

## Fetterolf Assists in Slurry Loop Reactor Project for Wooyang/Chevron Phillips

Published: May 27, 2015 1:01 p.m. ET

PYEONGTAEK, South Korea, September 19, 2013 – Wooyang HC Co., Ltd., placed a significant order with Fetterolf Corporation for the provision of Piston drain valves. The valves are to be used in Chevron Phillip’s slurry loop reactor. The loop reactor, produced by Wooyang HC Co, Ltd., was later supplied to Chevron Phillips’ Sweeny Refinery in Texas.

Wooyang HC Co., Ltd.’s manufacturing of the slurry loop reactor for Chevron Phillips, utilizing Fetterolf’s valves, will be used by Chevron Phillip’s to produce polypropylene, a component vital in the formulation of plastic products. Chevron Phillips is a major producer of both polypropylene and polyethylene and uses state of the art loop reactor technology of which Fetterolf valves are a crucial element.

Following inspection and tests executed on May 9<sup>th</sup>, 2014, and July 10<sup>th</sup>, 2014, the Piston valves successfully passed inspections and were shipped later that year. The primary form of Piston valve emerging from the project’s development was the Fetterolf Ram-Seal Valve, with an extended body.

What distinguishes Fetterolf’s patented Ram Seal Piston design is the resilient seal design that is mounted on the Ram Seal’s plunger, which travels with the plunger through its stroke. This feature, which is unlike any other, gives the Ram-Seal Piston valve a Class VI sealing. The special extended body of Fetterolf’s Ram Seal Piston valves is contoured to match the inner diameter of the reactor wall, eliminating potential polymer build up. This contour was achieved by producing 3D printed models of the valve bodies that were tested in the loop reactor prior to manufacturing of the final valves.

Fetterolf’s innovative Ram-Seal design and extensive experience in providing valves for Polypropylene service for over 40 years explain why Fetterolf is the supplier of choice for loop reactor service.

**About Fetterolf:** Fetterolf Corporation ([www.fetterolfvalves.com](http://www.fetterolfvalves.com)) is a global manufacturer of valves for the chemical, petrochemical, oil, gas and off shore industries. With over 1 million valves delivered to over 60 countries in over 45 years, Fetterolf has an extensive client list, which includes but is not limited to BP Chemical, Exxon Chemical, DuPont, Merck, Mitsubishi, Chevron, Shell, Sabic, and more.