

## Bunker Sampler Storage System (FG-K16091-KW)



Certified by Germanischer Lloyd, the Kittiwake Bunker Sample Storage System is a completely self-contained unit providing everything needed to comply with the collection, retention and storage of bunker fuel oil samples in accordance with IMO MARPOL regulations.

- All equipment is contained in a robust, metal case that is fully lockable for safe and secure sample storage.
- Certified by Germanischer Lloyd, providing everything you need to ensure that your fuel samples are compliant with IMO MARPOL 73/78 Annex VI regulations.
- Complete with log book to record your sample details, plus training CDs and full instructions on bunker sampling and the latest regulations.
- Replacement consumables and a full range of bunker samples are easily available at short notice from Kittiwake and can be shipped to the destination of your choice.

### Sampling Accessories

**Fuel Sampler** - The fuel sampler is designed to fit into an existing fuel supply line and can be removed with the line full. Supplied in a single size, it can be modified to fit fuel delivery lines between 3 and 12 Inches.

**Cubitainers** - Drip samplers use disposable 'cubitainers'. These hold the oil sample before mixing and transfer to the sample bottles and keep out all external contamination.

**Valve Lock** - Some authorities, for example the Port of Singapore, require that the sample flow rate is fixed throughout the bunkering period. The Valve Lock device can be fitted to the sampler to ensure the setting remains stable.

**Converter Bobbin** - The Converter Bobbin is a low cost device designed to allow DNVPs Samplers to use Kittiwake Cubitainers.

**Sampler Gauge** - Rapid flow of fuel in bunker lines can result in unusual pressure conditions. A gauge is available for monitoring this to prevent the sample being drawn back into the line.

**Elbow Kits For Alternative Positions** - It is possible to position the sampler tube at an angle to the vertical. Elbow kits are designed to keep the cubitainer bag hanging vertically as either a 45 or 90 degree Elbow.

### Ordering Information

Part Number	Description
<b>FG-K11079-WA</b>	Fuel Sampler (x 1 off)
<b>FG-K3-201-KW</b>	Cubitainers (x 24 off)
<b>FG-K1-139-KW</b>	Valve Lock (x 1 off)
<b>FG-K3-021-KW</b>	Converter Bobbin (x 1 off)
<b>FG-K11168-KW</b>	Sampler Gauge (x 1 off)
<b>FG-K13588-KW</b>	Elbow Kit for 45 degree Elbow
<b>FG-K13589-KW</b>	Elbow Kit for 90 degree Elbow
<b>FG-K16692-KW</b>	Bunker Sampler Plug and Lanyard



### Fuel Oil Sample Bottles and Labels

Kittiwake produce 750ml HDPE fuel oil sample bottle packs and mailer kits complete with numbered tamper evident caps, labels and mailing cartons\*. Kittiwake sample bottles have been tested and approved for transportation of fuel oil samples by air freight or courier service. All consumables are available either as convenient individual packs, or supplied in bulk to refineries and bunker barge operations.

#### Sample Bottle Packs and Extra Security Seals

Part Number	Description	Quantity
<b>FG-K3-210-KW</b>	750ml Sample Bottle and Mailer Kit	40
<b>FG-K3-211-KW</b>	750ml Sample Bottle Pack	70
<b>FG-K17111-KW</b>	Bottle Shoulder and Valve Lock Seals	100

#### Labels

Part Number	Description	Quantity
<b>FG-K26280-KW</b>	IMO MARPOL Approved Fuel Sample Label	1000
<b>FG-K26783-KW</b>	Standard Fuel Sample Label	1000
<b>FG-K17103-KW</b>	Clear Adhesive Marpol Over Label	1000

\*Mailer cartons only included in FG-K3-210-KW