

PRODUCT

A bottomless basin with integrated suction that prevents irrigation fluid, blood, and body fluid from flooding into the surgical field.

INDICATION

Surgical irrigation.

VALUE PROPOSITION

- Provides an intuitive and user-friendly solution for containing irrigation fluids.
- Prevents overflow of fluids onto the operating table and floor.
- Eliminates the need to absorb overflow fluids using towels and drapes, increasing procedural efficiency.

DEVELOPMENT STAGE

Functional prototype.

INTELLECTUAL PROPERTY

US 17/587,529

CONTACT INFORMATION

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Spill Protection Basin for Surgeries

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PROBLEM

Irrigation is commonly used in open surgeries to promote wound healing and prevent infection. Large amounts of saline (or other irrigation fluids) may be used during a procedure to remove foreign material and decrease bacterial contamination of the wound, however keeping fluid from overflowing remains an issue. Due to the copious amount of fluid needed, as well as blood and body fluid produced by the patient, flooding of the surgical field can occur- onto the table, operator, and floor- creating slipping hazards and biological hazards. In addition, the current practice is to place towels and drapes surrounding the surgical field as well as on the floor to collect overflow fluids, drawing attention away from the procedure. An innovative solution is needed to control fluid accumulation during surgery, reducing physical and biological hazards for both the operator and the patient.

SOLUTION

A Cleveland Clinic surgeon developed a bottomless basin with an integrated suction port that enables irrigation fluid, blood, and body fluid to be contained and continuously evacuated. By continuously removing fluid with this device the surgical field can be kept clear, reducing the risk of contamination and infection.

