



**AVR**

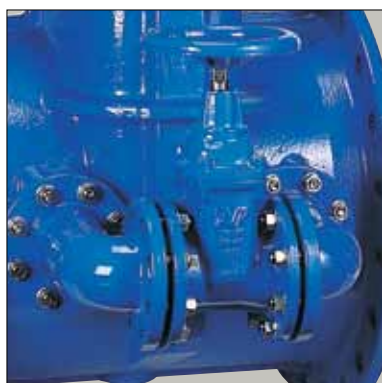
# A new valve generation



## The sizes DN 450, 500 and 600 range of high quality gate valves

Unlike most other large dimension gate valves, the AVK valves feature a resilient seated rubber wedge in a unique design that ensures a low operation torque and enables the valves to be operated with a simple handwheel even at full differential pressure.

The resilient seated wedge and the corrosion protected valve body are some of the main components to ensure long life of our valves. And in addition there are a number of build-in design features in order to make AVK gate valves the preferred choice for our customers.



### Features:

- **Full and straight bore** to nominal diameter for minimum head loss and elimination of deposits in the valve.
- **Wedge fully vulcanised** with drinking water approved EPDM rubber that absorbs minor particles ensuring 100 % drop tight closure.
- **Fixed wedge nut** design to minimise vibrations and protect against corrosion.
- **Low closing torque** through a unique wedge design and polyacetal guide rails for essential cost saving by simple handwheel operation.
- **Guide rails** in the body and wedge protected with a polyacetal shoe that comply with EN 1074-2, 2500 operations.
- **Easy to operate** free running torque due to double ball bearing design at the spindle gasket system.
- **Standard ISO top** flange with keyway makes retro fitting of a gearbox with electrical actuator possible.
- **Large drain hole** in the bottom of the wedge protecting against the build-up of deposits in the wedge chamber.
- **High quality epoxy** coating applied according to DIN 30677 and GSK regulations.
- **A triple sealing** system consisting of 2 O-rings and a large manchette seal against internal pressure, and a wiper ring to protect external contamination.
- **Body bonnet gasket** in a recess surrounds the bolts protecting against blow-out and securing against corrosion.
- **DN 50 by-pass** is offered for slow filling and discharging to enable outbalancing of the differential pressure.



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410630AB / 2011-09-30