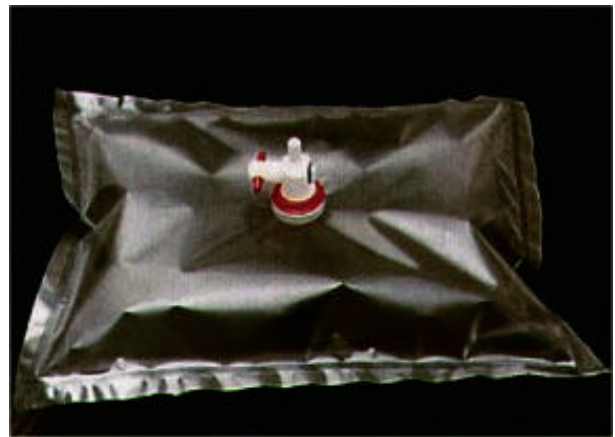


# GAS AND ODOUR SAMPLING BAGS

Welded from FEP and Tedlar PVF Films

- No contamination of gas sample
- Easily cleaned for re-use by gas flushing
- Very low permeation of gases through the wall of the bags
- Range of inert connectors for ease of use
- Wide range of sizes
- Special designs for unusual requirements
- Internal manifolds if required
- Single or multiple-use designs



Gas sampling bags from the ADTECH range are designed and manufactured for critical environmental applications where contamination of either the bag or content must be kept to a minimum. They are made from carefully selected fluoroplastic films and produced under clean conditions.

We have designed and built our own film welding equipment to ensure seams of the highest integrity in these specialised materials.

The bag connectors are manufactured in pure PTFE ( and inserted in the bag in such a way that only fluoroplastic material can come into contact with the gas sample. A range of various types of connector are available as standard.

Bags are manufactured in a range of standard sizes but any size can be made to order.

The bag films used as standard are FEP and Tedlar PVF in 50 micron (0.002"). However we can manufacture in most other film materials for special requirements.

## Bag Design and Selection

A list of standard bag sizes, connectors and internal parts is printed overleaf. Bags are normally manufactured to order and therefore the actual connectors etc. required are specified at time of order.

**Bag material selection:** FEP gives the ultimate in low contamination and easy cleaning and is specified normally for odour sampling and where very low ppm are involved. Tedlar PVF is tougher and more economical and is commonly used in vehicle emission testing.

Multiple use bags in FEP will have Kapton reinforced welds to increase life and larger multiple use bags are often specified with internal FEP scavenger pipes to ensure complete evacuation of gases before re-using the bag.

The range of connectors is offered to suit most applications. More than one connector can be fitted e.g. an inlet/outlet valve plus septum insert.

We have over 10 years experience of manufacturing fluoroplastic sampling bags and are pleased to individually discuss a customers requirements, and to offer the most effective solution.

Made from FEP & Tedlar 50 micron film

CAPACITY	SIZE	CAPACITY	SIZE
3 litre	250 x 250 mm	75 litre	600 x 1000 mm
5 litre	300 x 300 mm	100 litre	600 x 1200 mm
10 litre	300 x 500 mm	175 litre	750 x 1500 mm
20 litre	450 x 450 mm	200 litre	1000 x 1000 mm
50 litre	600 x 600 mm	300 litre	1000 x 1500 mm
60 litre	600 x 900 mm		

Bags will be damaged by over inflation, so allow for this when specifying bag size.

### Standard Connectors



PTFE 1/4" (6.3mm) Tube Type



PTFE 16mm male/1/8" NPT Female



PTFE 1/8" NPT Female



PTFE 1/4" Spigot Tap Valve



PTFE Septum

#### OPTIONS

- Metal eyelets for supporting bag
- Curtain seams for support rod
- Multiple connectors
- Internal PTFE scavenger tubes
- Other films and film thicknesses
- Special connectors and additional fittings
- FEP or PTFE external tubing