

SPECIFICATIONS

- 1. 4" Plain End inlet/outlet, 3" Plain End vents, C24-HP covers standard.
- 2. Certified max flow rate: 100 GPM.
- 3. Liquid capacity: 500 Gallons (66.8 cu. ft.).
- 4. Oil capacity: 125 Gallons.
- 5. Solids capacity: 164 Gallons.
- 6. Unit weight w/ standard covers: 456 lbs.
- 7. Maximum operating temperature 140°F continuous.

NOTES

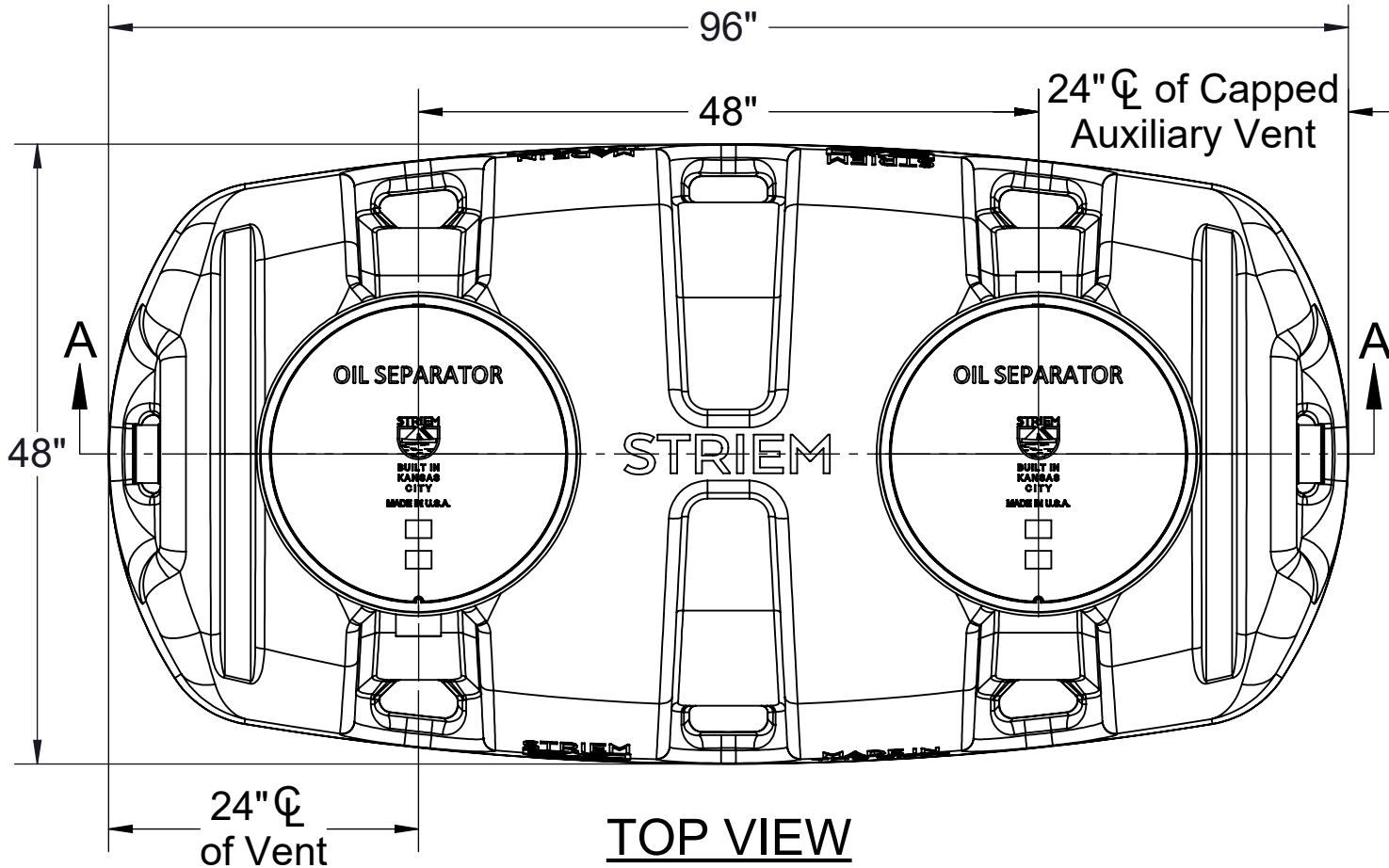
- 1. Engineered inlet diffuser efficiently separates oil from water.
- 2. Capped auxiliary vent provided to allow flexibility with vent piping and design. Provided cap can be moved to unused vent location, or discarded if two chamber vents are required per local code.
- 3. For gravity drainage applications only.
- 4. Do not use for pressure applications.
- 5. Cover placement allows full access to tank for proper maintenance.
- 6. Maximum burial depth: 106" from standard cover height.

ENGINEER SPECIFICATION GUIDE

Striem high efficiency oil/water separator model OS-500 shall be lifetime guaranteed and made in the USA. Separator shall be certified to IAPMO IGC 325 and carry a UPC listing. Separator shall be constructed of polyethylene. Separator shall be manufactured for above- or below-grade installation. Field-adjustable riser system is available as an option to bring manhole covers to grade. Separator flow rate shall be 100 GPM. Separator liquid holding capacity shall be 500 gallons and oil capacity shall be 125 gallons. Solids capacity shall be 195 gallons. Covers shall be H20 rated pickable cast iron.

IAPMO IGC 325 CERTIFICATION

The OS-500 has been third party certified by IAPMO to the IGC 325 standard. The OS-500 achieved an average 99% efficiency rating with 3.7 mg/L at 100 GPM up to the maximum oil capacity of 125 gallons. The structural design has been approved and stamped by a structural engineer for direct burial in accordance with Striem's installation instructions.



OPTIONS

Connection Options (Plain End Only)

Inlet / Outlet

- ☐ 4"
- ☐ 6"

Riser Options

From Factory: Up to 5"

- ☐ Up to 24": **SR24** (2)
- ☐ Up to 39": **LR24** (2)
- ☐ Up to 43": **SR24** (4)
- ☐ Up to 58": **SR24** (2) + **LR24** (2)
- ☐ Up to 72": **LR24** (4)
- ☐ Up to 90": **SR24** (2) + **LR24** (4)
- ☐ Up to 106": **LR24** (6)

-OR-

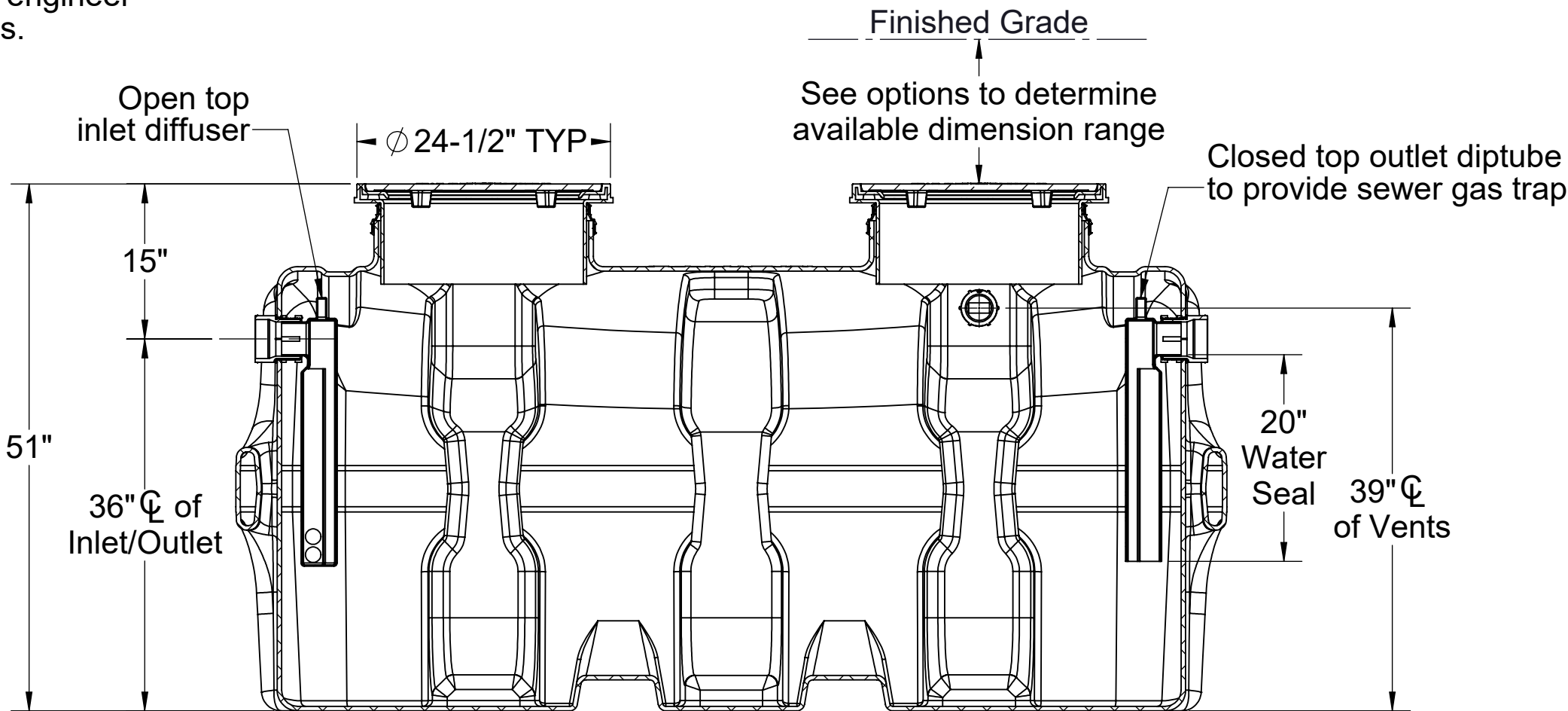
- ☐ **CPRK** (2): 11" - 106" (See specification for more detail.)

Additional Options

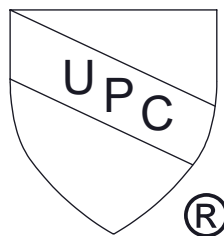
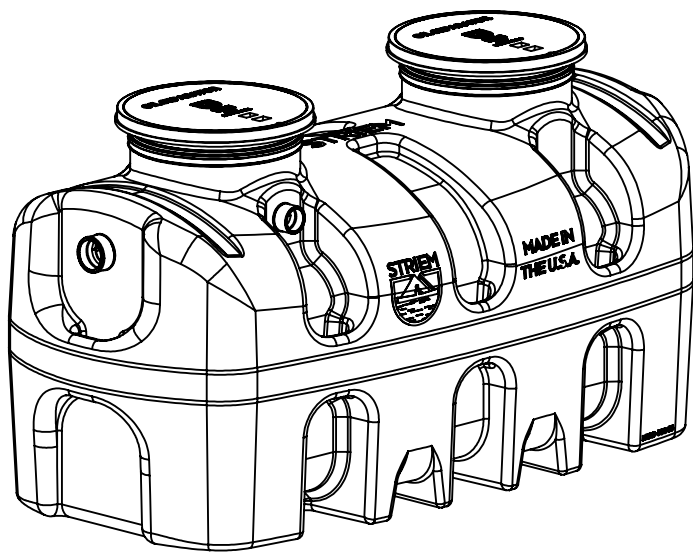
High Water Table Hold Down Kits (Choose One)

- ☐ **HDK-13**: With Steel Plates Included
- ☐ **HDK-14**: For Concrete Deadmen (By Others)
- ☐ **C24-M** (2): 2,000 lbs. Rated Bolted Composite Covers
- ☐ **SS**: Slick Stick™ Oil Level Monitoring System\*

\*Monitoring system will raise covers by 3".



SECTION A-A



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MODEL NUMBER: OS-500

DESCRIPTION:

100 GPM POLYETHYLENE  
HIGH EFFICIENCY OIL/WATER SEPARATOR

DWG BY: ENG    DATE: 9/16/2025    REV: 1

SPECIFICATION SHEET

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Made in the U.S.A

