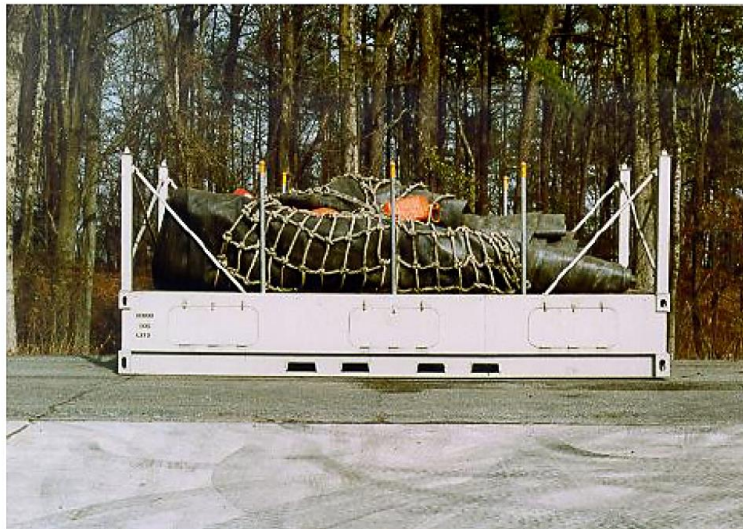
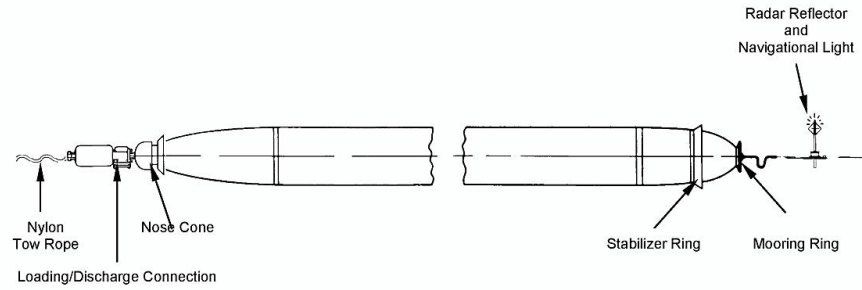


S0300-BV-CAT-020

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 |
|---------------|--|----------|-----|----|------|
| FR0010 | 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, RUBBER | Contents | 1 | | |
| OB0801 | REPAIR KIT, BLADDER | Contents | 1 | | |
| FR0015 | RACK, DRACONE, 20' | ALTN | | | |

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

S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

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 | | |
| | | | |

S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

System - P14100

References

| Ref No | Reference |
|--------|-----------|
| 1 | None |

S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

System - P14100

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 | |

S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

System - P14100

Physical Characteristics

| Type | Descriptions | | |
|------------|--------------------|---------|--|
| Footprint | 3 sq ft | 3 sq ft | |
| Weight | 66 lbs | 66 lbs | |

References

| Ref No | Reference |
|--------|-----------|
| 1 | None |

S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

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 | | |

S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

System - P14100

Physical Characteristics

| Type | Descriptions | | |
|-------------|--------------------|-----|--|
| Weight (lb) | 110 | 110 | |

References

| Ref No | Reference |
|--------|-----------|
| 1 | None |

S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

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) | |

S0300-BV-CAT-020

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 |

S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

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 | | |

S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

System - P14100

References

| Ref No | Reference |
|--------|-----------|
| 1 | None |

S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

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 | | |

S0300-BV-CAT-020

OIL STORAGE BLADDER, 136K-GALLON

System - P14100

References

| Ref No | Reference |
|--------|-----------|
| 1 | None |