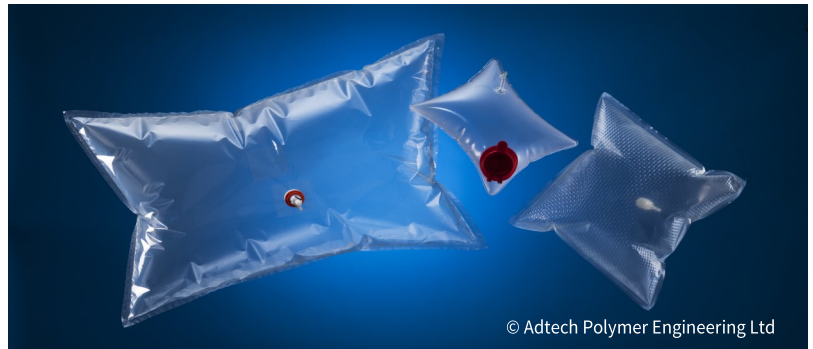


Welded from FEP, PVDF and Tedlar PVF Films

- ◆ 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 are produced under clean conditions.

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

The bag connectors are manufactured in pure Teflon® PTFE (with the exception of the general purpose dual-use polypropylene fitting) and inserted in the bag in such a way that only fluoroplastic material comes into contact with the gas sample. A wide range of connectors are available as standard.

Bags are manufactured in a range of standard sizes, but any size can be made to order. We can also offer cuboid chambers.

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

Teflon and Tedlar® - trademark of Du Pont de Nemours

Still need help? Our experienced customer service staff are here to help, so please call on +44 (0) 1285 762000 or email sales@adtech.co.uk.

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.

We do stock small capacity bags (1 litre to 10 litre) in Tedlar PVF with either a PTFE or Polypropylene Dual-Use fitting.

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

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

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

We have over 20 years experience of manufacturing fluoroplastic sampling bags and are pleased to individually discuss a customers requirements, and to offer the most effective solution.

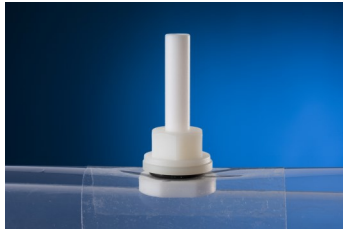
Standard Adtech Gas Bag Sizes

Made from FEP, PVDF and Tedlar PVF 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 1200mm
10 litre	300 x 500 mm	175 litre	750 x 1500mm
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 sizes.

Standard PTFE Connectors



PTFE 1/4" Standard Connector



Polypropylene 3/16" Dual
Use Connector



PTFE 3/16" Twist Connector



PTFE 1/8" NPT Female Connector



PTFE 1/4" Tap Valve Connector



PTFE Septum Connector

Options

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

Looking for a custom size bag for a very specific application?

Our experienced customer service staff are here to help, so please call on +44 (0) 1285 762000 or email sales@adtech.co.uk.