

GATE VALVES, SLUICE GATES AND FLAP VALVES

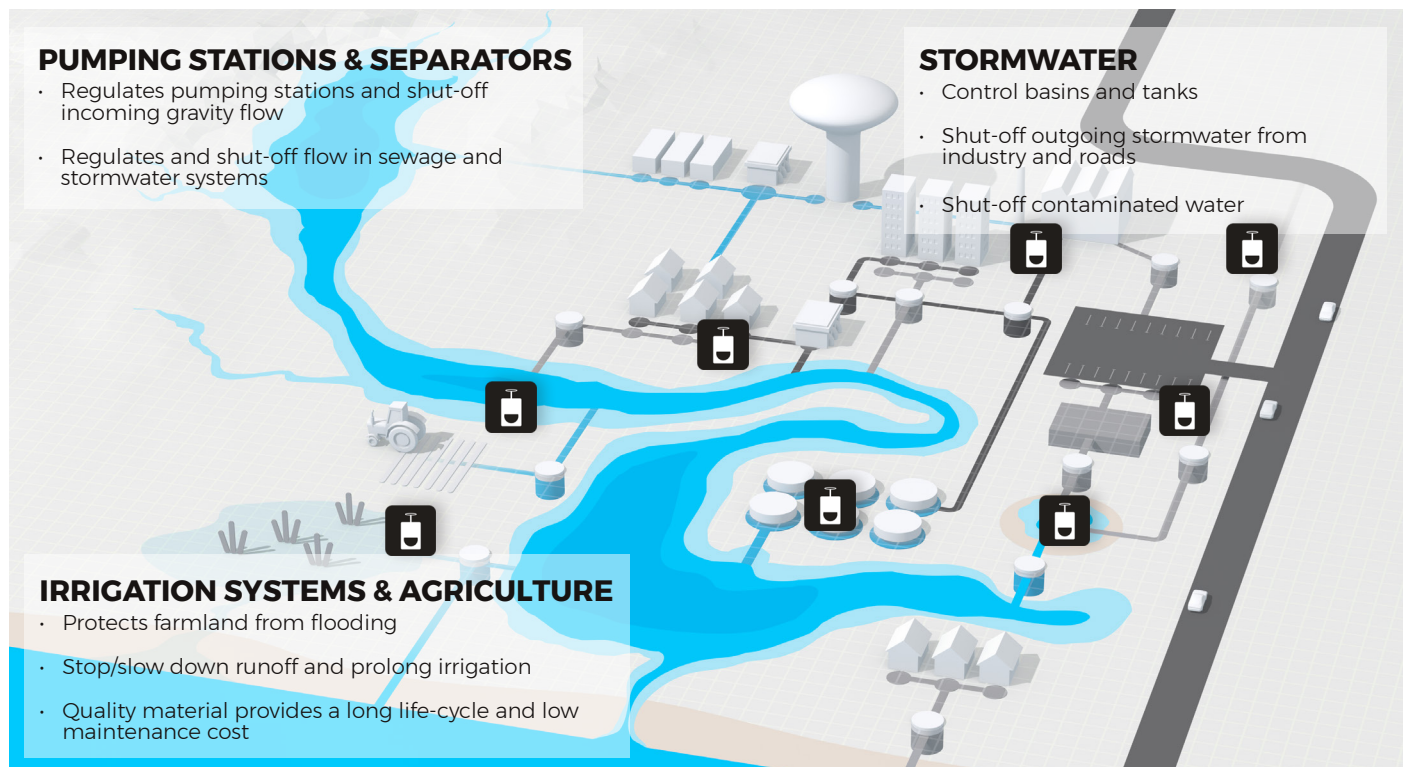
It is devastating if environmentally hazardous substances reach our stormwater, recipients, pastures or water sources. With our solutions you ensure emergency shut-off of roads run-off following an accident or industrial applications. Our solutions can also shut off incoming pipes in pumping stations to facilitate straightforward operational and maintenance work to ensure safety.

Wapro's core competence is stormwater and wastewater technology, and flow regulation in gravity systems. We offer complete solutions with gate valves, sluice gates, flap valves, shut-off valves, check valves and flow control devices all of which can be adapted to fit existing or new systems.

Our WaGate product range consists of gate valves, sluice gates and flap valves for flow control with corrosion free and non-polluting HDPE, EPDM and stainless steel. The valves can be customized with electric, pneumatic or hydraulic actuators.



AREA OF USE





WAGATE GATE VALVES

WaGate gate valves can be installed inline on stormwater and wastewater networks. The most common applications are to isolate run-off from roads in the case of accidents, or close off incoming flow in pumping stations during maintenance.

Regulations and demands placed on industrial plants require that operators can quickly isolate and shut-off pipe networks in case of contamination. WaGate is the perfect solution in such cases.

Is available in different models in sizes DN100-1200. Other sizes on request.



WAGATE SLUICE GATES

WaGate sluice gates can be installed in individual chambers, pumping stations or treatment plants. A common area of use is as an emergency shut-off beside roads to prevent environmentally hazardous substances from contaminating water sources, pastures and arable land.

WaGate is also used in the event of an accident shutdown, as an oil separator and to handle extinguishing agents.

Is available in different models in sizes DN200-1400. Other sizes on request.



WAGATE FLAP VALVES

WaGate flap valves prevent backflow for stormwater and waste water in pipe systems, chambers and basins.

Used in ports, rivers and coastal areas and in the agricultural sector as well as for aquaculture.

Is available in different models in sizes DN100-1600. Other sizes on request.



WAGATE INSTALLATION IN WATER TREATMENT PLANT IN GREAT NECK

The Great Neck Water Pollution Control District (GNWPCD) is a special commissioner-run district within the Town of North Hempstead. The GNWPCD has been in operation since 1915 and serves more than 25,000 residents.

When a new environmental goal was set by the New York Department of Environmental Conservation requiring nitrogen removal on effluent, a project to upgrade the Great Neck Water Pollution Control District was started. The scope of the project increased the plant's daily capacity from 3.8 MGD to 5.3 MGD to meet the new increased system demands of the village of Great Neck.

During the removal and abandonment of one of the primary settling tanks a new 36" by pass line had to be installed.



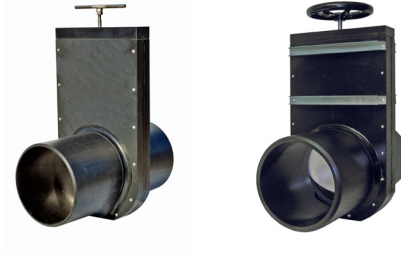
Having worked together previously, Bancker Construction, the contractor, inquired Wapro about possibly utilizing a WaGate on this application. After meetings between Wapro, the owner GNWPCD, engineer and contractor the WaGate product was approved.

The selected and approved product was a 36" WaGate SVM-TG with a 2" square nut operator. The valve was manufactured with eccentric flanges and special dimensions to accommodate the required lay length. Another added benefit of the WaGate is the HDPE and stainless steel construction which makes the valve suitable for corrosive environments as well contributing to its light weight.

The 36" WaGate weighed just 550 pound where other traditional cast iron gate valves weigh closer to 8,000 pounds. After approval, the valve was delivered to the site in just 4 weeks and the project could move ahead without any material delay. This was a welcome relief for everyone involved. Installation completed May 2021.



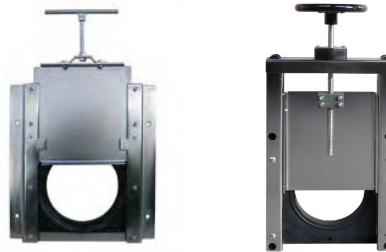
WAGATE® GATE VALVE



ADVANTAGES OF WAGATE® GATE VALVE

- Corrosion-proof and non-polluting HDPE, EDPM and 316 Stainless Steel. Which retains functionality and leads to a long life expectancy
- 100% open port with self-cleaning pocket which ensures completely sealed plate
- Easy installation, which reduces costs
- Multiple mounting options, sleeve, flange or butt welding
- Highest quality materials
- Low operation and maintenance cost
- Operated manually with handwheel. Can be supplied with electric, pneumatic or hydraulic actuators.

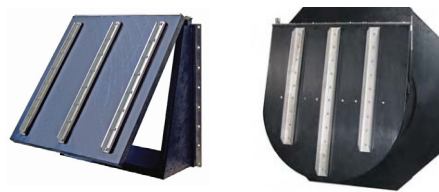
WAGATE® SLUICE GATE



ADVANTAGES OF WAGATE® SLUICE GATE

- Corrosion-proof and non-polluting HDPE, EDPM and 316 Stainless Steel. Sustainable products with no risk of deformation
- Non-welded parts. Easy cleaning and easy maintenance.
- Non-rising spindle, reduces area required for gear
- Max pressure: up to 14 psi on request
- Available for two-sided pressure
- Low operation and maintenance cost

WAGATE® FLAP VALVE



ADVANTAGES OF WAGATE® FLAP GATE

- Can be mounted below the water surface
- Corrosion-proof materials
- UV-resistant
- HDPE and 316 Stainless Steel
- High reliability
- Easy to install