

EZG Manufacturing Grout Pump

Efficiency meets easy operation on the job site.



The EZG Manufacturing Hog Pump

When it comes to grout pumping, having the right equipment can make the job easier and more efficient. Unsatisfied with inferior commercial pumpers, EZ Grout decided to create their own pump to get the job done better and faster with less manpower. As a

result, the Hog Pumper was born.

Challenge

A masonry customer was looking for a more efficient way to fill block walls with grout. They were using a dated pumping system with a pressure compensated pump, on/off directional valves, and mechanical switching. Flow was not variable and the pump operated with strong pulsation. Two people were required to safely operate the equipment.

Solution

Kraft Fluid Systems developed a high performance system utilizing a Danfoss variable displacement Series 45 pump with load-sensing control, Danfoss PVG proportional directional valves, custom cylinders with linear position sensors, Danfoss CAN based Plus+1 microcontroller, Danfoss Plus+1 programmable display and HBC-radiomatic wireless controls.

Results

The value-added system now delivers stability even at low flow rates. This improved performance makes holding the concrete discharge hose effortless. Smooth operation and wireless control let a single operator manage a job. The max output flow is now higher strengthening the competitive position in the market. The new display shows how much material has been pumped enabling accurate invoicing. A diagnostics page programmed in the display improves troubleshooting and offers access to service tools without connecting a computer.

CLIENT NAME

EZG Manufacturing

LOCATION

Malta, OHIO

PROFESSIONAL SERVICES

- Application engineering
- Programming

EQUIPMENT SPECIFIED

- Danfoss Series 45 Pump w/load-sensing control
- Danfoss PVG proportional directional valves
- Danfoss Plus+1 microcontroller
- Danfoss Plus+1 display
- HBC-radiomatic wireless controls
- Custom cylinders w/position feedback

RESULTS

A more efficient grout delivery system. Easy operation.

CLIENT QUOTE

“The HP-20 Hog Pump is the simplest and most user friendly pump we have found for grouting walls. From set-up to clean-up it has been reliable and easy to use.”

-Curt Henderson, Market & Johnson