

Tyco Water manufactures a comprehensive range of resilient seated gate valves from DN80 to DN600 in accordance with AS2638.2.

When Standards Australia WS/22 Committee first met in the 1980's to discuss the inclusion of resilient seated valves into the AS2638 Standard it found that various international standards included predominantly prescriptive details for resilient seated valves but were lacking in inclusion of satisfactory type tests to verify performance.

Clearly this was of some concern to Committee members as they were seeking assurance that the various valve designs were adequate for satisfactory performance over extended periods. Of particular importance was the requirement to prove that neither the rubber coating on the gate nor the polymeric coating on the inside of the body would be abraded during operation of the valve under pressure. There was also a need to demonstrate that the valve components were of sufficient strength to withstand anticipated operating conditions.

The 1991 version of AS2638 was published with similar content to that of the International Standards, however it was agreed that work would be carried out to establish performance tests for inclusion in future revisions of the Standard.

Tyco Water undertook an active role, working with Sydney Water, to develop a series of Type Tests to demonstrate performance for each particular valve design. These tests were incorporated into Sydney Water specifications as they were developed, and culminated in inclusion of the tests into AS2638.2.

Clearly the design and performance characteristics of resilient seated gate valves have evolved over many years. Tyco Water has been actively involved in a continual product improvement programme and its resilient seated gate valve design is now world class. The Type Test regime specified in AS2638.2 has been satisfied for each size of Tyco Water gate valve from DN80 - DN600, as evidenced by the product schedule attachment to the AS2638.2 Product Certification licence.

Specifiers may wish to verify that other manufacturer's gate valves have similarly demonstrated conformance to the AS2638.2 Type Test regimes for their particular product range. This can be verified by sighting the manufacturers AS2638.2 Product Certification product schedule.

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