

BP Rumaila Oil Field

Location

Basra, Iraq

Project

Gate valves for water injection
& filter tanks / settling tanks

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BP Rumaila Oil Field in Basra Iraq, is the largest oil field in Iraq and second largest in the world, with average daily production of 1.35 million barrels. BP have been involved since 2010 in a major Rumaila Oil Field redevelopment program, which included a large valve replacement program of 88 electrically actuated metal seated gate valves in sizes DN400 to DN1200, with pressure ratings up to PN25. The gate valves are used for isolation on water injection, filtration tanks and settling tanks.

These ductile iron gate valves were provided to British and DIN Standards but with customised face to face dimensions and flanging compatible with existing pipework for easy replacement of old Russian valves.

The valve order was supplied from Utilities Valves. A local partner company in Iraq provided the actuation commissioning services, although the actuators had been previously being mounted and tested in Utilities Valves's factory with valve full open / shut differential pressure rating to witness test performance, before shipping to site.



Utilities Valves gate valve opening by electrical actuator, under full 25 bar differential rated pressure.

Utilities Valves large metal seated gate valves are 100% drop tight with lapped matched seats, and bronze channel guides for accurate low torque seating.

For this project a total of 88 valves were supplied in sizes from DN400 to DN1200 and pressure ratings up to and including 25 bar.