



OverWatch™ Direct In-Line Pump System

Success Story

A ready to install dry-well complete with duplex pumps, controls, and valves drops right into place for the deepest lift station in France

Overview

The lift station of St Romain en Giers is operated by the French Water Company Lyonnaise des Eaux. This is the deepest lift station in France, at 28ft deep. This lift station was installed with an OverWatch™ Direct In-Line Packaged Lift Station (PLS) System, which is a turn key ready, stainless steel pumping system. The PLS eliminates the hazards associated with traditional wet wells: clogged pumps, odor emissions, and dangerous gases and entry.

There is no wet well; the duplex pumping system and valving is contained in the prefabricated lift station. The PLS is equipped with a OW61R-2VV-15Hp OverWatch™ Direct In-Line Pump System designed for a flow of 176gpm and 70ft of head. This system has allowed wastewater to pass under the highway A47 and Giers River in France since 2014.

The technical manager Frédéric Delegue testifies that the operation of this pumping station is very easy and economical. There is no more screening, cleaning, or improper failures. There is also minimal on-site intervention of the operations. The OverWatch™ PLS Systems' frequency converters allow for energy savings as well.

PROBLEM

- Constant improper failures
- On-Site interruptions of operations causing downtime
- Ineffective cleaning and screening processes
- Deep and hazardous entry for repairs



"The pumping station is very easy and economical. There is no more screening, cleaning or improper pump failures." - Frédéric Delegue, Technical Manager

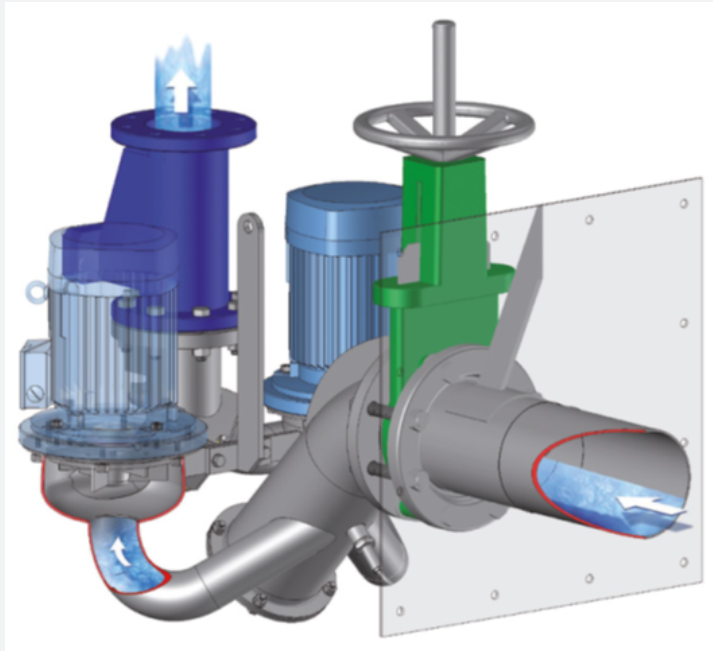
FEATURES

Immersible IP67 IE3 Motors

Modulated pumping driven by variable speed drives for optimized performance and savings

Optional DIPCut® Shredding impeller for self cleaning operation

Shared stainless steel hydraulic body



Isolation valve for easy maintenance

Stainless Steel wall flange supplied for easy mounting

Optional remote monitoring allows for control anywhere

Stainless Steel level pressure sensor

Stone trap/Clean out

Eliminating the wet well to maximize safety; minimize maintenance

The OverWatch™ Direct In-line Pumping Technology creates an environment that eliminates wet well maintenance, exposure to dangerous gases and hazards associated with retained effluent, while saving 30% on energy costs and 65% total savings over the life of the pump. Lifting liquid as it arrives removes the opportunity for whip, fats, oils or greases to build up and solidify. The VFD controlled pump allow the system to adjust it's performance real-time; reversing operation to remove clogs. With over 2000 installations globally, OverWatch™ is maximizing safety and minimizing risk by retrofitting current lift stations all over the world.

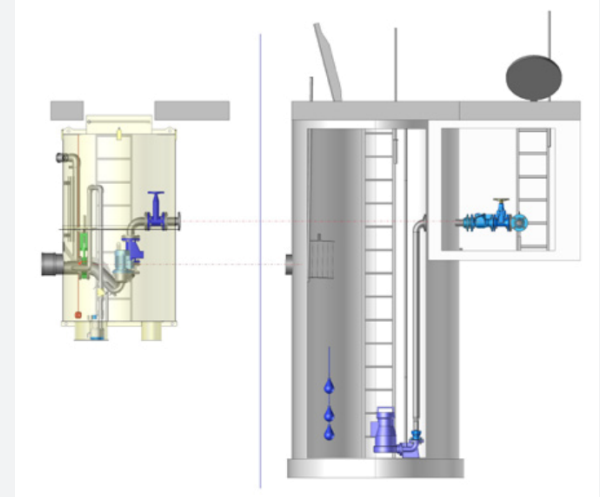
BENEFITS

- Eliminates the wet well and hazards associated with them
- Constant self monitoring operation allows the system to adapt real-time to the environment, adjusting motor performance to the incoming flow and eliminating potential clogs without human intervention
- Reduced maintenance; no screen or well cleaning; no scheduled site visits.

APPLICATIONS

- Munciple retrofits or new wet wells
- Residential, commercial or industrial ejector pumps
- In-line pipe booster systems

Direct In-Line vs. Traditional Installation



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