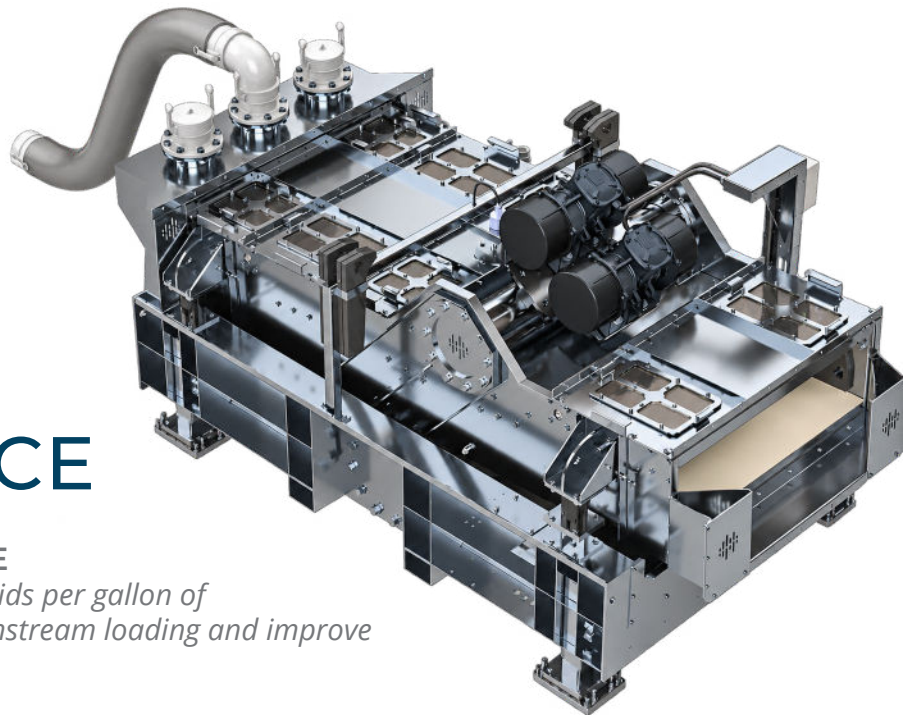


INTRODUCING THE DUPERON® SMARTWAVE™ SEPTAGE RECEIVING

The SmartWave™ Septage Receiving screen uses controlled-vibration technology to address the challenges of today's unpredictable septage loads. By delivering targeted screening motion while minimizing unnecessary vibration transfer, SmartWave helps capture difficult solids, handle FOG-laden septage, and reduce maintenance demands. Designed without a rock trap, SmartWave gives facilities a more reliable way to manage what arrives at the receiving station.



THE DUPERON® DIFFERENCE

HIGH SOLIDS CAPTURE

Designed to remove more solids per gallon of influent, helping reduce downstream loading and improve overall plant performance

CONTROLLED VIBRATION TECHNOLOGY

Purpose-built vibration delivers consistent screening performance while directing energy where it matters most, without brushes or scrapers to wear, replace, or maintain

BUILT FOR FOG-LADEN SEPTAGE

Patent-pending screening technology helps prevent FOG smearing and blinding, maintaining reliable performance through challenging septage conditions

DESIGNED WITHOUT A ROCK TRAP

Eliminates the need for a separate rock trap, reducing maintenance, manual debris removal, and operator effort

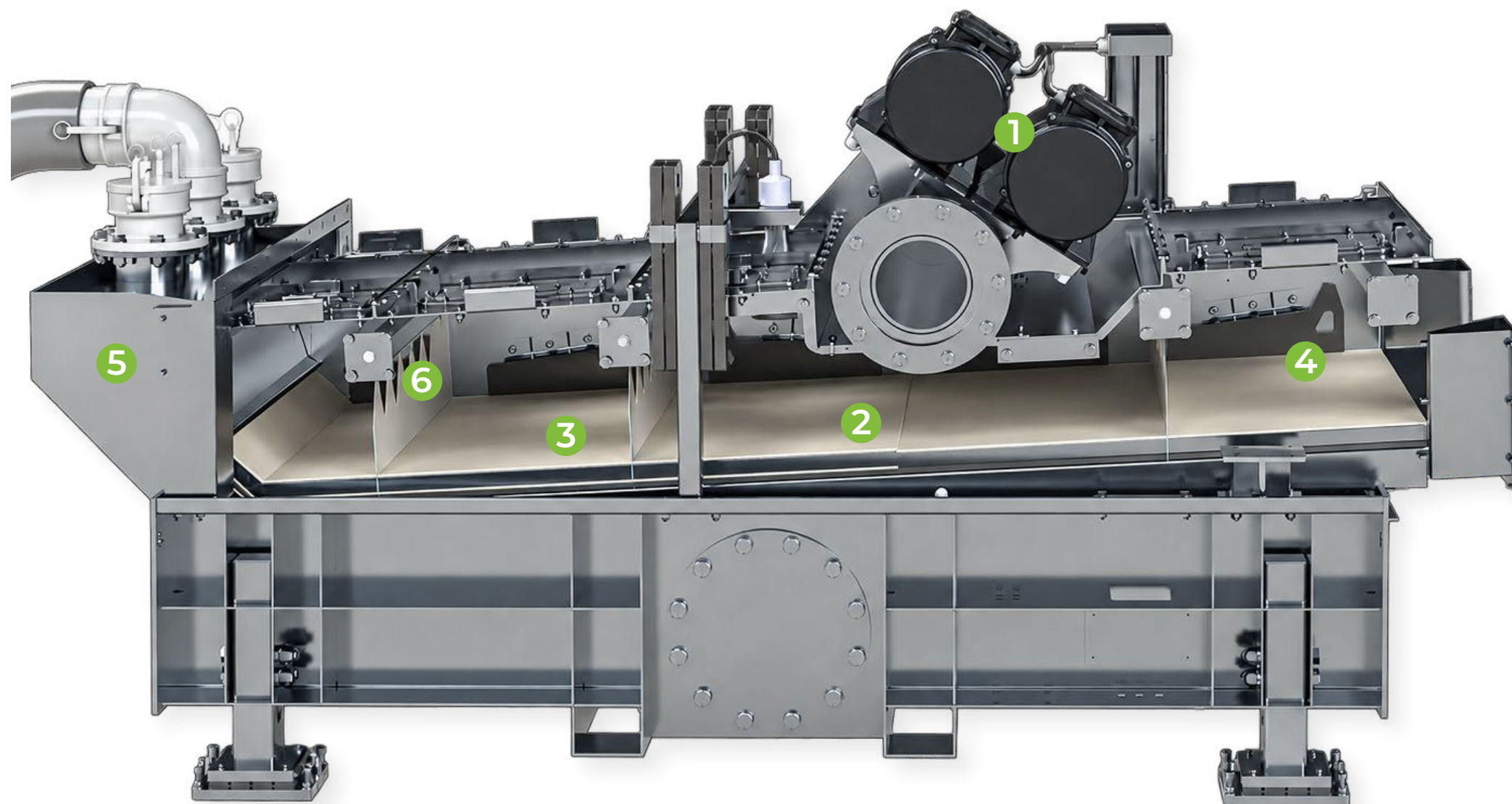
RELIABLE THROUGH VARIABLE LOADS

Handles challenging septage conditions—including rags, wipes, grit, organics, and changing loads—with reliable performance



INTRODUCING THE DUPERON® SMARTWAVE™ SEPTAGE RECEIVING

Septage flows onto the SmartWave™ screening surface, where precisely tuned vibration creates a controlled wave motion that separates liquids from solids. As liquid passes through the screen, captured debris is continuously conveyed to discharge—keeping material moving and minimizing buildup.



HOW IT WORKS

1. TUNED VIBRATION

Dual SmartWave™ rotary electric motors deliver controlled wave motion for consistent liquid/solids separation and continuous debris conveyance

2. HIGH SOLIDS CAPTURE

Perforated screen panels capture rags, wipes, grit, FOG, and organic solids from challenging septage streams

3. FOG-RESILIENT SCREENING

Continuous vibration helps shed FOG from FOG-laden septage while capturing solids—without scrapers, augers, or brushes—to minimize blinding

4. SELF-CLEANING, QUICK-CHANGE PANELS

Patent-pending design minimizes hair pinning, while removable panels simplify maintenance and allow opening sizes to be easily adjusted for changing site conditions

5. NO ROCK TRAP REQUIRED

Patent-pending design moves rocks and dense debris across the screening surface to discharge, reducing maintenance and improving uptime

6. BUILT-IN SPRAY BARS

Wash debris from the screening surface with spray nozzles sized for specific site applications



PILOT TEST PROGRAM

Experience the Duperon® SmartWave™ Septage Receiving Screen at your site through our Pilot Test Program. Municipal facilities can participate in this 2–4 week program to evaluate how SmartWave™ performs with your unique septage characteristics, including rags, wipes, FOG, grit and other challenging solids.

The portable, pick-and-place SmartWave™ system includes the screening basket, base tank, controls and supporting equipment needed for testing. Upon request, the Duperon® Gen 4 Washer Compactor can also be included as part of the pilot to evaluate screenings handling and washing, compaction and conveyance. Participants will need to provide a power source, a water source for screen cleaning, and a method for collecting and disposing of screenings removed during the process.

Duperon will deliver and assist with system setup, provide initial pilot testing, operational training, support sampling and data collection, analyze test results, and provide a final test report. The information gathered during the pilot can help identify screening performance, solids characteristics, and operational considerations—providing valuable insight for selecting a septage receiving solution designed for your facility.

To learn more about the Duperon® SmartWave™ Septage Receiving Screen Pilot Test Program, contact us at sales@duperon.com or visit www.duperon.com.

PRODUCT DATA

UNIT MEASUREMENTS	6 ft W × 11.5 ft L × 6.5 ft H (Height adjusts downward up to 12 in)
PANEL TYPE	Perforated
PANEL OPENINGS	3/16"
MATERIALS OF CONSTRUCTION	Available in 304 SSTL
SPRAY BARS	Standard qty 3, 20-30 psi, 8-10 GPM per spray bar
TYPICAL MOTOR	Two 2.5hp , 3 phase, 60 Hz
CLEANING FREQUENCY	60 Hz continuous
FLOW CAPACITY	TBD based on test. Estimates can be provided
STANDARD CONTROLS	TBD based on test. Estimates can be provided
TYPICAL APPLICATIONS	Septage
OPERATION OPTIONS	Continuous operation or start/stop