



SEA SLUG – OCEAN TOWABLE BLADDER

INTRODUCTION

ENVIRONMENTAL & OIL SPILL RESPONSE

Canflex (USA), Inc. is a major U.S. Manufacturer of high frequency welded products made with special high strength PVC or Urethane coated fabrics, such as polyester, nylon, and Kevlar. All of our products are collapsible and can be folded for easy storage and transportation. All fittings are made from cast anodized marine-grade aluminum; any nuts, bolts, and washers integral to the fittings are made of stainless steel. Filling and discharge hose connections are generally cam-lock type with the size depending on the user's needs.

Canflex "Sea Slug" Ocean Towable Bladders are ideal for Oil Spill Recovery and primarily used on water. Special material coatings are available allowing varied storage and transportation uses such as Potable (drinking) Water, Hydrocarbons or Waste products.

The "Sea Slug" bladders are very rugged units with a cylindrical main body and matching conical ends, giving them great towing characteristics.

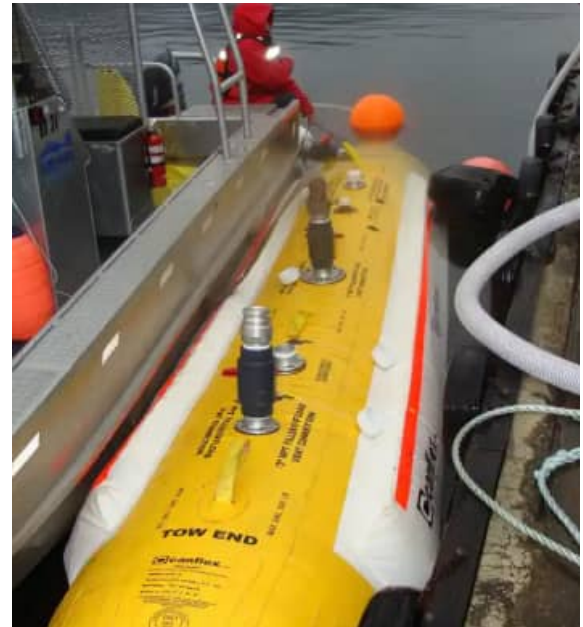
The ends are constructed so the towing force is evenly distributed through the fabric panels of the product, rather than the hardware connecting the end fittings. This increases the product longevity.

The streamlined shape and inherent floatation allow the "Sea Slug" to be used in ocean environments while filled with fluid, including high-density, weathered oils. Its design also includes an inclined bow which encloses an air chamber that ensures the bow rides high on the water and maintains a streamlined shape. This enhances optimum towing speed when loaded.

The superior Canflex engineering and design, plus high-strength coated fabrics we use, allow these bladders to be used safely for training and practical applications repeatedly over an extended period of time.

Series 1 Sea Slugs Characteristics

- Reliable, fast response units
- Lightweight, easy and compact storage
- Limited personnel needed on deployment and retrieval
- Low draft units, ideal for shallow waters
- Foam filled rectangular flotation side panels
- Available with high-density coated materials
- Available in 2", 3", and 4" connections
- Clip-Lok plywood crate included for packing, storage and transportation



Series 2 Sea Slugs Characteristics

- Reliable, fast response units
- Lightweight, easy and compact storage
- Limited personnel needed on deployment and retrieval
- Low draft units, ideal for shallow waters
- Foam filled rectangular flotation side panels
- Available with high-density coated materials
- Available in 2", 3", and 4" connections
- Clip-Lok plywood crate included for packing, storage and transportation



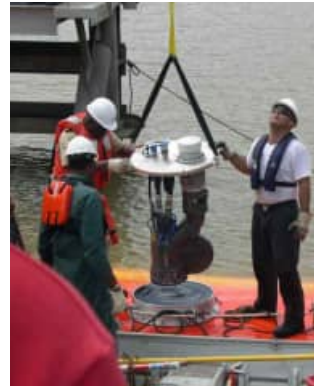
OFFLOADING

CANFLEX (USA), INC. offers a proven submersible pump off load system for our "Sea Slug" ocean-towable bladders. In addition Canflex offers a manufactured top center offload hatch assembly that allows the submersible pump to be lowered into the bladder. This top center hatch opening is available in sizes of 12", 16" and 25" diameter for 20m capacity bladders or larger.

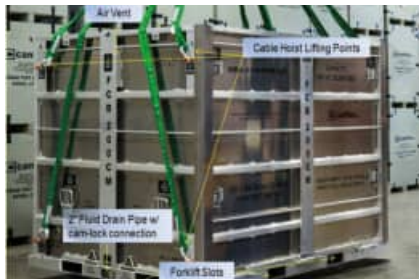
This is a fast and efficient method of offloading. It is achieved by simply lowering the pump with the custom watertight cap with the pump attached into the Sea Slug. With the pump now locked inside the bladder, all hydraulic power hoses and offload fluid connections can quickly be connected to external fittings on our pump adaptation cap.

Canflex can offer submersible pumps with off load capacities from 20m /h to 300 m /h or larger.

These high capacity pumps driven by their respective diesel engine powered hydraulic power packs will offload a wide variety of fluids including high viscosity crude oils. Also available are non submersible portable diesel engine powered type pumps with offload capacities from 11m /h to 600m /h or larger. This type of pump can be connected to our stern offload hose connection or at one of the top NPT flanged fittings.



PACKING, STORAGE & TRANSPORTATION



MARINE GRADE

Aluminum Shipping / Storage Crate

- Made of marine-grade anodized aluminum 6011-T6
- Includes container certification for WLL and SF
- Forklift slots on all sides
- 8 lifting points for safe overhead lifting with a crane or helicopter
- Complete with certified set of lift harness and shackles
- Fold down and removable side door
- Lockable aluminum lid
- Two screened air vents
- Secondary fluid storage containment
- Replaceable PVC coated fabric inner liner with bungee cord tie downs
- 2" bottom drain with male camlock

CLIP-LOK STYLE

Plywood Shipping / Storage Crate

- Made of Heat Treated 3/4" plywood to comply with ISPM 15 standards, certified for International Exports
- Forklift slots on all sides
- Special weather resistant coating
- Quick assembly and collapsible with no nails or screws
- Easily flat-packed reducing transport and storage volume
- Two screened vents for air circulation
- Suitable for transport by road, rail, sea or air



SEA SLUG SERIES 1 – OCEAN TOWABLE BLADDER

| Model | Capacity | Length | Diameter | Auxiliary Floa- tation | Dry Weight with accessories | Draft (Full) | Material Weight DIN 53853 | Material Color | Side Floats Flotation | Shipping / Storage Crate | Standard Fill / Offload Fittings |
|----------|-------------------------|--------|----------|---------------------------|--------------------------------|--------------|---------------------------------|-------------------|--------------------------|--------------------------|-------------------------------------|
| | m ³ /Barrels | m | m | kg | kg | m | g/m ³ | | | | |
| | USG | ft | ft | lb | lb | ft | oz/yd ² | | | | |
| FCB-5CM | 5.0 / 31.5 | 6.2 | 1.1 | 467 | 111 | 0.98 | 1622 | Int. Yellow | Air | Clip-lok plywood box | 2" |
| | 1,320 | 20 | 3.5 | 1030 | 244 | 3.13 | 48 | | | | |
| FCB-10CM | 10.0 / 63 | 9.2 | 1.3 | 585 | 163 | 1.16 | 1622 | Int. Yellow | Air | Clip-lok plywood box | 2" |
| | 2,640 | 30 | 4.2 | 1290 | 360 | 3.76 | 48 | | | | |
| FCB-16CM | 16.0 / 100 | 9.1 | 1.7 | 635 | 172 | 1.52 | 1622 | Int. Yellow | Air | Clip-lok plywood box | 2" |
| | 4,300 | 29.8 | 5.6 | 1400 | 380 | 5.01 | 48 | | | | |
| FCB-20CM | 20.0 / 126 | 9.7 | 1.8 | 572 | 295 | 1.61 | 1622 | Int. Yellow | Air | Clip-lok plywood box | 2" |
| | 5,285 | 32 | 5.9 | 1260 | 650 | 5.28 | 48 | | | | |
| FCB-25CM | 25.0 / 157 | 11.7 | 1.8 | 603 | 313 | 2.50 | 1622 | Int. Yellow | Air | Clip-lok plywood box | 2" |
| | 6,600 | 38.5 | 5.9 | 1330 | 690 | 1.61 | 48 | | | | |
| FCB-30CM | 30.0 / 190 | 13.7 | 1.8 | 662 | 335 | 1.61 | 1622 | Int. Yellow | Air | Clip-lok plywood box | 2" |
| | 7,925 | 44.9 | 5.9 | 1460 | 740 | 5.28 | 48 | | | | |

NOTE: Custom sizing optional.

SEA SLUG SERIES 2 - OCEAN TOWABLE BLADDER

| Model | Capacity | Length | Diameter | Auxiliary Floatation | Dry Weight with accessories | Draft (Full) | Material Color | Side Floats Flotation | Shipping / Storage Crate | Standard Fill / Offload Fittings |
|-----------|-------------------------|--------|----------|----------------------|-----------------------------|--------------|----------------|-----------------------|--------------------------|----------------------------------|
| | m ³ /Barrels | m | m | kg | kg | m | | | | |
| | USG | ft | ft | lb | lb | ft | | | | |
| FCB-50CM | 50.0 / 315 | 14.3 | 2.3 | 1764 | 818 | 2.06 | Int. Orange | Air | Aluminum | 4" and 16" center flange |
| | 13,200 | 47 | 7.5 | 3890 | 1800 | 6.71 | | | | |
| FCB-100CM | 100 / 630 | 20 | 2.8 | 2431 | 1088 | 2.50 | Int. Orange | Air | Aluminum | 4" and 16" center flange |
| | 26,400 | 66 | 9.2 | 5360 | 2400 | 8.23 | | | | |
| FCB-150CM | 150 / 945 | 20.4 | 3.50 | 2550 | 1200 | 3.13 | Int. Orange | Air | Aluminum | 4" and 16" center flange |
| | 39,650 | 67 | 11.3 | 5620 | 2650 | 10.11 | | | | |
| FCB-200CM | 200 / 1260 | 22.6 | 3.70 | 2817 | 1542 | 3.31 | Int. Orange | Air | Aluminum | 4" and 16" center flange |
| | 52,850 | 74.3 | 12.2 | 6210 | 3400 | 10.91 | | | | |
| FCB-250CM | 250 / 1575 | 27.1 | 3.70 | 3450 | 1746 | 3.31 | Int. Orange | Air | Aluminum | 4" and 16" center flange |
| | 66,000 | 88.9 | 12.2 | 7610 | 3850 | 10.91 | | | | |

NOTE: Custom sizing optional.