

First Delivery of Gas over Oil Actuator Driven Ball Valves



PSS successfully delivered and commissioned 30" Trunnion Mounted Welded Body API 6D Class 900 ball valves to a major PTT company. This valve was installed on a hot tapped pipeline which would de-bottleneck the main pipeline where an existing Perar Ball Valve is already installed.

PSS has regularly supplied Perar API Ball Valves to PTT for the past few years. However this is the first time PSS has supplied a gas over oil hydraulic actuator in Thailand. For this project, Perar worked closely with Rotork Italy on their GO Range of pipeline actuators. A factory acceptance test was done at Milian in Perar's factory and a site acceptance test was done in PSS facility in Rayong together with PTT representatives and Rotork engineers.

For this project, Perar's ball valve technology was a key highlight. The ball of trunnion mounted configuration is supported by bearing plates held by the end adaptors. In such a way the pressure loads are transferred to the valve body granting a smooth rotation of the ball with low torque levels and reduced seat seal wear. The fully welded is designed to make sure that the potential leak paths are minimized making them suitable for buried installations and in general for gas transportation.

These valves were successfully commissioned in PTT a few months back.

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