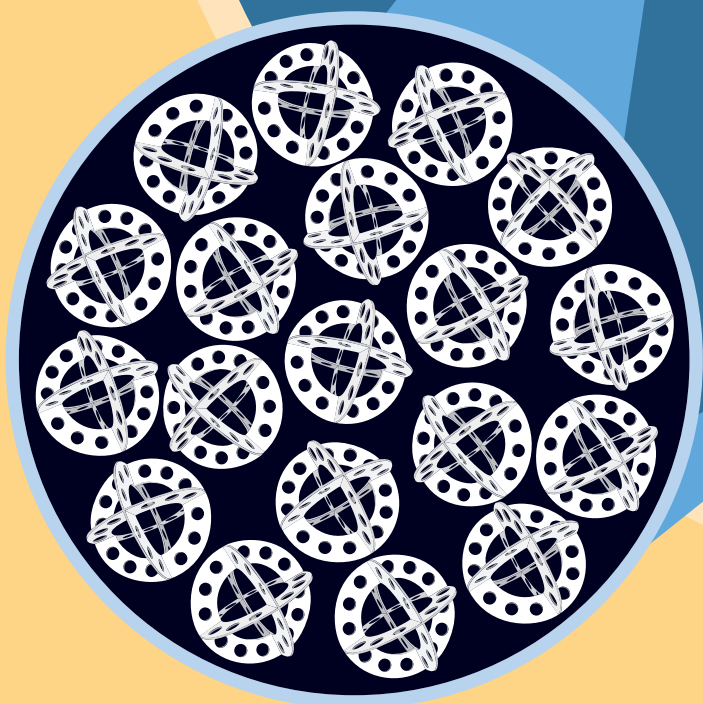




LIQUID-SURGE STABILIZER

Stabilize Your Liquid Load





LIQUID-SURGE STABILIZER

PROBLEM

According to the University of Michigan Transportation Research Institute, liquid cargo shifting or "liquid-surge" occurs during accelerations in partially loaded vessels or bulk tankers. The surge problem arises when the fluid response to these accelerations imposes such large forces upon the tank that vehicle motions are seriously disturbed or even destabilized leading to overstress or vessel fatigue and possible loss-of-control accidents.

SOLUTION

Liquid Surge Technologies Inc. introduces the Liquid-Surge Stabilizer ("L-SS"), an industry-leading, evolutionary, retro-fitable baffle system designed to stabilize the acceleration of fluids in partially loaded vessels and tank trucks.

L-SS TECHNOLOGY

What is it and how does it work?

- An evolutionary retro-fitable baffle system; (simple, fast assembly, no-tools installation and no attachment to tank);
- A system of high strength interlocking spheres that control liquid surge; and
- Each LSS creates a control zone – fluid passes but surge is removed. Collectively the L-SS units create a complete liquid surge stabilizing system. (stabilizes surge fore-aft, lateral, top-bottom, all angles; unlimited directions of deflection)

WHERE DOES L-SS MAKE A DIFFERENCE?

- Braking and Acceleration
- Lane and Direction change
- Changing road conditions and surfaces
- Evasive actions
- Driver Stress
- City and Highway traffic
- Vessel stress

ACCORDING TO THE CALIFORNIA DEPARTMENT OF MOTOR VEHICLES:

"Liquid Surge creates vehicle instability and unsafe handling, tank damage and increased mechanical costs."

-Now get the system that controls surge action in every direction throughout the entire tank (including each compartment) in full or partial loads.

WHAT TANKS ARE COMPATIBLE WITH L-SS SYSTEMS?

- Poly
- Aluminum
- Steel
- Fiberglass
- All Shapes

Industry-leading design – Fast assembly
 Reliable control numbers – Low cost shipping
 Most efficient performance – Most effective cost
 US & CDN Patents Pending

OPERATIONS' BENEFITTING FROM L-SS SYSTEMS

- Government agencies (DOT - irrigation, anti-icing, parks, etc);
- Landscape, lawn care & arborists;
- Agricultural and custom spraying;
- Rural fire departments (*nurse tanks*); and
- Private Industry (water, chemicals).

SPECIFICATIONS

No tank attachment – No tank stress

Fast, easy, self-locking assembly-no tools

- white high strength plastic (*food grade use*);
- 3 locking rings form an open core sphere with 12 flow restriction ports on ring sections (36 flow restriction ports in total);
- Installation through 20" and 16" manways;
- Systems pack flat for low cost shipping;and
- Tank capacity dictates qty. of L-SS per system. (*see chart below*)

L-SS1900

| US Gallons | Imperial Gallons | Approx. # of L-SS1900's | Displacement lbs |
|------------|------------------|-------------------------|------------------|
| 1000 | 833 | 74 | 190 |
| 2500 | 2082 | 185 | 474 |
| 5000 | 4163 | 370 | 948 |
| 7500 | 6245 | 556 | 1422 |
| 10000 | 8327 | 741 | 1896 |

L-SS1575

| US Gallons | Imperial Gallons | Approx. # of L-SS1575's | Displacement lbs |
|------------|------------------|-------------------------|------------------|
| 250 | 208 | 26 | 48 |
| 500 | 416 | 53 | 95 |
| 750 | 625 | 79 | 143 |
| 600 | 500 | 63 | 115 |
| 1000 | 833 | 105 | 191 |
| 1500 | 1249 | 158 | 286 |

Increased stability, maneuverability and safety in partial loads.

Every Dept. of Motor Vehicles notes liquid surge as a significant problem.

Contact us today to discuss your requirements.

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Stabilize Your Liquid LoadSM