



INDUSTRIAL
FLOW
SOLUTIONS™

CASE STUDY
OverWatch®
Boston, MA, USA
Commercial Retrofit

Transforming Boston Hospital's Wastewater System: The Benefits of OverWatch® Direct In-Line Technology



Problem

A Boston hospital faced persistent operations interruptions with its wet well sewage ejector system.

Key challenges included:

- **Constant Clogging & Service Interruptions:** "Flushable" wipes, hospital gowns, & medical debris in the waste stream regularly caused failures.
- **Health & Safety Issues:** Accumulated sewage resulted in foul odors & hazardous gases.
- **Sanitation Concerns:** Exposed wet well attracted rodents & other pests.
- **High Maintenance Costs:** Frequent emergency service repairs, cleanup, equipment replacement and pest control.
- **Infrastructure Damage:** Prolonged exposure to H₂S accelerated corrosion on the pump system.

The hospital required a reliable, low-maintenance solution for uninterrupted operation.

Solution

The hospital implemented an OverWatch® Direct In-Line Pump System, to eliminate the wet well.

The installation offered several benefits:

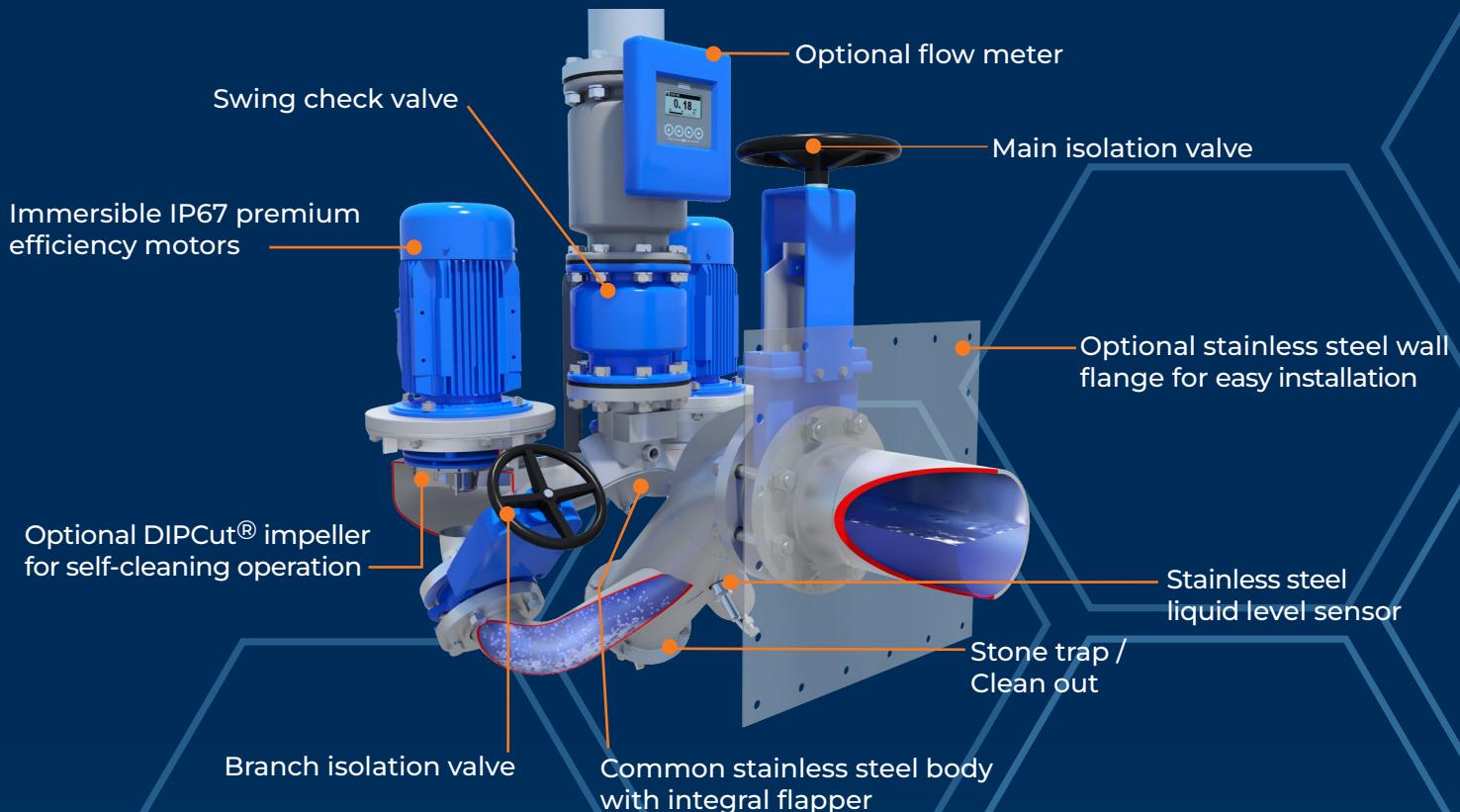
- **Elimination of the Wet Well:** Lifting influent directly from the gravity invert, prevents the accumulation of sewage and eliminating odors.
- **Reduced Clogging & Maintenance:** OverWatch® keeps effluent in motion, preventing debris buildup. The patented DIPCUT® impeller reverses when high torque is detected, clearing clogs to ensure reliable operation.
- **Improved Sanitation & Pest Control:** By removing the exposed wet well, OverWatch® eliminates conditions that attract rodents and pests.
- **Preventative Infrastructure Damage:** Durable stainless-steel construction withstands harsh wastewater conditions & corrosion.

OverWatch® transformed the hospital's wastewater system, addressing operational issues while improving efficiency, hygiene, and cost-effectiveness.



OverWatch®

Direct In-Line Pump System



OverWatch® Direct In-Line Pump System by Industrial Flow Solutions™ is a breakthrough technology designed to lift influent from the point of entry, eliminating the wet well. Influuent is contained, eliminating odors, and reducing maintenance. The stainless-steel body is designed to withstand the effects of corrosion from harsh materials and solutions, making **OverWatch®** an ideal solution for the Municipal, Industrial, or Commercial industries.

STAINLESS STEEL IMPELLER OPTIONS



DIPCUT®

Shredding



Pumping



VORTEX



HIGH EFFICIENCY



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