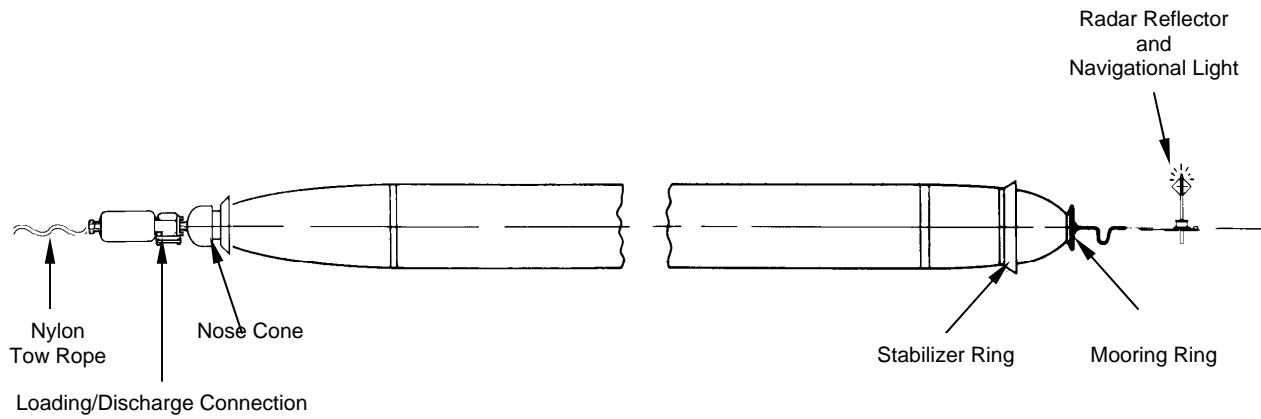


S0300-BV-CAT-020

136K-GALLON OIL STORAGE BLADDER P14100

S0300-BV-CAT-020



136K-Gallon Oil Storage Bladder P14100

OIL STORAGE BLADDER, 136K-GALLON

SYSTEM NUMBER P14100

SYSTEM DESCRIPTION

The Oil Storage Bladder System P14100 consists of a 136,000-gallon capacity towable rubber storage bladder, a bladder repair kit, an electric blower, a marker buoy, and ancillaries to connect and operate the system. The bladder is designed to carry petroleum products and other liquids that are lighter in weight than water. At the spill site, the bladder can be used to hold oil discharged directly from the smaller 26,000-gallon and 50,000-gallon oil recovery bladders used with the Rapid Deployment Skimmer System (RDSS).

SYSTEM COMPONENTS

<u>Item</u>	<u>ESSM Number</u>	<u>Qty</u>
1. Blower, Electric, Portable	BL0403	1
2. Buoy, Marker, Dracone	BU0023	1
3. Bladder, Oil Storage, 136k-gallon, type L, rubber	OB0800	1
4. Repair Kit, Bladder	OB0801	1

S0300-BV-CAT-020



Portable Electric Blower BL0403

BLOWER, ELECTRIC, PORTABLE

ESSM NUMBER BL0403

DESCRIPTION

The Portable Electric Blower BL0403 consists of a 120-volt, 60-cycle motor and squirrel cage type blower. The blower is used to inflate the empty Dracone for entry during inspection and repair. This blower will inflate an "L" type barge in approximately 60 minutes. A collapsible polyester duct or spiral tube duct can be attached to the blower outlet for normal pressure operations.

SPECIFICATIONS

Manufacturer	Homelite
Model	200 EB-1
Voltage	120/240
Cycles	60
Phase	Single

PHYSICAL CHARACTERISTICS

Length	2 ft, 0 in.
Width	1 ft, 4 in.
Height	1 ft, 5 in.
Cube	4 cu ft
Weight	66 lb

REFERENCES

None

S0300-BV-CAT-020



Dracone Marker Buoy BU0023

BUOY, MARKER, DRACONE

ESSM NUMBER BU0023

DESCRIPTION

The Dracone Marker Buoy BU0023 consists of a 40" diameter styrofoam base for flotation. Extending 22" above the base is a 12" diameter column, which houses a 6-volt battery and a steady-burn white light with lens. The light's on/off function is controlled automatically by a photocell. The Marker Buoy is to be exhibited at or near the aftermost part of the Dracone being towed or moored.

SPECIFICATIONS

Manufacturer Curd Enterprises

PHYSICAL CHARACTERISTICS

Height	4 ft, 2 in.
Diameter	3 ft, 4 in.
Cube	47.5 cu ft
Weight	92 lb

REFERENCES

None

S0300-BV-CAT-020



Oil Storage Bladder OB0800

**BLADDER, OIL STORAGE,
136K-GALLON, TYPE L****ESSM NUMBER OB0800**

DESCRIPTION

The Oil Storage Bladder OB0800 is a flexible tube designed to carry petroleum products and other liquids that are lighter in weight than water. The storage bladder skin is made of nylon cord and a woven nylon fabric with weatherproof and abrasive-resistant synthetic rubber. The bladder is towed behind a skimming vessel using a 6-inch tow line. A 4-inch or 6-inch loading and discharge hose is attached to the tow line for filling and discharging skimmed oil to and from the bladder. The bladder is shipped on a pallet that includes a storage area for the accompanying tool set and ancillary equipment.

SPECIFICATIONS

Manufacturer	Dunlop General Rubber
Model	Dracone barge, Type L
Shell material:	
Outer proofing	Neoprene
Skin	Nylon cord and woven nylon fabric
Inner proofing	Nitrile rubber for petroleum products
Buoyancy system	Two internal inflatable tubes
Towing hose bore	4 in. and 6 in.
Horsepower absorbed by barge at various speeds	4 knots - 32 (80) 6 knots - 106 (265) 8 knots - 254 (635) (Figures in parentheses above are recommended reserve horsepower required in towing vessel, assuming a 40% efficiency.)
Drag (in pounds) fully loaded in sea water	4 knots - 2620 6 knots - 5750 8 knots - 10,340
Nose strength	30 tons
Formula for equivalent drag hp	(Drag lbs x speed fps)/550
Oil capacity	
In-shore towing	100% - 136,000 gal (3238 bbl)
Open-sea towing	85% - 116,450 gal (2773 bbl)

**BLADDER, OIL STORAGE,
136K-GALLON, TYPE L (CONTD)**

ESSM NUMBER OB0800

PHYSICAL CHARACTERISTICS

	<u>Shipping</u>	<u>Operating</u>	
Length	20 ft, 0 in.	Length	221 ft, 0 in.
Width	8 ft, 0 in.	Diameter	10 ft, 9 in.
Height	8 ft, 0 in.	Empty weight	8930 lb
Cube	1280 cu ft		
Weight (shipping rack w/ancillary)	16,330 lb		

REFERENCES

1. The Dracone Barge Handling, Operating, and Maintenance Manual; William Wood and Associates, New Orleans, LA.

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Bladder Repair Kit OB0801

REPAIR KIT, BLADDER

ESSM NUMBER OB0801

DESCRIPTION

The Repair Kit OB0801 consists of various tools, a patching kit with patching procedures, a white marker light, two 6-volt batteries and bulbs, MSDS sheets, and a laminated inventory. The Repair Kit is designed to maintain the oil storage bladder during an operational deployment.

SPECIFICATIONS

Manufacturer ESSM Facility

PHYSICAL CHARACTERISTICS

Length	1 ft, 8 in.
Width	10 in.
Height	1 ft, 1 in.
Cube	2 cu ft
Weight	34 lb

REFERENCES

None

