

Electric Motor Driven Pump

Our HP-40 Transfill System can be supplied with an electric motor driven pump which is "whisper" quiet. It can pump 1650 SCFH or up to 66 "E" cylinders per hour. Higher capacities up to 14,000 SCFH are available. A vertical piston is used with trouble free room temperature seals. Slow speeds (60 cycles/min.) ensure long life

Power Requirements

For lower operation costs, 3-Phase motors are recommended. 2 HP 230 Vac., 3 -Phase, 60 Hz can be used at pressures up to 3,000 PSI. required to fill fiber wrap cylinders. 2 HP 220 Vac., 1-Phase, 60 Hz can be used at pressures up to 2,500 PSI. required to fill aluminum and steel cylinders.

Cost Savings

If you use (100) "E" cylinders per week, you can save about \$2,000.00 per month. For a detailed cost analysis, call or send us an E-mail.

Efficient - Use Less Oxygen

Our patented (#5,819,544) system uses a pump immersed in 140 liters of liquid oxygen, in a vacuum insulated container. The pump would require cool down for the first batch of cylinders filled, but would not require additional cool downs.

Competitive systems continually flow Liquid Oxygen into the pump. The competitive systems require cool down for each batch of cylinders filled, with typical Liquid Oxygen loss of 100 to 200 liters for (8) hours of operation.

Convenient - Time Saving

Automatic operation. Simply load cylinders, vent, evacuate and start the pump. The alarm will sound when ready to unload the cylinders. two (2) separate fill manifolds allow the operator to fill (1) manifold while evacuating the other. Can fill cylinders with two (2) different operating pressures up to 3,000 PSI at the same time. Can gas-to-gas transfill up to three (3) "E" cylinders at a safe controlled speed, without using the pump.

Simple Installation

All components of the system (except analyzer) are mounted on a 5 ft. X 3 ft. Stainless Steel Skid. Simply pipe system vents outdoors and connect input electric power to the pump

Safe

Five (5) independent safety devices assure safe, reliable operation. They include: Automatic shut-off timer, (3) pressure relief valves, (2) pressure switches, rupture discs, and (3) speed controls.

Utilize Existing Equipment

Existing components of a gas-to-gas Transfill system including manifolds, regulators, vacuum pump and oxygen analyzer can be integrated into our HP-40 Transfill System.

Equipment Rental

If you have an existing gas-to-gas transfill system, the basic Liquid Oxygen Pump can be supplied on a rental basis. Please call or send an E-mail for more information.

Other Gases

The HP-40 can be used to transfill NITROGEN or ARGON, as well as OXYGEN. Ideal for providing high pressure Nitrogen gas for pressure testing, Lasers, Autoclaves, Injection Molding, etc.

D.O.T., C.G.A., and F.D.A.

Approvals

We have over 40 years experience in the manufacture of Cryogenic Equipment and are D.O.T., CGA and F.D.A. approved.

Our HP-40 Transfill Equipment and Components meet all applicable specifications.