

# Monitoring Well Skimmer

## Technical Specifications

### Product Description

AbTech's Monitoring Well Skimmer (MWS) is designed to absorb and encapsulate hydrocarbons by floating directly on the surface of the water in monitoring wells. The MWS utilizes a Smart Sponge<sup>®</sup> propellet encased in flexible mesh designed to maintain structural integrity of the product as well as to allow maximum surface contact with the contaminant.

### Key Benefits

The Monitoring Well Skimmer (MWS):

- Is chemically selective to hydrocarbons
- Is capable of removing up to 3 times its own weight in hydrocarbons
- Removes or reduces sheen
- Transforms pollutants into stable solid
- Capable of remaining completely buoyant even after being saturated with hydrocarbons
- Provides potential for long-standing remediation
- Does not require modification of existing structure
- Effective in fresh or salt water temperatures ranging from 32°F to 130°F



### Product Specifications

The Monitoring Well Skimmer (MWS) is suspended from a reusable ¼ inch nylon rod system with a three pound, 3.5" Ø x 3.5" aluminium cylinder at the bottom and an eyelet that serves to hook the MWS out of the well on the upper extremity. The propellet slides over a reusable rod kit with a weight on one end and an attachment point for securing the deployment rope on the other. Propellet sleeves are available in a variety of sizes.

Product	Dimensions	Unit Dry Weight	Packaging
MWS-102	1.75±.25" Ø x 24"L	0.80±.04 lbs (.362 kg)	20/carton
MWS-105	1.75±.25" Ø x 60"L	2.00±.10 lbs (.907 kg)	10/carton

Custom dimensions may be available upon request.



## Installation and Maintenance

Installation of the Monitoring Well Skimmer (MWS) is a simple process requiring no modifications to existing monitoring well structures. Merge the MWS and tie the nylon rod through the grommets or through the center handle. Changeout of the sleeve on the MWS is also quickly and easily accomplished by simply sliding the skimmer out of the rod kit and replacing it.

- High absorption capabilities result in reduced onsite maintenance visits.
- Due to the non-leaching, non-leaking ability of the media, field technicians experience ease of handling.

## Disposal Options

As local conditions, product use, and exposure can vary widely, the end user must determine the most appropriate disposal method for a spent Smart Sponge<sup>®</sup> or Smart Sponge Plus<sup>®</sup> product. However Smart Sponge<sup>®</sup> samples saturated with hydrocarbons both in the lab and in the field have been tested according to the EPA's Toxicity Characteristic Leaching Procedure ("TCLP"). These tests show that Smart Sponge<sup>®</sup> is a "non-leaching" (i.e., non-detect or "N.D.") product. As a result, Smart Sponge<sup>®</sup> technology can afford many cost effective and environmentally friendly disposal options. The following waste disposal and resource recovery industries have accepted spent Smart Sponge<sup>®</sup> products for disposal and/or recycling:

**Waste-to-Energy Facilities** - A specialized segment of the solid waste industry has used spent Smart Sponge<sup>®</sup> as an alternative fuel in the production of electricity. WTE is acknowledged at the federal level as a renewable energy source under the Federal Power Act, Title IV of the Clean Air Act and is a participant in the Department of Energy's National Renewable Energy Program.

**Cement Kilns** - This industry has used the spent Smart Sponge<sup>®</sup> as an alternative fuel in the production process of Portland Cement. This process is considered a beneficial reuse of waste products. The BTU value of spent Smart Sponge<sup>®</sup> is consistently above the average acceptable levels set for this high temperature.

**Landfills** - As discussed above, spent Smart Sponge<sup>®</sup> products have been classified as a solid waste and have been accepted at Subtitle D Landfills.

For more information about the Smart Sponge<sup>®</sup> technology,  
visit [www.abtechindustries.com](http://www.abtechindustries.com) or call 1-800-545-8999

Please keep in mind that, depending upon local conditions, product use, and exposure, a spent Smart Sponge<sup>®</sup> product could contain one or more of a wide range of contaminants that may impact available disposal options. As a result, generators of spent Smart Sponge<sup>®</sup> products must have their waste analyzed, tested, and classified to determine the appropriate disposal method.

AbTech Industries does not take any responsibility for handling, transport, disposal, or recycling of spent Smart Sponge<sup>®</sup> products. For a more detailed disposal/recycle overview, please see the "Smart Sponge<sup>®</sup> Products Disposal Option" documents available upon request from AbTech Industries.

AbTech Smart Sponge<sup>®</sup> products have been extensively tested both in the laboratory and in the field - with additional testing on-going all the time. Nevertheless, because local conditions, product use, and exposure can vary widely, individual results may differ.

AbTech Smart Sponge<sup>®</sup> products must be used properly and in accordance with all manufacturer instructions. AbTech Industries does not take responsibility for any product misuse.

