



# News Release

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## **XF70 Fast Fill Commercial and Fleet Dispenser and TF25 Time Fill System** **Position Parker as the Premier Provider of CNG Fleet Fueling Solutions**

### ***Integrated CNG Fueling Dispensers Presented at 2015 Alternative Clean Transportation (ACT) Expo***

**DALLAS, TX, May 6, 2015** – Parker Hannifin Corporation (NYSE: PH), the global leader in motion and control technologies, is setting the new standard in CNG (compressed natural gas) fuel dispensing with the Parker XF70 Fast Fill Commercial and Fleet Dispenser and the TF25 Time Fill System. Featuring integrated fueling systems and intrinsically safe components, the XF70 and TF25 are the only CNG fueling dispensers engineered from the ground up for heavy-duty fleets. With over 600 installations worldwide, the XF70 – along with the best-selling TF25 and other Parker CNG fueling products – has secured Parker's position as the premier fleet fueling supplier.

The Parker XF70 is designed for high-flow (155 lb/min / 70 kg/min), high-cycle CNG applications and has a 4:1 safety factor on all pressure-rated metal parts. The fleet industry's first internet-enabled CNG dispenser, the XF70 offers plug-and-play remote diagnostics and maintenance, bringing the Internet of Things (IoT) to fleet fuel dispensing. The XF70 also features best-in-class certified components from Parker, ANSI NGV 4.1/CSA 12.5 compliant design, and ANSI/NGV 4.2/CSA 2.52 certified hoses. All the components work together to ensure faster fueling, exceptional durability, uncompromised safety, minimal downtime, and consistent, reliable service. The dispenser has National Conference on Weights and Measures (NCWM) certification and certification pending with CSA.

The XF70 and TF25 dispensers are being showcased during a press conference in Parker Booth #537 at the 2015 Alternative Clean Transportation (ACT) Expo, on May 6, in Dallas, Texas. Both dispensers were designed by Parker's Veriflo Division. Veriflo is a leading manufacturer of precision gas flow management products with over 86 years of industry experience.

According to Madhukar Puniani, Business Development Manager (Natural Gas Systems), Parker Veriflo Division, "The XF70 Commercial and Fleet Dispenser has several features that set it apart from other CNG fleet dispensers. A significant XF70 breakthrough is the use of innovative ball valve technology instead of the industry standard of solenoids for gas flow. The ball valve technology increases flow across the total filling cycle, reduces total fill time, lowers the potential of blockage with particulates in gas, and eliminates freeze-up due to moisture in the gas in winter."

Other key features combine to create a dispenser that is safe, rugged, and reliable. These include dual filtration, fully serviceable high Cv ball valves with a high cycle life of typically 40,000 cycles between maintenance, integrated flow system design option resulting in 10-15% fewer leak paths, a robust enclosure, high-strength stainless steel frame, advanced temperature compensation, and remote

diagnostics and monitoring using low-power IEC 60079-certified electronic components. Integrated Modbus TCP/IP and 2 wire ports communicate with a choice of compressor and payment system.

In North America, the dispenser is targeted at private industrial, commercial, and fleet customers with a range of CNG vehicles, such as county vehicles, taxis, delivery and day cab trucks, cement trucks, school and transit buses, and waste refuse/recycling vehicles. CNG-powered vehicles save money on fuel and produce 30 percent fewer greenhouse gas emissions than diesel- and gasoline-powered vehicles, according to the Energy Information Administration (EIA).

Fully customizable and configurable to customer requirements, the complete XF70 dispenser assembly consists of: CNG hose, breakaway and filling nozzle using the most flexible ANSI/NGV 4.2/CSA 2.52 certified hoses on the market; low-energy electronics used on display and keypad set and advanced diagnostics and monitoring components; A-LOK<sup>®</sup> or CPI<sup>™</sup> leak-free tube fittings; and actuated durable ball valves, check valves, and relief valves with required certifications. All components offer low pressure drop, high flow, and durable construction for long-lasting reliability. Other dispenser assembly components include: Snap-tite breakaway for emergency shutoff; standardized and tested nozzles; specially designed 7CP and J Series filter elements for oil-free and particulate-free gas; advanced piston regulator for high reliability and perfect actuation pressure in ambients of -40°F to +250°F (-40°C to +120°C); CNG solenoid or high-cycle actuators coupled with high-flow CNG ball valves; and choice of one to three inlet lines with 77 lb/min and 155 lb/min (35 kg/min and 70 kg/min) flow rate options. All tubes, fittings, and connections are made of stainless steel. Other optional components are available, including additional slave screen, leak/tilt detection, heater, dual inlet filtration, and global connectivity for remote diagnostics and maintenance.

According to Thomas Austin, Principal Engineer, Parker Veriflo Division, "The Parker XF70 Commercial and Fleet Dispenser was designed with intrinsically safe components. Mechanical or user malfunctions are reduced or eliminated via the use of a specially designed frame, a series of unique protective sensors, breakaway couplings, and hose disconnects. Gas flow shutoff switches are provided on both sides of the operation. Both delivery and vent hoses are rated for 5,000 psi to set the highest safety standards."

The TF25 Time Fill – another CNG fuel dispensing product from Parker – is a proven time fill dispenser. It features an integrated anodized aluminum distribution manifold for the lowest number of connections for four fueling points, as well as the largest throughput hose and tubes for the least pressure drop across the system. The TF25 offers an economical choice, delivering added efficiency for minimal downtime. TF25 features include: reduced connections; rugged construction, with components created especially for CNG applications; and design that is compliant to building codes, DOT (Department of Transportation) parking lot specifications, and seismic- and wind-load standards. It is the only product of its kind on the market that comes with a flexible mounting concept that exceeds the toughest wind-load requirements of hurricane-prone areas of the United States. Also available are specially designed filter panels for oil and particulate filtration and smart sensing options for filter change, tank full, or error notification.

As the industry's only provider of complete industrial and fleet fuel dispensing solutions for high-flow, high-cycle CNG applications, Parker also offers a wide range of class-leading CNG dispenser kits, subsystems, and components to meet all customer needs and requirements. Parker leads the industry in the design and manufacture of multi-technology systems, subsystems, and components that filter, regulate, control, and convey CNG.

For more information regarding Parker's XF70 and TF25 CNG fleet fuel dispensing products, as well as other alternative fuel solutions, visit <http://solutions.parker.com/alternativefuels> or contact the Veriflo Division at 510-412-1100 or [ngv@parker.com](mailto:ngv@parker.com).

**About Parker Hannifin's Veriflo Division/Instrumentation Group:** Veriflo is a leading manufacturer of precision diaphragm and bulk gas valves, regulators, and flow control components for the control and application of liquids and gases.

**About Parker Hannifin:** With annual sales of \$13 billion in fiscal year 2014, 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 57,500 people in 50 countries around the world. Parker has increased its annual dividends paid to shareholders for 58 consecutive fiscal years, among the top five longest-running dividend-increase records in the S&P 500 index. For more information, visit the company's website at [www.parker.com](http://www.parker.com), or its investor information website at [www.phstock.com](http://www.phstock.com).

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