

Anval wins Major Expansion with Proven Reliability

Anval Valves formed in December 2008 as a sister of ANSAC, a wholly owned Australian company that specializes in the development, design, manufacture and supply of quality engineered equipment for applications in the industrial and mining market.



Global silicon producer Simcoa have recently selected the Anval Rotary Floating Shoe (RFS) for some of their toughest duties at their Western Australian Plant. The Simcoa site based 2 hrs south of Perth close to Bunbury is undergoing a major expansion of its operations. The plant runs 24/7 and like any successful operation needs to minimize unforeseen breakdowns and stoppages in production. One area of concern for the new expansion was the reliability of another brand of rotary valves which the plant had been using over the last decade. The valves in question were a unique fabricated type which were subject to high wear and subsequent leakage within the process line. Up to three times a year these valves would require workshop maintenance involving total disassembly and re-machining of vital elements.

Anval was invited to provide a technical solution to counter these on-going maintenance issues and furnish Simcoa with a long term fix to the existing operation and the plant expansion. Anvals Engineers studied the situation in collaboration with the Simcoa team and selected the heavy duty RFS Valve to deal with this challenging process situation. A RFS unit was installed at the Simcoa plant in June 2010 in the cyclone discharge handling silica fume. Over the 12 month period this valve was monitored

and analysed by Anvals engineers to gauge any abrasion or loss of functionality in its installed duty.

The installation of this valve has been a tremendous success and the original valve has lasted for over 14 month without any maintenance or adjustment. Mr Drew Harris, Project Manager for the Simcoa expansion said “Early indications of the performance of the Anval RFS exceeded expectations such that we have purchased over 20 of these high performance units for our plant expansion.”

The chronic failures of the original branded valves have now been alleviated and the Simcoa site has selected the Anval RFS as the valve of choice in its current expansion and future replacement within the existing process plant.

Mr Danny Griffin General Manager of Anval Australia commented “We have always prided ourselves on the reliability and durability of the RFS range of valves. We were confident that their sturdy and simple construction would be ideal for this abrasive environment.” Particularly pleasing in this project has been the close cooperation of Anval and Simcoa’s Engineers thoroughly accessing the process conditions and data to ensure a long term success for their operation.