

## Hig-Performance Containment & Cleanup Products



### Oil Containment Boom

- Self-Inflating NEO Boom
- Permanent Boom
- Conventional Boom
- Air-Inflated Boom
- Boom Accessories
- Boom Reels

### Oil Recovery Products

- Drum/Disc/Brush Skimmers
- Rope Mop Skimmers
- Weir Skimmers
- Pumps
- Vacuum Systems

### Support Equipment

- Temporary Storage Tanks
- Storage Boxes
- Sorbents
- Miracle Sorb®
- Spill Response Trailers
- Dispersant Spray Systems
- Towable Oil Bladders
- Spill Response Boats

### Turbidity Control Products

- Type 1 Turbidity Barrier
- Type 2 Turbidity Barrier
- Type 3 Turbidity Barrier



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- Self-Inflating NEO Boom
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- Air-Inflated Boom



### NEO® Self-Inflating Boom

- Rolls Up Flat
- Self-Inflates on Deployment
- 1/3 Storage Space of Conventional Boom
- Patented closed cell/open cell foam combination that is unsinkable
- No air compressors or blowers required
- Easily deflated for storage



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## Hig-Performance Containment & Cleanup Products

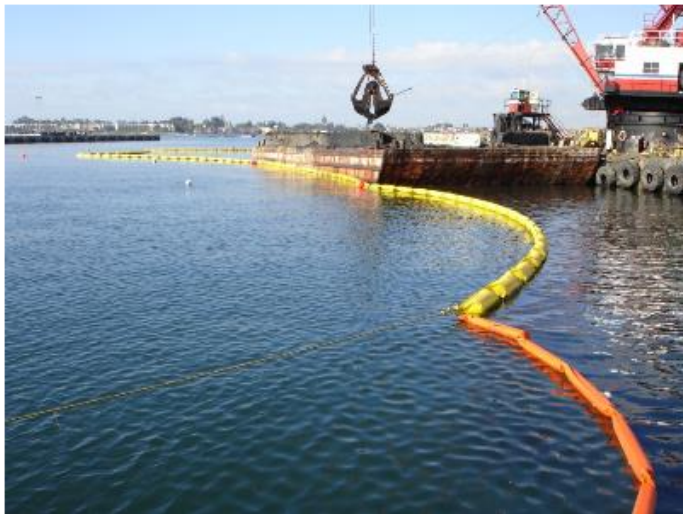
### Permanent Containment Boom

- High tensile strength
- High tear resistance
- Treated with UV and marine growth inhibitors
- Little or no maintenance



### Conventional Containment Boom

- 150-1300mm (6-50 in.) overall height
- Standard float sizes up to 350mm (14 in.)
- Unlimited special configurations
- PVC, Urethane & Elvaloy Fabrics



## Hig-Performance Containment & Cleanup Products

### Air-Inflated Boom

- Neoprene, Urethane & Heavy PVC Fabrics
- 460-2000mm (18-80 in.) Overall Height
- Unlimited special configurations



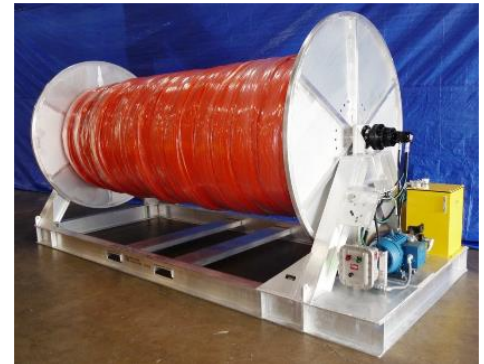
### Boom Accessories

- Storage Boxes
- Anchor Systems
- Repair Kits



### Boom Reels

- Rapid Deployment/Retrieval
- Bulk storage w/small footprint
- Diesel, electric, or manual reel operation
- Variety of sizes deigned for storage of conventional, air-inflated or NEO Boom



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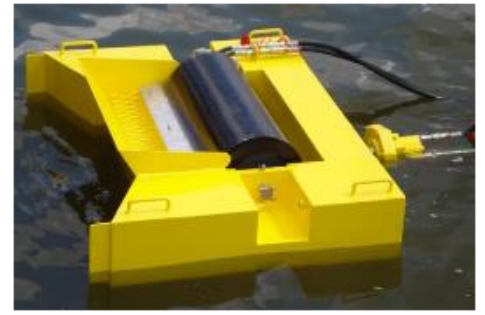
### Oil Recovery Products

- Drum/Disc/Brush Skimmers
- Rope Mop Skimmers
- Weir Skimmers
- Vacuum Systems



### Tri-Skimmer – Inland Waters

- Lightweight, robust aluminum construction
- Quick change brush, drum & disc recovery banks
- Large selection of transfer pumps
- Recovery of light, medium and heavy oils



## Hig-Performance Containment & Cleanup Products

### Tri-Skimmer – Open Water

- Robust aluminum construction
- Easy deployment
- Utilizes brush, drum and disc recovery banks
- Multi-purpose hydraulic power pack units
- Options include hose reels, dynamic positioning, trailers and crane



### Rope Mop Skimmer – Industrial

- Reclaims light to heavy oils
- Reclaims oil from flotsam, debris, and ice infested waters
- Low maintenance and low operating cost





## Hig-Performance Containment & Cleanup Products

### Rope Mop Skimmer – Oil Spill

- Reclaims light to heavy oils
- Small portable units to high capacity offshore units



### Weir Skimmers

- Several oil spill and industrial application weir skimmer packages available with a variety of recovery pumps
- Weir skimmers handle small to medium sized spills in light seas along with fixed applications
- Different recovery rates available for light to heavy oils depending upon the recovery pump



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## Hig-Performance Containment & Cleanup Products

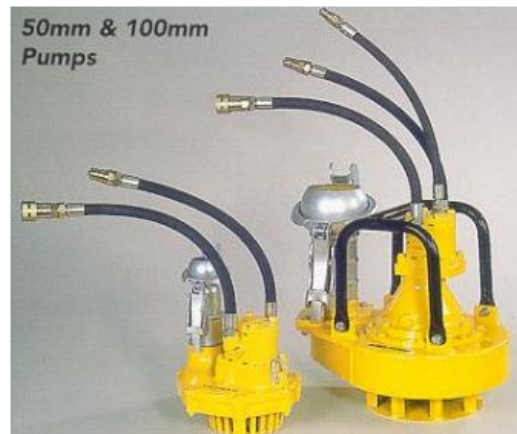
### Archimedes Screw Skimmers

- Three sizes available 37-170 m<sup>3</sup>/hr (165 to 740 gal/min) for harbor, coastal and offshore applications
- Combines high capacity with small pump dimensions
- Large debris tolerance
- Easily converted to high capacity transfer offloading pump
- Skimmer, pump hydraulic power pack and hose reel packages



### Recovery Pumps

- Positive displacement pumps are designed to handle light and heavy oils at a high non-turbulent flow rate
- Operate with a variety of skimmers, offer simple design and maintenance with diesel, electric and pneumatic power
- Submersible hydraulic pumps offer either high flow and low head or low flow and high head capabilities
- Submersible pumps comprise 50 mm to 300 mm models with electric start diesel engines and power packs





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### Transfer Pumps

- Archimedes screw offloading or transfer pumps are hydraulically powered and designed for pumping high viscous products or light fuel with debris capabilities
- Archimedes screw pumps offer high capacity recovery rates with strong cutting knives able to handle most debris commonly found in oil spills
- Automatic air pump priming pumps offer self-priming dry running and abrasive solids handling capabilities
- Multiple chassis, power and flow rates are available based upon applications



### Vacuum Systems

- High performance vacuum systems are designed for industrial strength applications as an alternative to vacuum truck services
- Offers a compact footprint, mobility and industrial strength with electric or diesel power units mounted on trailers or skid packages
- Small independent units that are light weight vacuum systems or product handling systems along with small beach cleaners units
- 150 to 2000 CFM vacuum pumps with a variety of tank sizes available



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## Hig-Performance Containment & Cleanup Products

### Support Equipment

- Temporary Storage Tanks
- Storage Boxes
- Sorbents
- Dispersant Spray Systems
- Spill Response Trailers
- Towable Oil Bladders



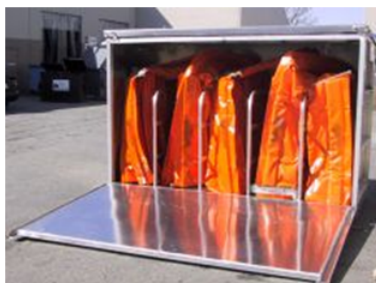
### Temporary Storage Tanks

- Field-erectable in minutes
- PVC, Elvaloy or urethane fabrics available depending upon liquid storage requirements
- 0.4 to 23 m3 (100-6000 gal) capacity
- Hose connections, storage bags, covers & ground tarps available



### Storage Containers and Dock Boxes

- Fiberglass spill kits and dock boxes
- Modified ISO steel containers in 6 to 40 ft. (1.8-12.2m) lengths
- Aluminum storage containers for docks, vessels and trailers available along with heli-transportable units
- Numerous sizes and options available





## Hig-Performance Containment & Cleanup Products

### Sorbents

- Polypropylene pads, rolls and boom are available
- Quick absorption of hydrocarbons with hydrophobic fibers that repel water and float
- Provided in bundles with high absorption weight per package
- Available in kits or bulk shipped by container load to numerous international locations



### Miracle Sorb®

#### Biodegradable Sorbent

- 100% biodegradable, all natural plant fiber that is highly absorbent
- Powerful wicking action absorbs all oil and leaves no sheen
- More economical and cost effective than competing sorbent products
- Excellent for hydrocarbon remediation in soil, swamps, marshes and wetlands
- 98% hydrocarbon remediation within 90 days with Miracle Sorb NE



Miracle Sorb® is a registered trademark of Organic Processors LLC



Contact: +966138383018 [info@fstarabia.com](mailto:info@fstarabia.com) Visit our website: [www.fstarabia.com](http://www.fstarabia.com)

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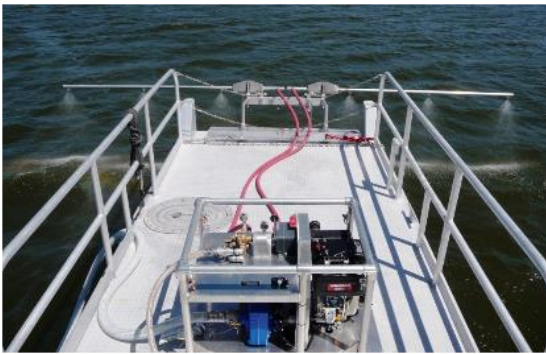
### Spill Response Trailers

- Open or closed units available in a variety of sizes and configurations
- Command stations and personnel support trailers can be provided with spill equipment
- Each trailer can be customized and meets local MOT transport regulations



### Dispersant Spray Systems

- Spray systems are available from backpacks to offshore vessels
- Typical design are for docks, fire pumps, small vessels, seagoing vessels and aircraft
- Both neat and blended systems with variable concentrate control
- Diesel and electric power packs utilized with water pumps and spray arms designed to meet customer application



### Towable Oil Bladders

- Heavy duty PVC, Urethane & Elvaloy coated fabrics for routine oil spill recovery and temporary storage operations
- Sizes range from 5 to 8 m3 (526 to 2105 gallons) capacity
- Larger sizes available upon request along with pillow tanks and other storage devices.





## Hig-Performance Containment & Cleanup Products

### Type 1 Turbidity Barrier

- 18-22 oz/yd<sup>2</sup> PVC Coated Fabric
- 6" EPS Floats in Sealed Pockets
- Grommet End Connectors



### Type 2 Turbidity Barrier

- 22 oz/yd<sup>2</sup> PVC Coated Fabric
- Optional Filter Fabric Skirt
- 6"-12" EPS Floats in Sealed Pockets
- 5/16" Top Tension Cable
- 5/16" Ballast Chain
- Universal or ASTM Connectors



### Type 3 Turbidity Barrier

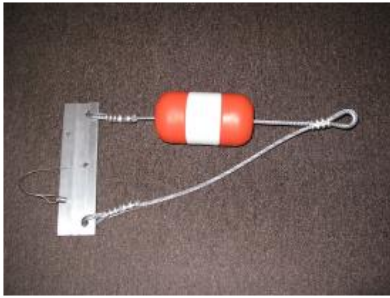
- 22 oz/yd<sup>2</sup> PVC Coated Fabric
- Optional Filter Fabric in Skirt
- 8" - 24" EPS Floats in Sealed Pockets
- Dual 5/16" Top Tension Cables
- 3/8" Ballast Chain
- Depths to 130+ feet



## Hig-Performance Containment & Cleanup Products

### Ancillary Products

- Furling Lines for Skirt Depth Adjustment
- Anchor Systems
- Ropes and Stakes
- Tow Bridles
- Lighted Buoys
- Fabric Repair Kits



High-Performance Containment and Cleanup Products



Our principal ABASCO Huston Tx

### Offers

#### Engineering and Services

- Customized products and design capabilities are available through ABASCO staff and subcontractors
- ABASCO can coordinate with third party engineering firms to combine spill equipment with a customer's comprehensive equipment packages
- ABASCO can provide emergency logistical support with excellent resources available in Houston
- ABASCO can provide specialized equipment maintenance services for our spill response packages

#### Training and Consulting

- Emergency spill training exercise support available through ABASCO's logistical team
- Product commissioning exercises available at ABASCO's Houston facility and or customer locations
- Certified training program coordinated through TEEX
- Customer site reviews and product recommendations coordinated through ABASCO personnel and or third party consultants depending upon customer requirements
- Spill response training programs available at customer locations



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