



Retrofit Assembly CUSTOM ENGINEERED TO ADDRESS MECHANICAL AND PERFORMANCE ISSUES



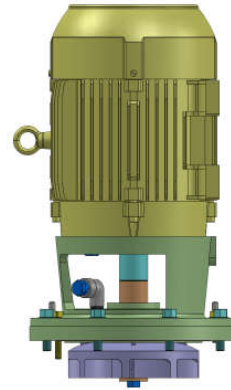
Problem

Photo 1 above: A non clog pump volute and combination suction elbow and stand were removed from a pump station that was experiencing constant plugging issues. This required frequent maintenance and repairs. It was removed from service and sent the ESSCO factory to be retrofitted with a vortex pump rotating assembly.

ESSCO has been providing custom engineered products to address mechanical and performance issues found in existing pump installations since 1974. Custom engineered pumps can address issues such as pump plugging, piping changes for replacement pumps and replacement rotating assemblies without being forced to replace an entire unit along with installation specific problems. In addition, superior materials for wear and corrosion resistance can be utilized. Let ESSCO's experienced and knowledgeable sales team help you develop a long term solution in your application.

The most common problems addressed are:

- Clogged or plugged pumps.
- High cost of re-piping existing pump installations
- Excessive wear on the pumping equipment



Solution

Illustration above: ESSCO provided a custom replacement vortex rotating assembly which allowed the salvaged liquid end to be re-used and the station piping did not need to be changed! ESSCO VDPCC 100% recessed impeller vortex pump kit was supplied.

- High maintenance and repair of pumps and associated support equipment such as sewage grinders.
- Need budget friendly solutions for the high cost of remodeling a pump installation (pump stations).
- Pumps need to last and give years of reliable service in medium to severe duty applications.

ADDITIONAL OPTIONS:

- ☐ Certified Performance Test**
- ☐ Certified Hydrostatic Test**
- ☐ Certified Motor Test
- ☐ U.L. Listed Control Panels

*ESSCO Pumps are Cast, Manufactured, Assembled and Tested in the U.S.A.**

* Some items may be sourced in North America if not manufactured in U.S.A.

**All tests are conducted as per Hydraulic Institute Standards.

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