

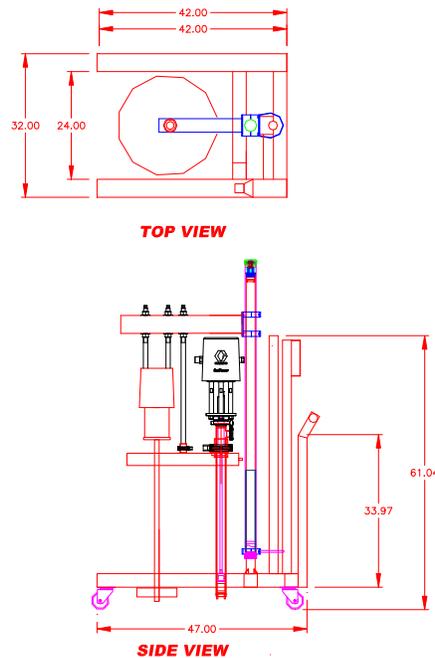


## SCOPE

The portable elevator equipment is designed to assist in the raising and lowering of pumps into open top drums of low viscosity fluids. Lockable casters are provided to make the module portable. Stainless steel surfaces are brushed and passivated.

Included with this module are open architecture pneumatic controls to operate the elevator, pump, and agitator. Interlocks are provided to prevent module mobility when the lift is raised and pump operation when the casters are free to move. Optional wash down controls are available and listed below.

Finally, a stainless steel cover is supplied to protect the contents of the process container. The drum cover and the customer supplied agitator are attached to the top beam via connecting rods and Tri-clamp connections. The customer supplied pump is attached to the drum cover via a quick clamping connection.



All of the above equipment will be assembled and tested as a packaged system.

*Springer Pumps (SPLLC)* will be responsible to supply the previously described equipment, integrate the system, test and ship. *SPLLC* will also provide the necessary engineering services to document the system and define field installation requirements.

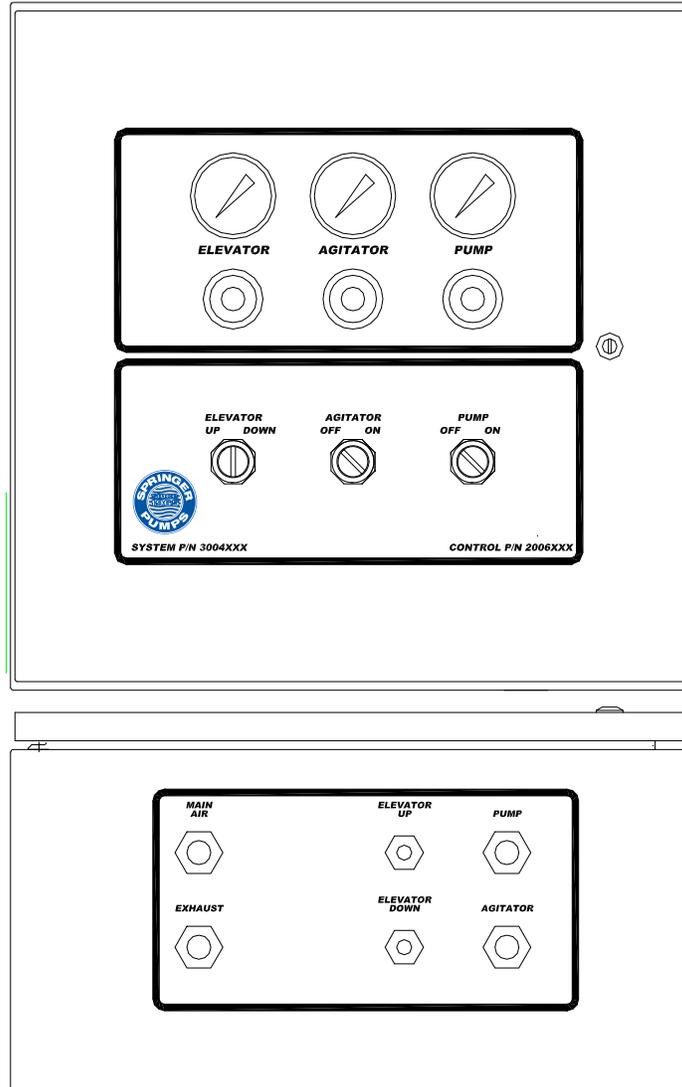
## OPTIONAL EQUIPMENT

**Springer Pumps, LLC**

Tel: 866-777-6060 Fax: 866-777-6383 [info@springerpumps.com](mailto:info@springerpumps.com) [www.springerpumps.com](http://www.springerpumps.com)



A. **PNEUMATIC CONTROL PANEL** – All control equipment is located in a stainless steel NEMA 4 enclosure. Gauges, regulators, and selector switches are panel mounted and centrally located to aid in the operation of the pumping system. The cabinet may be installed and plumbed to either side of the pumping system.



**SPLLC** will be responsible to supply the previously described equipment, integrate the system, test and ship. **SPLLC** will also provide the necessary engineering services to document the system and define field installation requirements.

All installation services to be performed by others. Start up and training can be provided with the **SPLLC** standard field service rate guide.

Installation requirements for the system will include, but may not be limited to the following (depending upon the desired user arrangement):



- Fluid supply filtration and regulation.

### **Additional Notes**

- Should specific materials for construction be required other than EDS's standards, the price may change.
- Should agency approval be required for the control, the price will change accordingly.

### **Not Included as Part of This Proposal**

- Installation and installation services.
- Fluid supply equipment, regulation, and filtration.
- Application equipment.