

## CUSTOM HIGH-FORCE PUMP DRIVER HPD Datasheet

Project: High-Force Pump Driver (HPD)  
Revision: 0  
Date: 9/22/16  
Industry: Fluid Handling

### Specifications

#### **Operation**

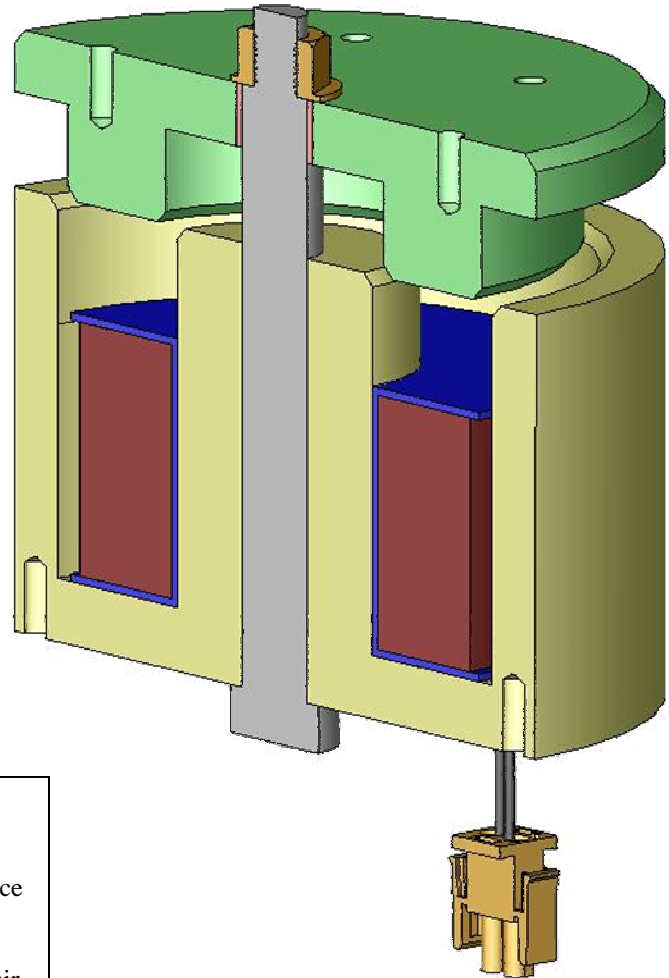
Pulling Solenoid

#### **Physical**

Size: 6" OD x 5" OAL  
Pulling Force: > 750 lb  
Stroke: 0.75"

#### **Electrical**

Voltage: 110+/-5 vdc  
Current: 5 A max  
ON Time: 250 ms max  
Duty Cycle: 10% max  
Lead Wires: 6", 18 AWG Copper Wire  
(customer selected connector)



This customer needed a large solenoid with a very high pulling force and a very long stroke. We designed a custom product that met their requirements for both force and stroke, with a very fast cycle time.

This solenoid was developed to replace a complicated air driven system that required an on-board compressor, valves and air cylinders. All of these components could be replaced with this cylinder to a substantial cost savings. This allows the customer to expand their market share and provide unique performance in a low cost package.

At Preston Solenoid, we work with our customers to help them achieve their goals. Contact us to see if you might make use of our capabilities and experience. We will be glad to provide you with a budgetary estimate and initial design proposal, all at no cost or obligation.