

## P1075 & PD075 With Electronic Control New IDEC Control Sets the Bar!

New Electronic  
Controlled  
Piston Pump  
Prototypes  
Available



Integral package

Mobile and Industrial  
Versions

Fast & Accurate  
Response

Diagnostics

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### Parker's P1& PD Series Piston Pump Offers New Integral Digital Electronic Control

An integral digital electronic control (IDEC) is being introduced for the P1 and PD Series, Medium Pressure, Variable Piston Pump. This unique control allows the user to electronically control the pump functions, such as proportional pressure, proportional displacement, electronic torque limiting, electronic load sensing, anti-stall, and constant flow. The control is integral to the pump and has no external wires or plumbing other than the power and signal wire which commands the flow and pressure output. The pump features sensors for pressure, speed, and displacement which are used with the control software to provide the desired pressure and flow output. The sensors also provide the user with hydraulic system monitoring capability for onboard diagnostics.

The IDEC pump is a plug and play device that **requires no calibration** by the customer. The customer just provides power (12V or 24V DC) and an analog command signal for the desired pump output. The integral pump software does the rest. A windows-based, graphical user interface software package operating on a PC connected to the pump with a RS-232 cable allows the customer to modify pump control parameters and monitor pump output if desired.

The P1/PD075 (75 cc/r) is the initial frame size to be released with this control. Full production release for the P1/PD075 is scheduled for October, 2006. Release of the 100 cc/r and 140 cc/r with IDEC control will follow the 75 cc/r unit in early 2007. CANBUS compatible versions will be available in 2007.

Parker Hannifin, HPD, is currently working on customer prototype installations as we prepare for full production. If you have an application that can benefit from *lower installed cost, lower commissioning cost, lower operating cost and improved system reliability*, please contact us.

#### Customer Benefits :

- ✓ **Lower Commissioning Cost due to simple, plug and play electronics.**
  - Typical savings is \$400/day
- ✓ **Lower Installed Cost since simpler circuit, less sophisticated valves**
  - Typical savings is \$500 to \$1000 per machine .
- ✓ **Lower Operating Cost due to more efficient hydraulic system.**
  - \$500 to \$1000 per year savings
- ✓ **Improved System Reliability with onboard diagnostics.**
  - Eliminating one service call can save \$1000.