

Scentroid Sampling Bags



Contents

TARGETS

Who Uses Scentroid Sampling Bags	p.3
Target The Right Bag Material For Your Application	p.4
A word About Fittings	p.5

Sampling Bags

Nalophan Air Sampling Bags	p.6
Tedlar Air Sampling Bags	p.7
PTFE Air Sampling Bags	p.8
Stainless Steel Air Sampling Bags	p.9

Our Unique Fitting

Different Types Of Fittings	p.10
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Place Order

Please Fill Up This Form To Place Your Order	p.11
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Who Uses Scentroid Sampling Bags?

Waste Water Treatment Plant Industries



Environmental Consultants



Laboratories



Health and Medical Industries



Universities and Researchers



Oil and Gas Refineries



Target The Right Bag Material For Your Application

Scentroid is the world leader in air sampling and odour measurement equipment and services, providing solutions to over 40 countries around the world. Our unique instruments are used by universities, government agencies, laboratories, environmental consultants, waste water treatment plants, landfills, petrochemical plants, and many other industries that deal with odour nuisances.

SCENTROID BAG MATERIAL AND CONSTRUCTION

NALOPHAN: Nalophan is an inexpensive material used for making disposable sample bags. Nalophan can be purchased pre-made or as a large roll to reduce cost. Nalophan has the shortest holding time for most compounds such as H₂S, Ammonia and VOCs.



TEDLAR: Tedlar bags provide a reusable storage medium. Scentroid Tedlar bags are made of 2 mill thick film and purged at 100 °C using scentroid's patented heat/vacuum Purger for ultimate purity.



PTFE: Scentroid is the only manufacturer offering PTFE air sampling bags. These bags offer a much higher resistance to contamination and have a longer holding time than Tedlar bags. They are also accepted bag material for all standards. PTFE Sample bags are extremely resistant to contamination and therefore can be easily cleaned and reused. PTFE sample bags are already approved by the Ministry of Environment in Ontario and almost every other jurisdiction around the world.



STAINLESS STEEL: Scentroid is the only manufacturer in the world to offer stainless steel sampling bags. Each stainless steel bag is made of electro polished marine grade (400 series) stainless steel film. Stainless steel sampling bags are ideal for sampling corrosive materials such as high H₂S or benzene. The stainless steel is rolled into a thin film that provides it with flexibility while maintaining the 100% sample preservation. Scentroid stainless Steel bags are used commonly instead of Sumo canisters.



SCENTROID, ...The FUTURE OF SENSORY TECHNOLOGY

A Word About Fittings

SCENTROID sample bag fittings are designed specifically for air sampling. SCENTROID fittings are offered in a choice of materials and styles to fit your application. Stainless steel, polypropylene, and PTFE fittings combine the connector and valve with septum into one easy to use fitting. Compression style fittings made of PTFE coated nylon are used on larger bags where low flow restriction is required.



SCENTROID Bag Pricing and Delivery

SCENTROID bags are stocked in a variety of sizes and materials and can be shipped immediately. All scentroid bags are produced in-house at our Canadian location. This means that we can manufacture custom bags to your specification at no extra charge. In most cases even custom made bags are shipped the same day.

SCENTROID — The Highest Technology in Sample Bags

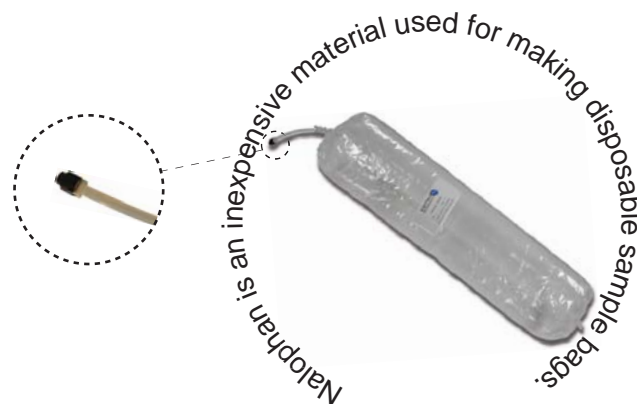
SCENTROID provides advanced air sample bags to provide the highest holding time and zero contamination. Our dedication to sample preservation and odour measurement accuracy is evident in our newly introduced pure PTFE and 100% stainless steel sample bags. Browse our products for complete description of our line of sampling equipment, sample bags and purging equipment.



Sampling Bags

Nalophan Air Sample Bags

- Quality Nalophan film for durable and reliable sampling.
- Low background odour.
- Good stability for carbon monoxide.
- Can be pre-made or as a DIY (do-it-yourself) Kit.
- Straight tube connection for zero back pressure flow.
- Scentroid one-touch caps provide secure and reliable solutions.
- Stocked in 153 mm wide tubes that can be made to any capacity; custom size bags available.
- Bags available for EPA TCLP method.



SCENTROID Nalophan bags made of classic Nalophan film are an affordable solution for air sampling. Nalophan bags are commonly used in Europe and parts of North America due to their relatively good holding time and affordable pricing. The bags are easy to use and are thrown out after one use, eliminating the need for purging and reuse.

Recommended for samples:

- Processed without long delays (less than six hours for most samples).
- With moderate VOC and H₂S.

Not recommended for samples:

- Being processed six or more hours after sampling.
- With high humidity.
- With high H₂S.
- With Benzene or other petrochemical.

Stability of air samples in Nalophan Bag

Odour Source	Recovery %	
	12 hours	24 hours
WWTP	70	45
Compost	61	40
Landfill	65	48
Gas Refinery	20	17
Swine Production	55	39
Processing Plants	68	51
Pet Food Factories	62	43
Coffee Production	80	75



Ideal For: Short Term Storage and On-Site Analysis.



Sampling Bags

Tedlar Air Sample Bags

- Dupont Tedlar film for good sample preservation.
- Good stability for VOCs and some sulfur compounds, including hydrogen sulfide.
- Good stability for carbon monoxide, carbon dioxide, methane, and sulfur hexafluoride.
- High bursting pressure to ensure samples are transported safely.
- Pre-purged using Scentoid's patented Heated Air Purger for minimal background contamination.
- Choice of fittings to match bag size and application include both compression and 2-in-1 valve/septum fittings in a variety of materials including PTFE, stainless steel, PTFE coated Nylon, and Polypropylene.
- Stocked in a variety of sizes; custom bags available.
- Bags available for EPA TCLP method.

Recommended for samples:

- Processed with moderate delay. (6 to 12 hours)
- With moderate to high VOC and H₂S.

Not recommended for samples:

- Being processed twelve or more hours after sampling.
- With low contamination (due to high background chemical levels).
- With Benzene and other petrochemicals.

SCENTROID Tedlar bags are made with Dupont Tedlar film. The Scentroid lightweight Nylon and PTFE fittings are easy to use and prevent damage to the bag from repeated operation.

Tedlar bags provides a storage median that can be reused.



Stability of air samples in Tedlar Bag



Odour Source	Recovery %	
	12 hours	24 hours
WWTP	80	60
Compost	72	69
Landfill	68	58
Gas Refinery	18	15
Swine Production	65	47
Processing Plants	78	56
Pet Food Factories	72	63
Coffee Production	75	65



Sampling Bags



PTFE Air Sample Bags

- Ultra-pure PTFE film with exceptional sample preservation.
- PTFE density of 2.2 g per cubic centimeter is twice as high as Tedlar allowing for much longer sample preservation.
- Excellent stability for most compounds including VOCs, sulfur compounds, including hydrogen sulfide.
- Excellent stability for carbon monoxide, carbon dioxide, methane, and sulfur hexafluoride.
- Excellent stability for petrochemical products such as benzene.
- Low sample absorption.
- Zero background odour allows for ambient sampling.
- UV protection helps preserve samples during transportation.
- Easy to clean and reuse (typical lifespan is 30 samples).
- Choice of fittings to match bag size and application include both compression and 2-in-1 valve/septum fittings in a variety of materials including PTFE, stainless steel, PTFE coated Nylon, and Polypropylene.
- Stocked in a variety of sizes; custom bags available.
- Bags available for EPA TCLP method.



Recommended for samples:

- Where samples are processed with long delay. (+12 hours)
- With high VOC and H₂S.
- With any petrochemical products such as benzene.
- With low odour threshold (will not contaminate sample).
- With high humidity.

Not Recommended for Samples:

- Being processed with delay exceeding 30 hours.

SCENTROID PTFE bags are made of pure PTFE film. The Scentroid lightweight Nylon and PTFE fittings are easy to use and prevent damage to the bag from repeated operation.

Scentroid is the only manufacturer offering PTFE sample bags.



Stability of air samples in PTFE Bag

Odour Source	Recovery %	
	12 hours	24 hours
WWTP	84	80
Compost	86	82
Landfill	90	82
Gas Refinery	86	75
Swine Production	78	78
Processing Plants	91	88
Pet Food Factories	87	83
Coffee Production	82	78



Sampling Bags

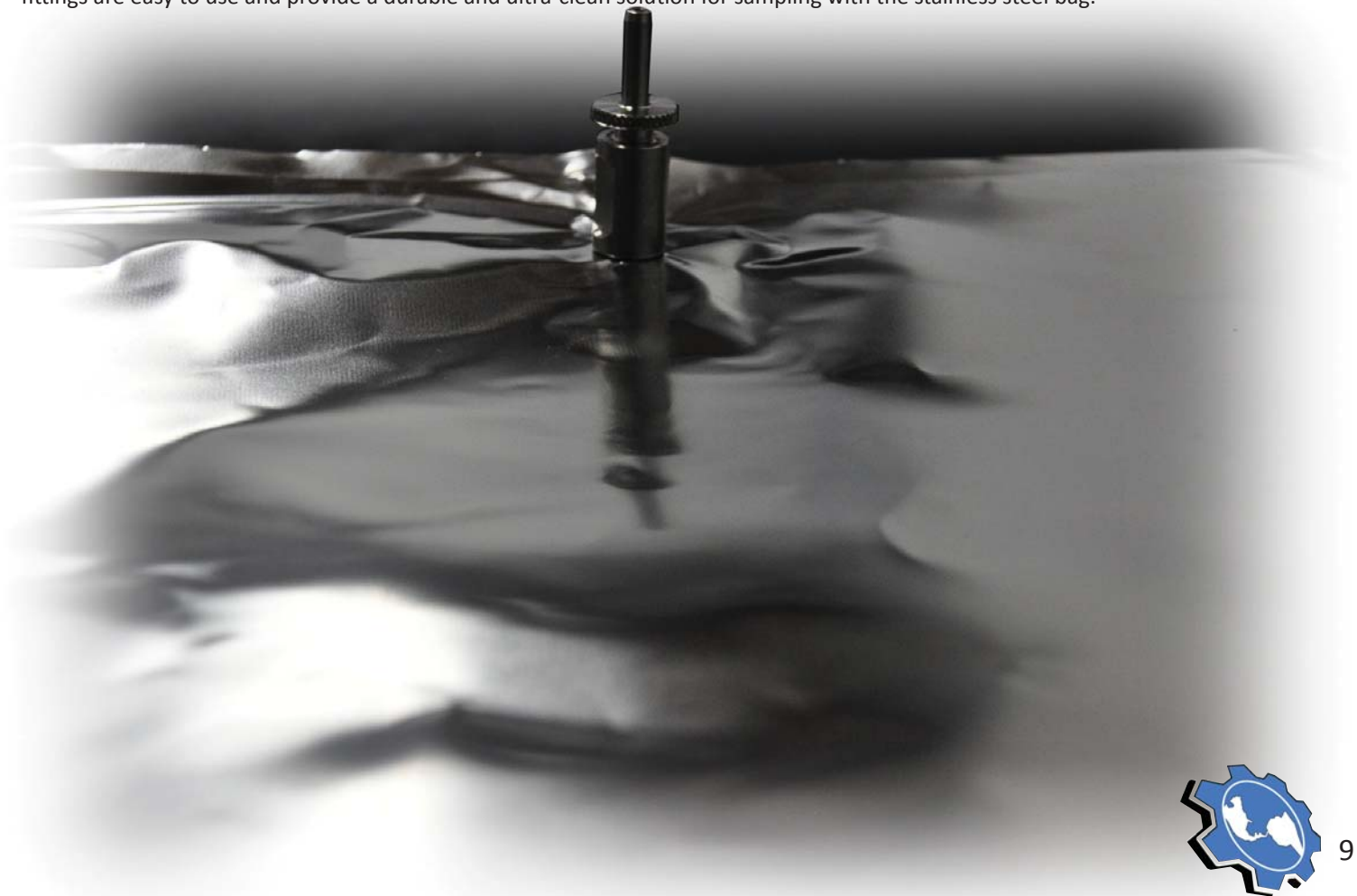
Stainless Steel Air Sample Bags

- Flexible electro-polished stainless steel film for complete sample preservation.
- Excellent stability for all chemicals and compounds.
- Excellent substitute for Sumo canisters.
- Can be used with regular sampling equipment elimination the need for vacuum generation.
- Does not require expensive cleaning procedures.
- Extremely durable for ease of transportation.
- Perfect for GCMS analysis as container has zero chemical contamination.
- Available in 10 L bag.

Recommended for Samples:

- Where GCMS analysis were purity is a must.
- With ultra-high H₂S content where sample preservation is critical.
- With high concentration of petrochemical compounds.

SCENTROID Stainless Steel bags made of pure 400 series stainless steel film and welded at the seams. The Scentroid stainless steel fittings are easy to use and provide a durable and ultra-clean solution for sampling with the stainless steel bag.



Fittings



Select a Fitting

SCENTROID sample bags are stocked with a choice of fittings to meet your applications.

SCENTROID bag fittings are not "off-the-shelf" industrial fittings but are designed specifically for air sampling. Choose from quality fittings including dual stainless steel, all-in-one single polypropylene, or Nylon compression fittings.



All Scentroid sample bags are manufactured in a dedicated, closed room with continuous air filtration via 3 HEPA and carbon filtration systems.

All bags are tested to pressure of 10 inches of water to ensure strong and reliable seals.

Stainless Steel Fitting: These all stainless steel fittings are used only on Scentroid stainless bags. This type of fitting is highly resistant to corrosive materials and can be used in high temperature sampling.

PTFE Coated Nylon: These fitting offer zero resistance on the sample flow and therefore are the ideal choice for large sample bags. They also allow attachment of tubing or syringe sample extraction by changing caps.

2 IN 1 Polypropylene : On/Off valve function with replaceable septum in a single unit. Quick, easy opening and closing of valve. Less than one half turn opens/closes the valve. These fittings fit all 1/4" and 6 mm tubing.

2 In 1 PTFE Fitting: The combination fitting and septum is made of pure PTFE and offers high corrosion resistance. The fittings are light weight and therefore provide an excellent choice for PTFE sample bags. The 2in1 PTFE fittings have some flow resistance and therefore are recommended for bags of 1 to 5 L.

1/8" Barb Stainless Steel Fitting: The stainless steel barbed fittings are used in autosamplers and where the sample bag must remain in the process.



Sample Bags Order

For **PTFE** and **Tedlar**

Select Your Bag, Size, Fitting



☐ PTFE

☐ Tedlar

☐ 1L (7"x7")

☐ 3L (7"x14")

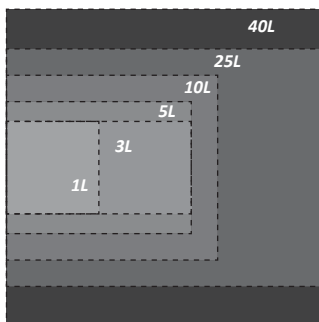
☐ 5L (10"x14")

☐ 10L (14"x16")

☐ 25L (18"x24")

☐ 40L (18"x24")

☐ Other: Length _____" Width _____"



Quantity of bags _____



☐ PTFE Coated Nylon

☐ 2 In 1 PTFE Fitting

☐ 2 IN 1 Polypropylene

☐ 1/8" Barb Stainless Steel Fitting

Quantity of fittings _____

For **Nalophan**

Nalophan Bag



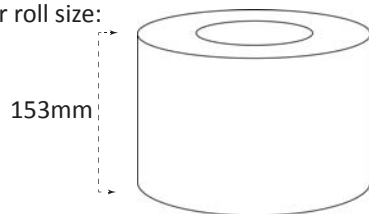
Select your bag size: ☐ 5L ☐ 10L ☐ 20L ☐ Other: Length _____" Width 153 mm

Quantity of bags _____ Quantity of caps _____

Nalophan Roll



Select your roll size:



☐ 100m

☐ 300m

☐ 500m

☐ 1000m

Nalophan DIY (do-it-yourself) Kit:

Roll for 100 bags

20 Caps

1 Cable tie gun

50 Cable ties

(10' x 1/4") PTFE tubing

Quantity of kits _____

For **Stainless Steel**

Stainless steel Bag



Stainless Steel bag size is 12"x24" and it comes with a stainless steel fitting.

Quantity of bags _____

