



## RESILIENT SEATED GATE VALVES FREQUENTLY ASKED TECHNICAL QUESTIONS.

The questions below are just a sample of those encountered; further technical information is available upon request.

Question	Answer
What is the size range?	DN 50-400mm S21 small Valves DN450-600mm S55 large valves
What other types of gate valves are there?	Metal Seated – small S37 and large S54. S702 Knife Gate Valves, S75 & 756 Butterfly Valves
What is the closure?	Clockwise to open or to close denoted by coloured plugs in the spindle White + CC, Red CWO
Method of operation?	Ring-key and bar, t- key, hand wheel, extension spindle, Headstock, Electric actuator (not modulating).S21/01 ISO top – Gearbox (bevel or spur).
Are they certified for use with drinking water?	Yes fully WRAS approved
Medium	Potable Water, Raw Water, Waste Water and Sewage. Neutral liquids
What is the maximum level of suspended solid it can tolerate?	Up to 10%. Refer to knife gate valves if greater.
Can other chemicals in the water damage the valve or components?	This depends on the proximity of the valve to the chemical location and the dilution of the chemical into the water. The nearer the valve the greater the risk - seek further technical advice.
Valve location.	Gate valves must not be used at the end of line S21/50 – buried service, S21/75 above ground.
What is the operating cycle of the valve (how often can it be opened or closed)	BS5163 specifies 2 to 3 times a year to achieve a 50 year cycle. For more frequent use an eccentric plug or knife gate valve. Clarification should always be sought when actuation is required.
Lead times	S21/50 – 2 weeks. S21/58 8-20 weeks, S21/75 2 or 16 weeks, S55 – 2 weeks, S21/01 2 – 8 weeks, S21/60 8 – 20 weeks.
Special features / key points.	All AVK gate valves meet their relevant BS EN or EN standards, all WRAS approved, manufacture in the UK, local technical support and competencies. Carbon footprint – each S21 valve has its own carbon record. The wedge is unique, robust, reliable & durable – seek further information or see brochure.
Maximum operating pressure -standard	Up to 16 bar, 25 bar test. 25 bar available S21/60.