3-piece	50	23372	
37mm, 2-piece	100	23369	
37mm, 3-piece, with spacer ring	100	23370-U	
FILTERS			
Mixed Cellulose Ester (MCE) Membrane Filters, with pads			
25mm GN-4 Metrical membrane, 0.8µm pores	100	23380-U	
37mm GN-4 Metrical membrane, 0.8µm pores	100	23381	
37mm GN-6 Metrical membrane, 0.45µm pores	100	23379	
Polyvinyl Chloride Membrane Filters, with pads			
37mm GLA-5000 membrane, 5µm pores	100	23387	
Polytetrafluoroethylene (PTFE) Membrane Filters, with pads			
37mm TF-1000 membrane, 1µm pores	100	23383	
25mm Zefluor filter membrane, 0.5µm pores	100	23395	
37mm Zefluor filter membrane, 1µm pores	50	23391	
37mm Zefluor filter membrane, 2µm pores	50	23390-U	
37mm Zylon filter membrane, 5µm pores	50	23389	
Borosilicate Glass Fiber Filters (Binder-Free), no pads			
13mm A/E glass fiber filter, 1µm pores	500	23376	
25mm A/E glass fiber filter, 1µm pores	500	23377	
37mm A/E glass fiber filter, 1µm pores	500	23378	
SUPPORT PADS			
37mm	100	23385	
37mm	500	23382	
ACCESSORIES			
Sealing bands for 25mm cassettes	100	23365	
Sealing bands for 37mm cassettes	100	23366	
PTFE seal washer for Swinney filter holder	each	23388	