



News Release

For Release: Immediately
Media Contact: Eric Knappenberger
Phone 330 666 0868
eric@smileyhanchulak.com

Parker Announces New PV360 Axial Piston Pump; Smartly Designed, Quiet, Modular and Easy-to-Service Pump Aims to Increase the Productivity of Heavy-Duty Machines

MARYSVILLE, OH – October 7, 2010 – Parker Hannifin Corporation, the global leader in motion and control technologies, has introduced a new addition to the *PVplus* axial piston pump family, the PV360. A variable displacement, 360 cc/rev pump, the PV360 can address a wide range of heavy-duty mobile and industrial applications with operating pressures up to 5,000 psi (350 bar).

Featuring a large servo piston for exceptionally fast response, the PV360 is best suited for cranes and lifting equipment, presses, metal forming machines, hydraulic power units (HPUs) and for marine use. In these applications, where the hydraulic system may already be subject to high impact forces, the PV360 – thanks to Parker’s patented ripple chamber technology – produces between 40-60% less pressure and flow pulsation than comparable pumps. This means that fewer sine waves – capable of loosening hydraulic connections and damaging downstream components – are introduced into the system as added burden; pump noise is also subdued.

A second key advantage of the PV360 is its modular design. A wide variety of compensator options are offered including standard pressure, remote pressure, load sensing and horsepower. Pilot valves can also be directly mounted without any piping. This permits simple and straightforward in-field conversion, when necessary.

The ease of service afforded by the PV360 is furthermore of great benefit. Metric and SAE mounting interfaces are available and threads/ports can be ordered metric or UNC/UNF, meaning connectors and mounting bolts – even for body and compensator – are available according to local standards around the world.

For installation and maintenance, no special tools are needed to alter the pump's configuration, meaning part supply – and once again, field service – present little issue.

Finally, all Parker PV*plus* pumps are 100% through-drive capable and are equipped with an easily accessible displacement adjustment screw. In double configurations, both pumps can be used at full flow and nominal pressure at the same time. Therefore, multiple pump systems can be built with only one drive motor and the maximum displacement of any PV*plus* pump – also in pump combinations – can be adjusted or modified at any time.

In addition to the new PV360, Parker's PV*plus* pump series includes 16, 20, 23, 28, 32, 40, 46, 63, 80, 92, 140, 180 and 270cc displacement models. To learn more, visit www.PHpump.com, email pumptechsupport@parker.com or call the Hydraulic Pump Division at 937.644.3915.

About Parker Hannifin's Hydraulic Pump Division

The Hydraulic Pump Division of Parker Hannifin is a leading manufacturer of piston pumps, vane pumps and hydrostatic transmissions that set new industry standards for performance, precision control, responsiveness, service life, adaptability and low noise. Worldwide, Parker's advanced open- and closed-circuit pump technology helps mobile and industrial equipment users achieve greater efficiency from their hydraulic systems with the potential of reducing energy consumption. Visit www.phpump.com to learn more.

With annual sales of \$10 billion in fiscal year 2010, Parker Hannifin is the world's leading diversified manufacturer of motion and control technologies and systems, providing precision-engineered solutions for a wide variety of mobile, industrial and aerospace markets. The company employs approximately 55,000 people in 46 countries around the world. Parker has increased its annual dividends paid to shareholders for 54 consecutive years, among the top five longest-running dividend-increase records in the S&P 500 index. For more information, visit the company's web site at <http://www.parker.com>, or its investor information site at <http://www.phstock.com>.

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