Manufactured by:

DGSI
DURHAM GEO SLOPE INDICATOR

Developed by:

ADVENTUS
Proven Soil, Sediment, and Groundwater Remediation Technologies
www.AdventusGroup.com

Distributed by:

FIELD ENVIRONMENTAL INSTRUMENTS, INC.
www.fieldenvironmental.com
Tel: 1-800-393-4009

A-SOX™ The Easiest Deep Plume and Routine Deployment of Integrated Carbon, ZVI and Nutrients

Affordable and effective socks for stimulating anaerobic bio-degradation in ground water wells.

Applications:

Stimulation of anaerobic biodegradation of groundwater contaminants using EHC®. EHC is deployed in ground water wells with the A-SOX™ delivery system. EHC is a proprietary field-proven compound that contains a long-term source of controlled-release carbon, ZVI and nutrients. Exhausted socks are easily replaced with new ones to continue treatment. Organic constituents amendable to anaerobic biodegradation processes include:

- Chlorinated Solvents
- Energetics
- Pesticides / Herbicides

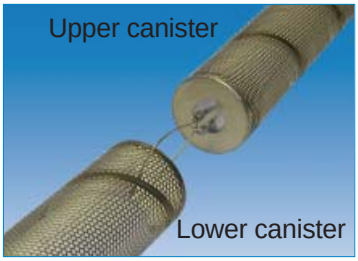
Benefits of EHC®-A

- **Significant cost savings due to ISCR approaches that promote biotic, abiotic, thermodynamic and chemical degradation mechanisms.**
- **Readily biodegradable H donor.**
- **Estimated longevity of 3 to 6 months.**
- **Unique mode of action does not require use of specialty microorganisms.**

Benefits of A-SOX™ Delivery System

- **All the field proven benefits of EHC.**
- **Substantial time savings in the field.**
- **Reusable stainless steel canisters are easy to insert and retrieve from the well. Recover the canister cost in your first installation!**
- **Ease of determining the exact depth at which the product is deployed.**

- **Socks and canisters available for 2” and 4” wells.**
- **Up to three canisters may be suspended in-line to lengthen the active zone.**
- **Even distribution of the active material over the length of the canister(s) because the socks do not collapse or bunch up.**

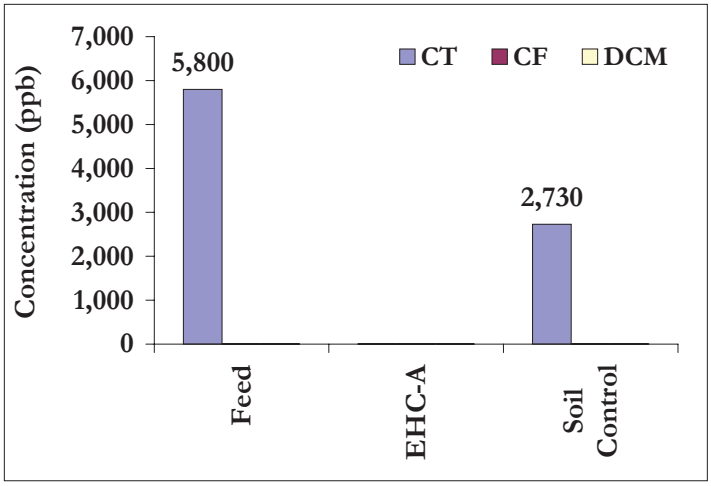


Detail showing how two canisters are linked. Up to three canisters may be suspended in line to lengthen the active zone.

Detail showing the 4-in sock protruding slightly from the top of the canister.

HYDROGEN-RELEASING SOCKS

EHC-A Treatment of Carbon Tetrachloride



ORDERING INFORMATION

TR-419	2-in x 3-ft A-SOX (pail with 5 socks*)	13 lb
TR-411	2-in Canister (stainless steel, reusable)	1.5 lb
TR-418	4-in x 3-ft A-SOX (pail with 3 socks*)	28 lb
TR-413	4-in Canister (stainless steel, reusable)	3 lb
Accessories:		
TR-416	Nylon-covered stainless-steel suspension cable with swaged cable loop at one end (sold per ft)	
TR-414	2-in Well Cap with Cable Restraint	0.6 lb
TR-415	4-in Well Cap with Cable Restraint	1.2 lb
602528	Pail Opener	0.5 lb

(*) Only sold in pail quantities.

Notes:

- *A-SOX is non-returnable and non-refundable.*

EHC® A-SOX™ FAQs

1. **What are the main application scenarios for A-SOX?** The A-SOX systems are most conducive to physically challenging situations where a readily biodegradable carbon source and reduced iron are needed to induce in-situ chemical reductions (ISCR) of targeted compounds. For example, A-SOX can be used in deep well settings, PRBs that require routine amendment, and strategic placement into "problem" well locations.
2. **What contaminants are amenable to A-SOX treatment?** Chlorinated solvents, chlorinated pesticides, and energetics are the primary targets.
3. **How much do they cost?** 2-inch A-SOX cost $120 and 4-inch A-SOX cost $160. Volume discounts may apply.
4. **Why should I use the A-SOX technology?** It's a better product and the superior design and ease of application will immediately translate into greatly reduced field time and frustration = reduced project cost.
5. **Is it easy to switch over to the A-SOX technology?** Yes. EHC-A has been accepted by numerous state regulatory authorities, and has been employed throughout the USA and Europe.
6. **How long do they last?** A-SOX generally have longevity of approximately 250 days, but replacement on a longer or shorter schedule can be optimized based on monitoring results. Various site-specific factors will influence the effective lifetime of the A-SOX cartridge; mainly i) constituent type and concentration, and ii) hydrogeological features (groundwater flow rate, Eh, pH, temperature).
7. **Do I need to install new wells?** No. The A-SOX technology is designed to fit into standard 2-inch and 4-inch diameter groundwater monitoring wells. The canisters have a nominal outside diameter of 1.75 inches for the 2-inch size and 3.5-inches for the 4-inch size.
8. **Where are they primarily used?** The EHC A-SOX can be used in existing or newly-installed wells, either in natural or forced gradient flow systems. For example, existing hotspot wells can be treated, or deep, dilute, or fractured system plumes can be treated by A-SOX placed within the capture zone of a groundwater recirculation well or other forced gradient system.

SPECIFICATIONS

Material:

Active compound	**EHC-A** Contains organic carbon and soluble FE + ZVI.
Sock	non-woven polyethylene fabric, needle punched.
Canister	Stainless steel, type 304, perforated.

Dimensions, Weight and Volume

Size for A-SOX sock (dry) and canister

	Sock	Canister
2 in	1.5 in x 36 in approx.	1.75 in x 36 in approx.
4 in	3.0 in x 36 in approx.	3.5 in x 36 in approx.
Canister length*	2 in: 3 ft 4 in	4 in: 3 ft 6 in

*with suspension loop and link extended

Total Ship. Volume

Pail	2 ft^3 Note: pail only is 12-in dia. x 16-in H
2-in canister	0.34 ft^3 (4 x 4 x 37 in)
4-in canister	0.77 ft^3 (6 x 6 x 37 in)

Weights

Nominal weight per dry sock:

	EHC-A content only	Full sock
2-in sock	1.75 lb	1.95 lb
4-in sock	7.25 lb	8.05 lb

Total Ship. Wt (dry)

Pail w/ five 2-in socks	13 lb
Pail w/ three 4-in socks	28 lb
2-in canister (empty)	1.5 lb
4-in canister (empty)	3 lb

Manufactured by Durham Geo Slope Indicator
2175 West Park Court, Stone Mountain, GA 30087, USA
Tel: 800.837.0864 or 770.465.7557 **www.DGSI.info**

ISO 9001:2000 QMS

Printed in USA. (Ref: A-SOX rev1 Feb 08)