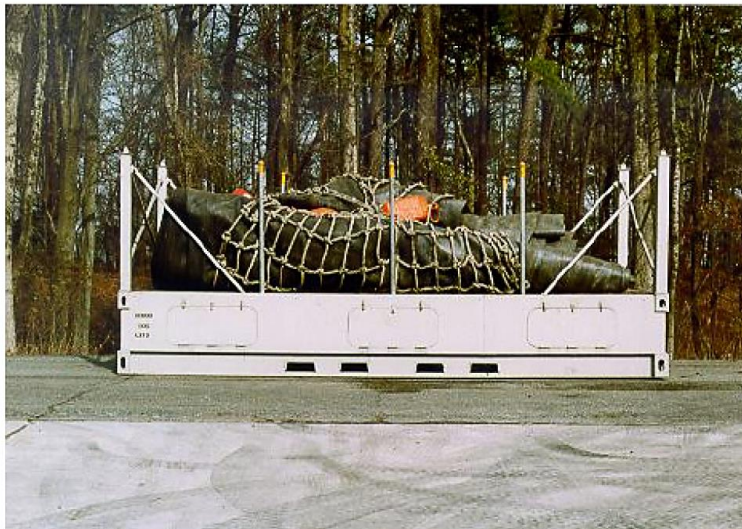
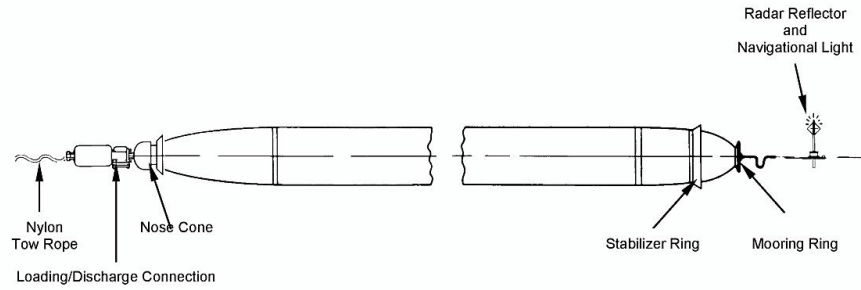


# S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

System - P14100



**136K-Gallon Oil Storage Bladder P14100**

# S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

System - P14100

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 skimmer systems.

## System Components for P14100

Alternates

ESSM No	Nomenclature	Type	Qty	NS	Cont
<b>FR0010</b>	FLAT RACK, 20'	BL	1		Y
BL0403	BLOWER, ELEC, PORTABLE	Contents	1		
BL0403A	BLOWER, ELEC, PORTABLE (EXPLOSION PROOF)	ALTN		*	
BU0023	BUOY, MARKER, DRACONE	Contents	1		
BU0023A	BUOY, MARKER, DRACONE, W/SOLAR LIGHT	ALTN		*	
OB0800	BLADDER, OIL STORAGE, 136K-GAL, TYPE L, RUBB	Contents	1		
OB0801	REPAIR KIT, BLADDER	Contents	1		
<b>FR0015</b>	RACK, DRACONE, 20'	ALTN			

Baseline verified on 6/24/2014, \* Not shown in catalog.

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System - P14100

## ESSM - FR0010 FLAT RACK, 20'



Flat Rack FR0010

The 20 Flat Rack FR0010 is used to store (also ship) the 136K-Gal Oil Bladder (OB0800), Portable Blower (BL0403), Dracone Marker Buoy (BU0023), and the Bladder Repair Kit (OB0801).

### Specifications

Type	Description	Qty
Manufacturer	ESSM Facility	
Model	FR0010	

### Physical Characteristics

Type .....	Descriptions .....		
	Shipping		
Length	20 ft, 0 in		
Width	8 ft, 0 in		
Height	8 ft, 6 in		
Cube	1360 cu ft		
Footprint	160 sq ft		
Weight	16500 lbs		

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## References

Ref No	Reference
1	None

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## ESSM - BL0403 BLOWER, ELEC, PORTABLE



Portable Electric Blower BL0403

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

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

### Physical Characteristics

Type .....	Descriptions .....		
	Shipping	Operating	
Length	2 ft, 0 in	2 ft, 0 in	
Width	1 ft, 4 in	1 ft, 4 in	
Height	1 ft, 5 in	1 ft, 5 in	
Cube	4 cu ft	4 cu ft	

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## Physical Characteristics

Type .....	Descriptions .....		
Footprint	3 sq ft	3 sq ft	
Weight	66 lbs	66 lbs	

## References

Ref No	Reference
1	None

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System - P14100

## ESSM - BU0023 BUOY, MARKER, DRACONE



Dracone Marker Buoy BU0023

The Dracone Marker Buoy BU0023 consists of a 36" diameter styrofoam base for flotation. Extending 22" above the base is a 12" diameter column, which in operating configuration 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.

REV 042414 TS

### Specifications

Type	Description	Qty
Manufacturer	Curd Enterprises	
Model	507-502-001	

### Physical Characteristics

Type .....	Descriptions .....		
	Shipping	Operating	
Length	3 ft, 0 in		
Width	3 ft, 0 in		
Height	5 ft, 0 in	5 ft, 0 in	
Diameter		3 ft, 0 in	
Cube	45 cu ft		
Footprint	9 sq ft		

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## Physical Characteristics

Type .....	Descriptions .....		
Weight (lb)	110	110	

## References

Ref No	Reference
1	None



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System - P14100

## ESSM - OB0800 BLADDER, OIL STORAGE, 136K-GAL, TYPE L, RUBBER



Oil Storage Bladder OB0800

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		
Type	Description	Qty
Manufacturer	Dunlop General Rubber	
Model	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	4 knots - 32 (80)	
barge at various speeds	6 knots - 106 (265)	

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OIL STORAGE BLADDER, 136K-GALLON

System - P14100

## Specifications

Type	Description	Qty
	8 knots - 254 (635)	
	(Figures in parentheses above are recommended reserve horsepower required in towing vessel, assuming a 40% efficiency.)	
Drag (lbs) 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)	

## Physical Characteristics

Type .....	Descriptions .....		
	Shipping	Operating	
Length	20 ft, 0 in	221 ft, 0 in	
Width	8 ft, 0 in		
Height	8 ft, 0 in		
Cube	1280 cu ft		
Weight (shipping rack w/ancillary)	16,330 lb		
Diameter		10 ft, 9 in	
Empty weight		8930 lb	
Footprint	160 sq ft		

## References

Ref No	Reference
1	The Dracone Barge Handling, Operating, and Maintenance Manual; William Wood and Associates, New Orleans, LA

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System - P14100

## ESSM - OB0801 REPAIR KIT, BLADDER



Bladder Repair Kit OB0801

The Bladder Repair Kit OB0801 consist 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

Type	Description	Qty
Manufacturer	ESSM Facility	
Model	OB0801	

### Physical Characteristics

Type .....	Descriptions .....		
	Shipping		
Length	1 ft, 8 in		
Width	0 ft, 10 in		
Height	1 ft, 1 in		
Cube	2 cu ft		
Footprint	2 sq ft		
Weight	34 lb		

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System - P14100

## References

Ref No	Reference
1	None

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System - P14100

## ESSM - FR0015 RACK, DRACONE, 20'



20' Dracon Rack

The 20' Dracone Rack FR0015 is used to store (also ship) the 136K-Gal Oil Bladder (OB0800), Portable Blower (BL0403), Dracone Marker Buoy (BU0023), and the Bladder Repair Kit (OB0801). Its end frames can be folded into the floor of the rack.

### Specifications

Type	Description	Qty
Manufacturer	Sea Box	
Model	SB4752	

### Physical Characteristics

Type .....	Descriptions .....		
	Shipping		
Length	20 ft, 0 in		
Width	8 ft, 0 in		
Height	8 ft, 0 in		
Cube	1280 cu ft		
Footprint	160 sq ft		
Weight	21800 lbs		

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System - P14100

## References

Ref No	Reference
1	None