### Introducing The World's First

### HIGH EFFICIENCY OIL/WATER SEPARATOR SERIES



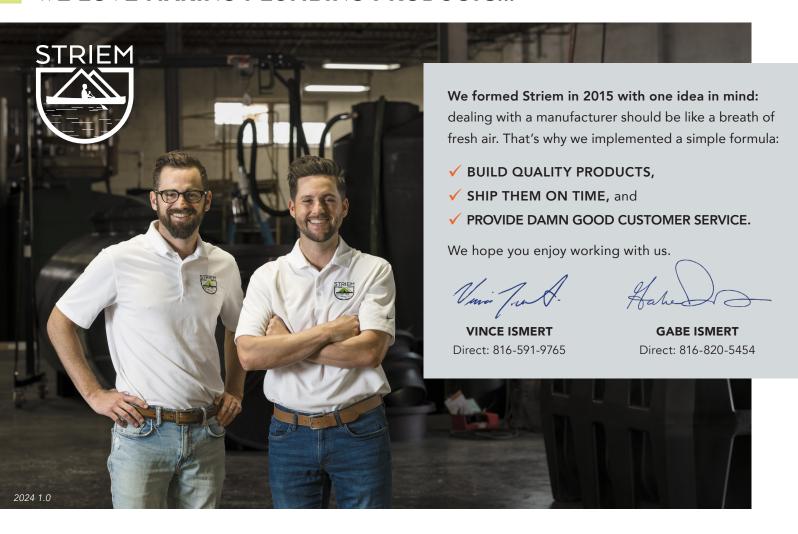
### PRODUCT CATALOG | NO.8

- ✓ OIL SEPARATORS
- ✓ SOLIDS INTERCEPTORS
- ✓ CHEMICAL WASTE TANKS

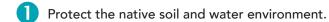


**ABOUT THE COVER** 

### WE LOVE MAKING PLUMBING PRODUCTS...

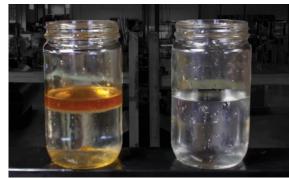


### **OUR OIL SEPARATORS SERVE TWO PURPOSES:**





Striem's new lineup of high efficiency oil/water separators are the first to achieve both goals. Their seamless, rotationally molded construction prevents oils from leaching into the native environment. And, they are now third-party certified to a minimum 96% efficiency. This is a guarantee that the oil separator will stop nearly all oils from entering the public sewer system.



Oily water before and after flowing through a Striem oil separator.

### ABOUT THE COVER

In addition to creating top-notch products, we're passionate about keeping petroleum oils out of sewers, streams, and soils. Drawing from the company's roots nestled along the confluence of the Kansas and Missouri Rivers, with its vibrant wildlife, Caitlin Knoll, Creative Director at Striem, illustrated this catalog cover featuring the canoer in our logo enjoying a moment of repose.

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**CUSTOMER SERVICE HOURS: 8 AM - 5 PM CST** 

## ABOUT IAPMO IGC 325: HIGH EFFICIENCY OIL/WATER SEPARATORS



In 2022, IAPMO published a new industry standard titled *High Efficiency Oil/Water Separators*. The publication introduced a performance-based standard to the oil separator market and created a new term for the industry: **High Efficiency Oil/Water Separator**.

### High Efficiency Oil/ ater Separator

A device installed in a drainage system that collects hydrocarbons from wastewater with a minimum 90% capture rate.

### What is the full name of the new standard?

IAPMO IGC 325 High Efficiency Oil/Water Separators (referred to herein as 'IGC 325').

### Why is this new standard important?

Prior to the publication of IGC 325, **there was no standard** to determine whether or not an oil separator met minimum effluent quality guidelines. Now, manufacturers can subject their oil separators to a rigorous test to determine the efficiency of their product. If the product passes, it may receive a third-party listing and UPC certification from IAPMO.

### Do other performance standards exist for oil separators?

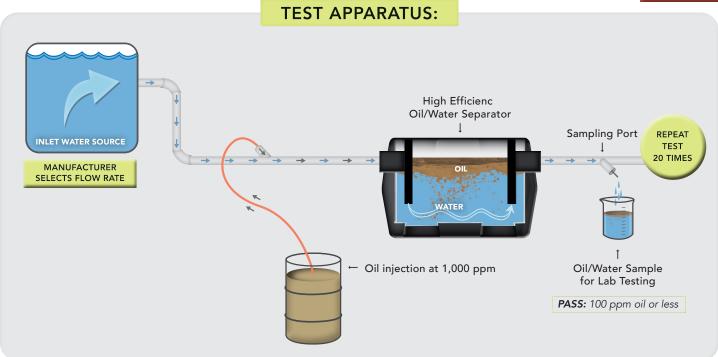
**No.** IGC 325 is the first and only performance standard for oil separators that tests effluent quality. It provides the industry a long-awaited measuring stick to determine how well an oil separator operates.

### Does IGC 325 include health and safety design standards?

Yes. In order for a product to pass IGC 325, it must meet material and structural requirements.

### What is IGC 325's performance requirement?

The tested oil separator shall separate oil from water at a **minimum of 90% efficiency** at the manufacturer's selected influent flow rate. The influent oil concentration shall be 1,000 mg/L (ppm).



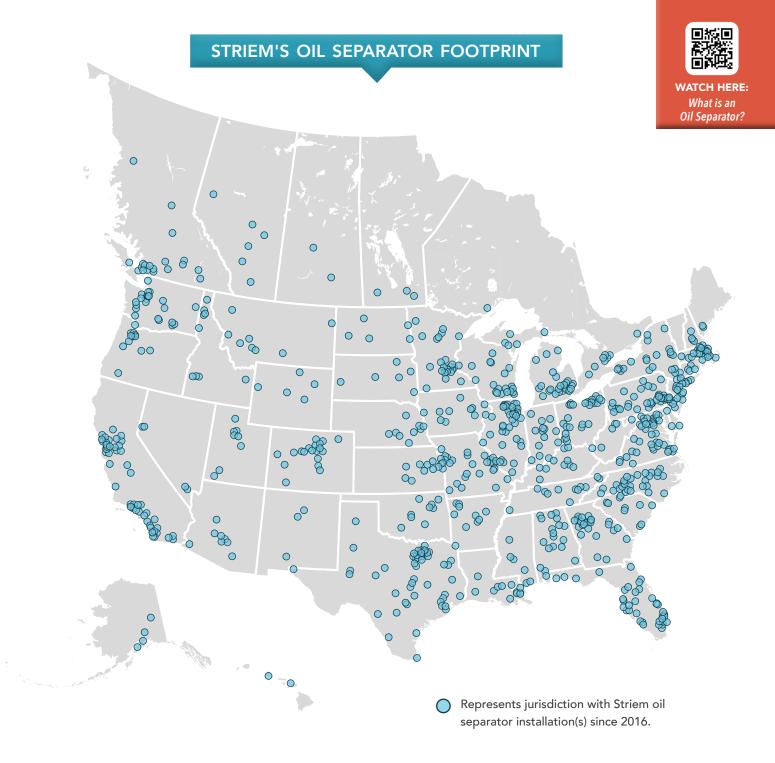
### **HOW TESTING WORKS:**

- Manufacturer selects flow rate and max oil holding capacity for the tested oil separator. The minimum oil holding capacity shall be 25% of the oil separator's total liquid volume.
- Begin the 20-batch test process. Each batch has a duration of 5 minutes. Samples are taken during the final minute of each test batch.
- Oil/water effluent samples are analyzed to EPA Method 1664a by an approved laboratory to determine if the samples pass or fail the efficiency criteria.

Visit pages 7-8 for Striem's full lineup of High Efficiency Oil/Water Separators.







### **APPLICATIONS**

Online Sizing Tools available!



AUTO SERVICE/ **REPAIR STATIONS** 



PARKING GARAGES



FIRE HOUSE/ POLICE STATIONS



HYDRAULIC **ELEVATOR PITS** 



**CAR WASHES** 



LOADING DOCKS



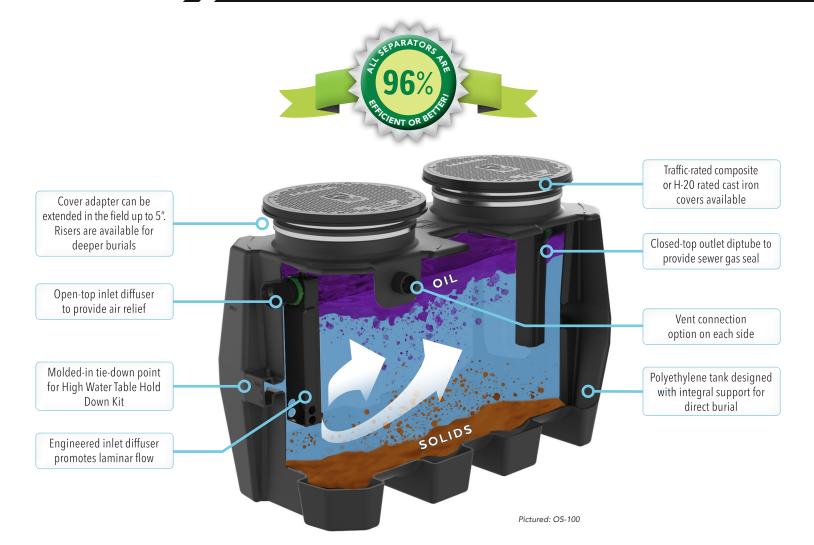
AIRPORTS / **HANGARS** 

### **HIGH EFFICIENCY** OIL/WATER SEPARATORS











- ✓ Certified to IAPMO IGC 325, the industry's first oil separator *performance* standard.
- ✓ Meets EPA hydrocarbon discharge guidance of 100 ppm or less.¹











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Test report and lab sample reports are available on the product webpage or by emailing help@striemco.com.

<sup>1</sup>EPA 833-R-04-002A, July 2004

The pretreatment regulations 40 CFR 403.5(b)(6) prohibit the discharge of "petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through."

Most POTWs have adopted 100 mg/L as their local limit for petroleum-based oil and grease because of its history of being protective of the treatment plant and receiving stream.

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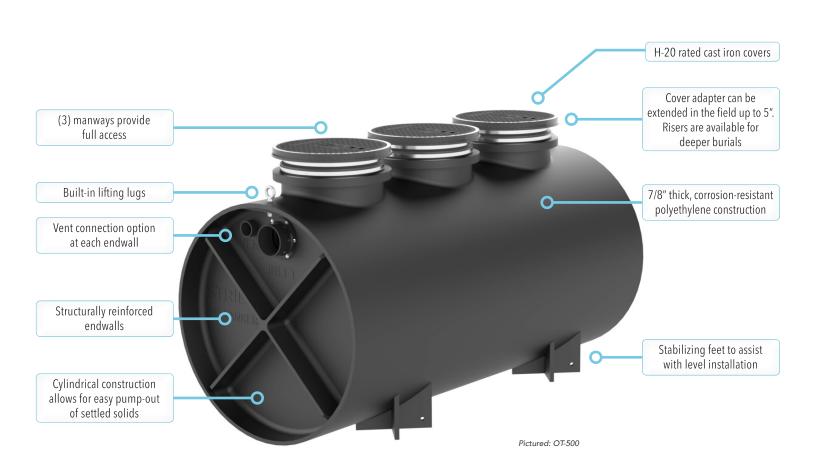
### **OIL TANKER™ SERIES**

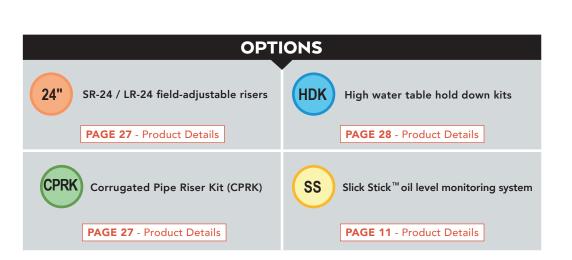














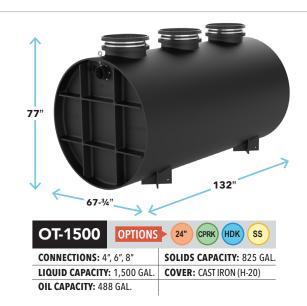


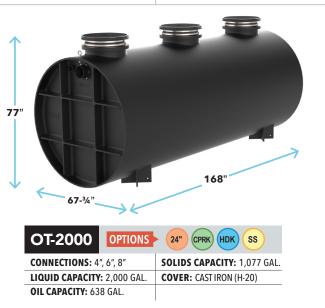








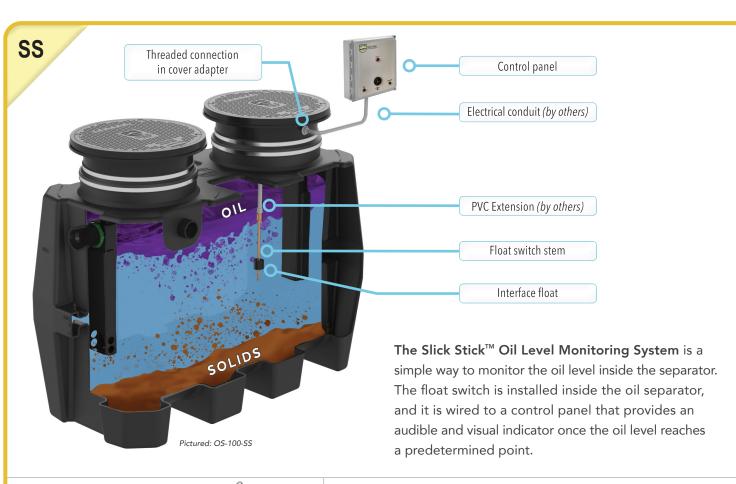




### **SLICK STICK**™













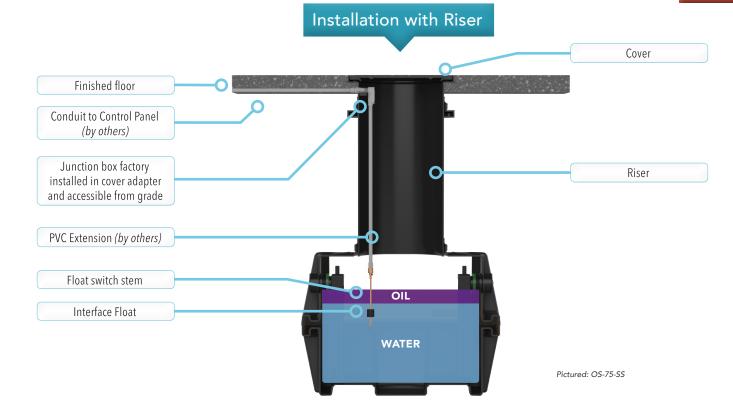
Control panel & float switch (50' cable included)

MODELS	
OS-50-SS	OT-750-SS
OS-75-SS	OT-1000-SS

OS-100-SS OT-1500-SS OT-500-SS

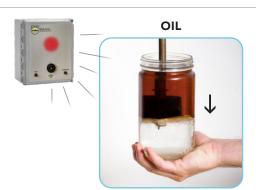
FEATURES
UL listed
Intrinsically safe
Field-extendable interface float
Ability to easily install with risers
Audible and visual alarm
Additional contact for BMS hookup

Cover adapter with conduit connection & junction box





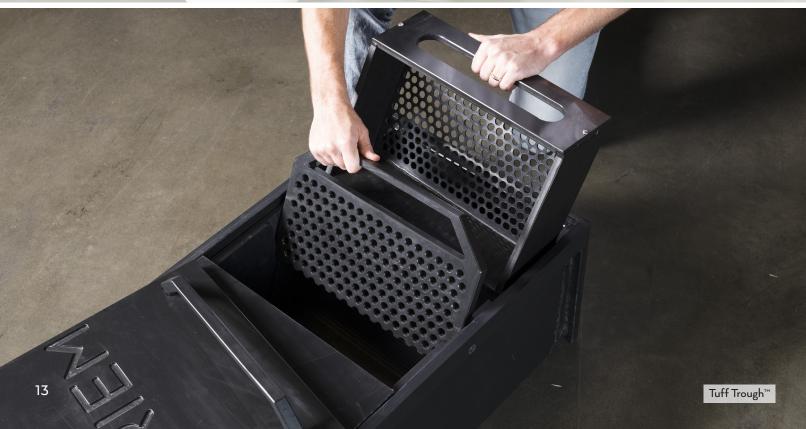




Float is in "DOWN/CLOSED" position in oil, sounding an alarm

SPECIFICATIONS	
Provides audio/visual alarm under high oil level condition	"TEST" button tests system electronics
Single phase, 120 VAC, 60 hertz input power required	Locking clasp on door
NEMA 4X enclosure	Intrinsically safe sensor inputs
"HORN OFF" button silences audible alarm	Interface float is buoyant in water, but sinks in the presence of hydrocarbons

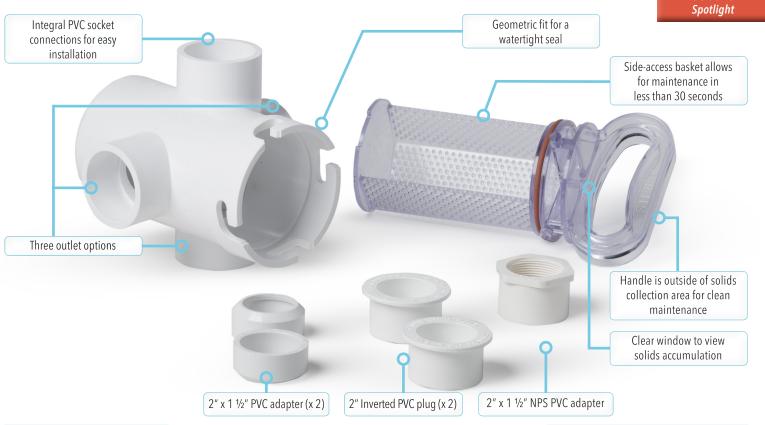




### POINT-OF-USE SIDE-ACCESS SOLIDS INTERCEPTOR **SIDEKICK**

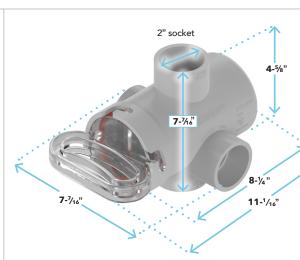






### Tamper-proof version





### Proprietary "No-Sump plug"



Removes standing water from unused outlets.

### **APPLICATIONS**



**ART ROOM** SINKS



DOG WASH & PET KENNELS



**BARBER SHOPS &** HAIR SALONS



**LAUNDRY FACILITIES** 



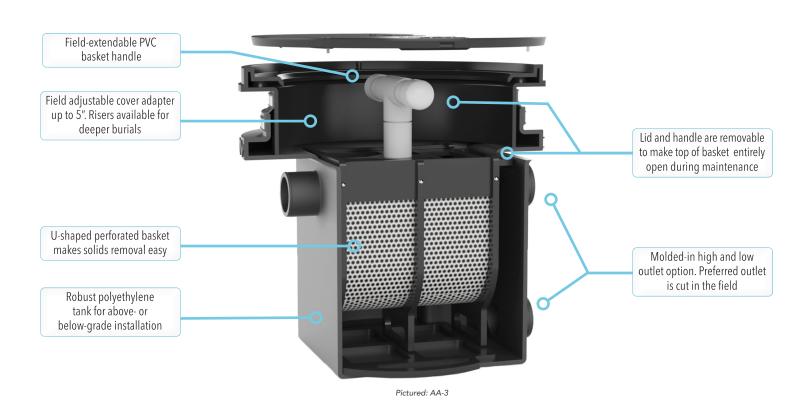
UTILITY SINKS

### THE AARDVARK™











### Same tank & basket with four connection size options:









### **OPTIONS** SR/LR field-adjustable risers **Anchor Flange** Covers C24-H Traffic-rated bolted composite Integral welded anchor flange at SR-24 / LR-24 base of tank to provide anti-buoyancy in high water table installation. C24-HP H-20 rated pickable cast iron PAGE 29 - Product Details PAGE 27 - Product Details

### **APPLICATIONS**







**DOG WASH &** PET KENNELS



**BARBER SHOPS &** HAIR SALONS



LAUNDRY **FACILITIES** 



UTILITY SINKS

Recommended for DIY maintenance.

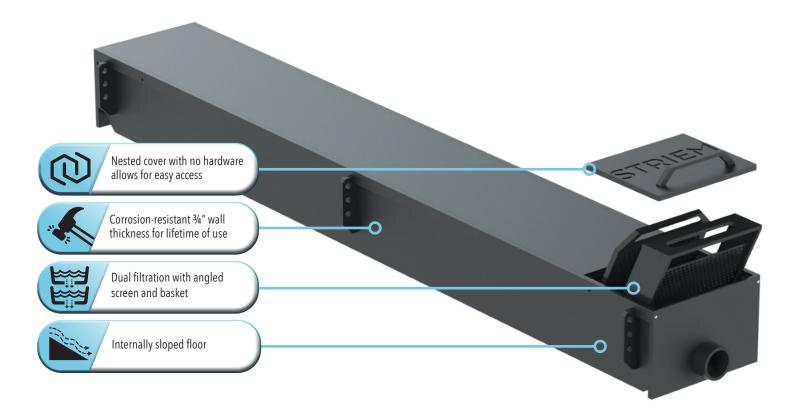
View screen-style interceptors at striemco.com.

### **TUFF TROUGH™**













### **ON-PREMISE LAUNDRY**



HOTELS



**DORMS** 







### **VENDED LAUNDRY**



### A drain trough solves two issues for commercial laundries:

### FIRST ISSUE: High Discharge Flow Rate from Washer

The trough acts as a water and suds reservoir. Washer drainage flow rates re high, and can potentially overwhelm a drainage system. A trough provides more open volume to allow water to drain at its natural pace. It also provides air volume for suds to dissipate.

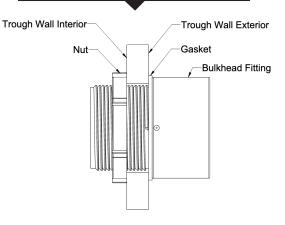
### **SECOND ISSUE:** Drainage System Blockage

The trough has a solids filter near the outlet to block lint, buttons, hair, and coins (among other items) from entering the drainage system and causing a blockage.

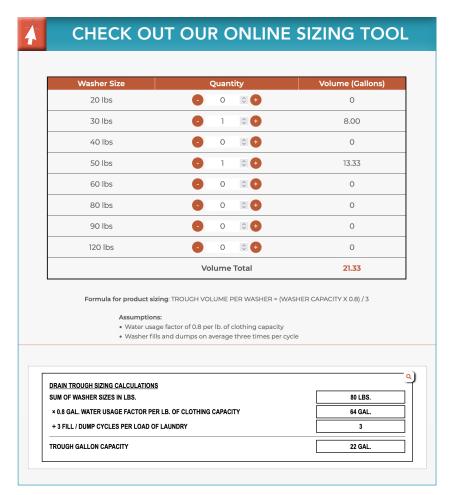
### **PRODUCT LINEUP**

Model	Dimensions $(L \times W \times H)$	Liquid Capacity
TT-3	3' x 18" x 12"	21 gal.
TT-4	4' x 18" x 12"	28 gal.
TT-5	5' x 18" x 12"	34 gal.
TT-6	6' x 18" x 12"	41 gal.
TT-8	8' x 18" x 12"	55 gal.
TT-10	10' x 18" x 12"	68 gal.

### **INLET BULKHEAD KIT**



Inlet connections from each washer can be installed in the side or top of the drain trough by the installing contractor. For side connection(s), use Striem's IBK-3 bulkhead fitting kit. This 3" Plain End Inlet Bulkhead Kit (IBK) offers easy, watertight inlet installation.





### **SAND INTERCEPTORS**



### **Grated Covers**



CB-50-G

**LIQUID CAPACITY: 57 GAL.** COVER: CAST IRON GRATE (H-20) **SOLIDS CAPACITY:** 25 GAL.



CB-125-G OPTIONS 24" HDK





**LIQUID CAPACITY: 110 GAL.** COVER: CAST IRON GRATE (H-20) SOLIDS CAPACITY: 70 GAL.

### **BCB-7** Sediment Basket





### Solid Covers



CB-50-S

OPTIONS H-20 24" HDK

**LIQUID CAPACITY: 57 GAL.** COVER: TRAFFIC-RATED SOLIDS CAPACITY: 25 GAL.

CB-125-S OPTIONS H-20 (24") CPRK) HDK

**LIQUID CAPACITY: 110 GAL.** COVER: TRAFFIC-RATED SOLIDS CAPACITY: 70 GAL.



CB-275-S



LIQUID CAPACITY: 250 GAL. COVER: TRAFFIC-RATED SOLIDS CAPACITY: 200 GAL.



CB-500-S

OPTIONS - H-20 24" CPRK HDK

LIQUID CAPACITY: 500 GAL. COVER: TRAFFIC-RATED SOLIDS CAPACITY: 400 GAL.

Visit **striemco.com** for larger tank options.

### **OPTIONS**

H-20 rated pickable cast iron cover

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Corrugated Pipe Riser Kit (CPRK)

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SR-24 / LR-24 field-adjustable risers

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High water table hold down kits

PAGE 28 - Product Details

### **APPLICATIONS**



PARKING GARAGES

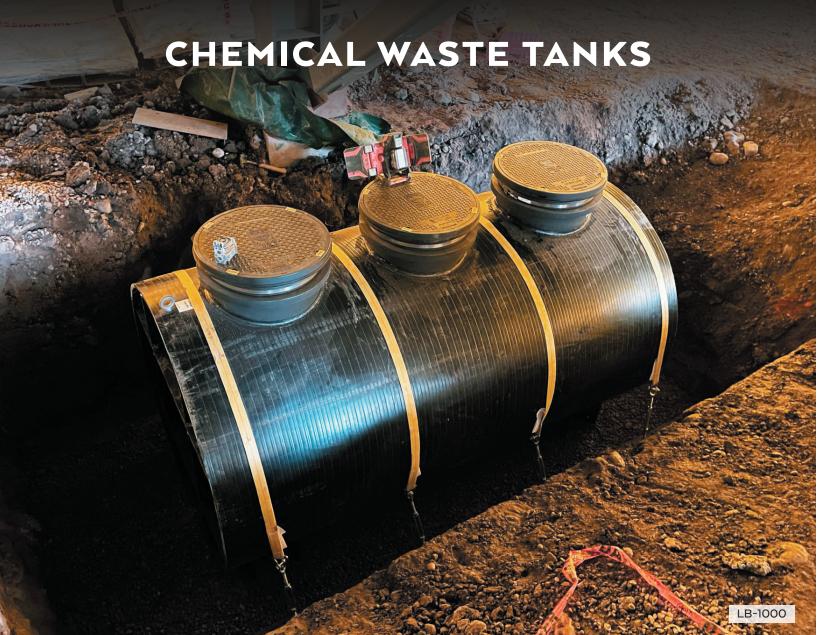










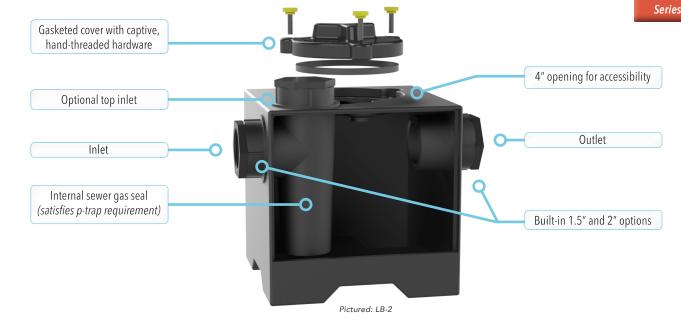




# POINT-OF-USE NEUTRALIZATION TANKS LAB RAT™ SERIES









# OF LAB SINKS: 1 LIMESTONE LOAD: 25 LBS. LIQUID CAPACITY: 2 GAL.

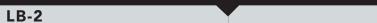


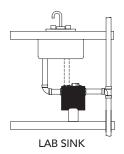
# OF LAB SINKS: 1 LIMESTONE LOAD: 25 LBS. LIQUID CAPACITY: 2 GAL.



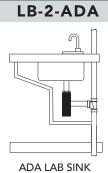
# OF LAB SINKS: 2 LIMESTONE LOAD: 50 LBS. LIQUID CAPACITY: 5 GAL.

### **APPLICATION LAYOUTS**

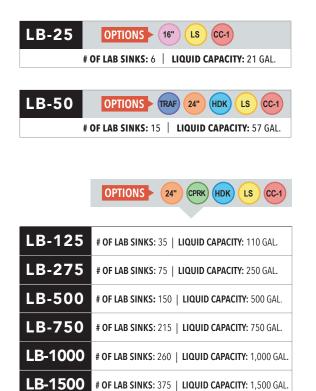




4" PVC pipe for support cut to size (by others)

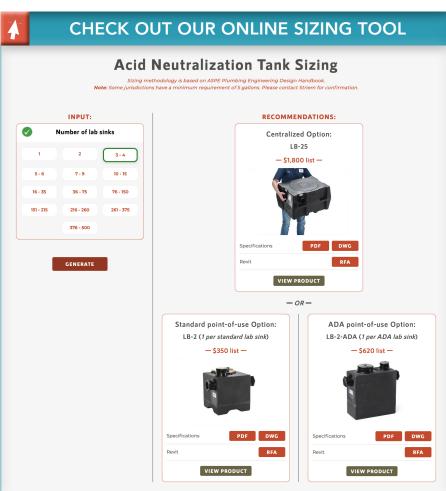


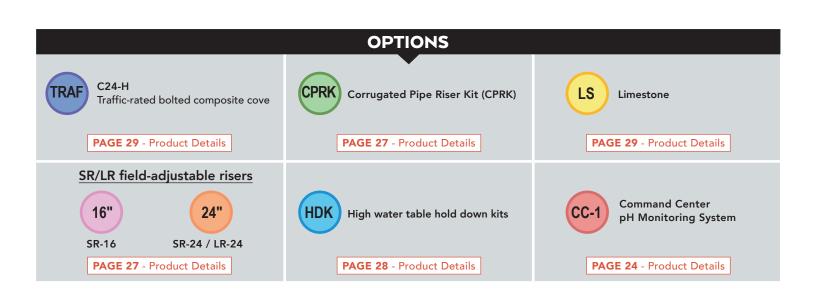


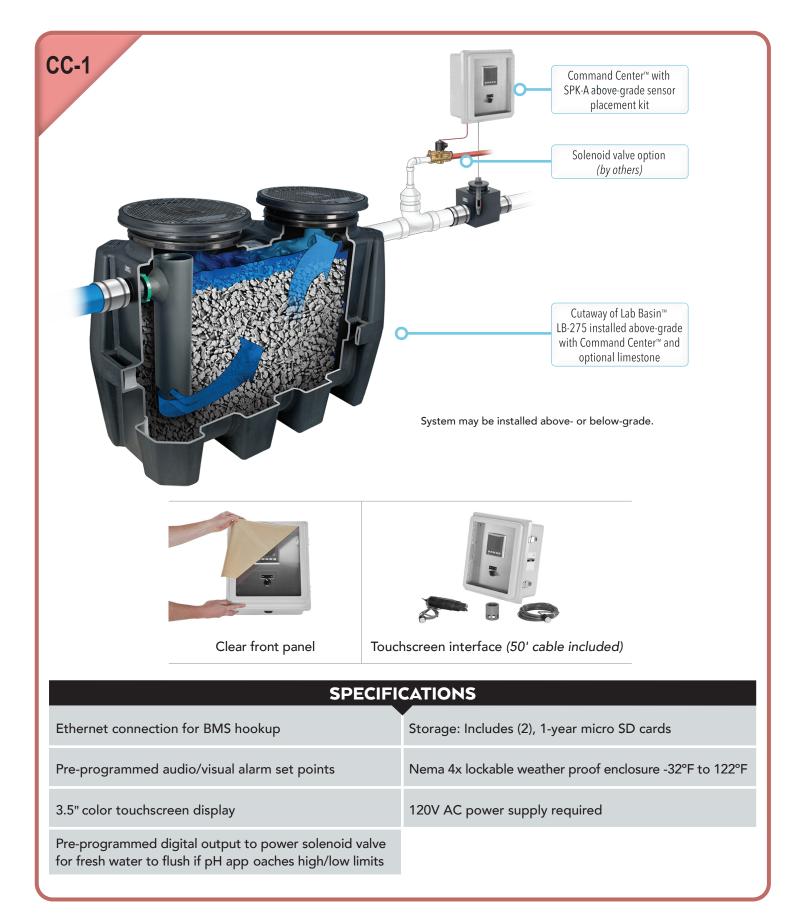


# OF LAB SINKS: 500 | LIQUID CAPACITY: 2,000 GAL.

LB-2000







### BIO BASIN™ SERIES









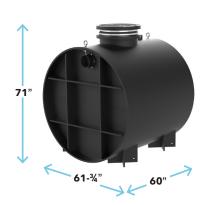


BB-275





CONNECTIONS: 2", 3", 4", 6" LIQUID CAPACITY: 250 GAL. COVER: TRAFFIC-RATED



BB-500

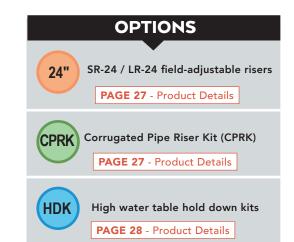
TIONS 24" CPRK HDK

CONNECTIONS: 3", 4", 6"
LIQUID CAPACITY: 500 GAL.
COVER: TRAFFIC-RATED

Visit **striemco.com** for larger tank options.

### MONITORING PACKAGES:





# Striem recommends these steps for sizing a decontamination tank: | Number of Fixtures (showers or eyewash stations) | X | Supply Line Flow Rate of Each Fixture | X | Rinse Time (15-20 minutes typical) | SIZE OF TANK IN GALLONS

### Sizing Sample:

- 1. A hospital with two emergency showers, each with a ¾" supply line carrying a flow rate of 9.96 GPM. 2 fixtures x 9.96 GPM = 19.92 GPM
- **2**. 19.92 GPM x 15 minutes = 298.8 gallons
- **3.** Select Bio Basin™ model BB-500 (500 liquid holding gallons)

# INSPECTOR-6 4" connections 6" connections 15" 28"





SPECIFICATIONS		
Unit supplied with built-in adapter for up to 5" adjustability	Lightweight and easy to install	
Additional riser(s) available for deeper burial depth	Maximum operating temperature 140° F	
Polyethylene construction	Highway rated (16,000 lb. load) bolted, gas/water tight composite cover. (H-20 cast iron available)	

### FIELD-ADJUSTABLE RISERS

### ACCESSORIES

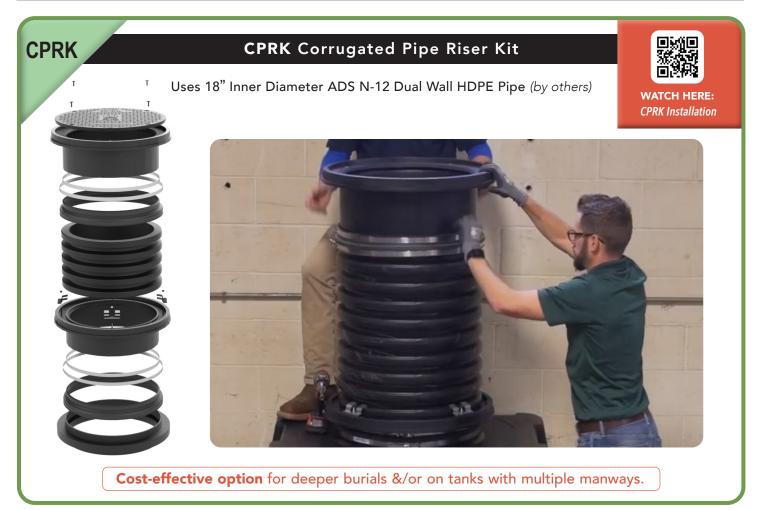
### HIGH WATER TABLE HOLD DOWN KITS





Tilt adapter up to 6.5° in any direction to match grade.







### COVERS ACCESSORIES









LOCATION:	
DIAMETER:	
TYPE:	
LOAD RATING:	

C16-M	C24-M	C24-H	C24-HP
INDOOR	INDOOR	INDOOR / OUTDOOR	OUTDOOR
16"	24"	24"	24"
BOLTED POLYPROPYLENE	BOLTED COMPOSITE	BOLTED COMPOSITE	PICKABLE CAST IRON
2,500 LBS.	2,000 LBS.	16,000 LBS.	16,000 LBS. H-2O RATED

### **ACCESSORIES**

### LIMESTONE



- 90% or greater calcium carbonate content
- 1" 3" in size
- 25 lbs. and 50 lbs. options available



### **OUR TEAM + OUR PHILOSOPHY**







Manufacturing in Kansas City, KS