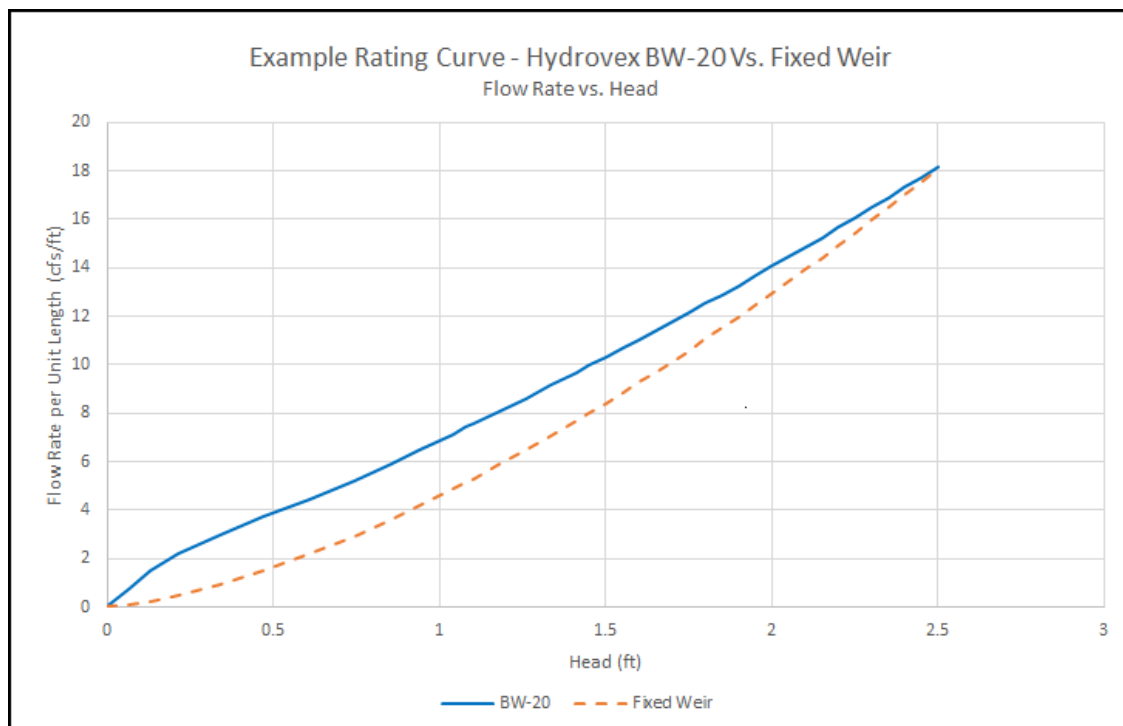


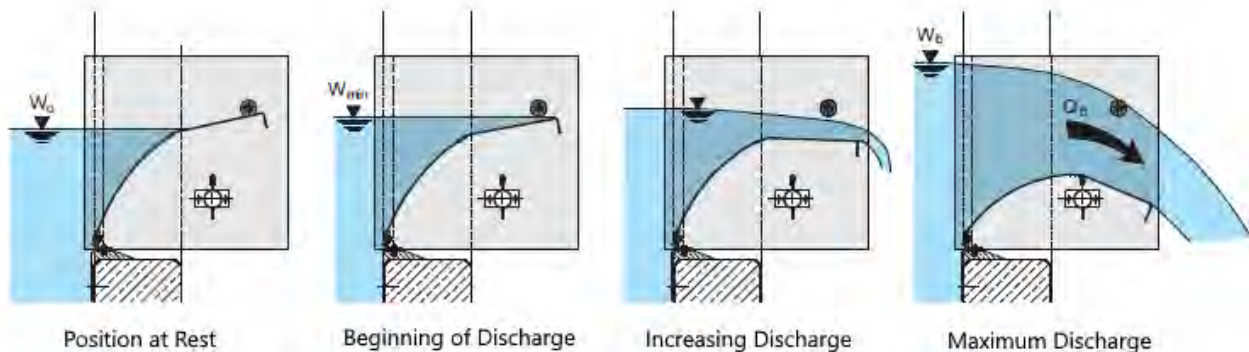
Hydrovex® BW Bending Weir

The Hydrovex® BW series Bending Weir is hydraulically more efficient than a traditional, fixed weir. As the upstream water level rises above its crest, the Hydrovex® BW bends downward, increasing the effective head on the weir and increasing the flow rate. As water levels recede the weir bends back to its initial position.



Sample rating curve not to be used for design purposes. Contact 2gH Solutions LLC for a custom configured rating curve tailored to meet your specific project needs.

Hydrovex® BW Bending Weir



The Hydrovex® BW series Bending Weir works solely on water pressure and has no mechanically engaged parts. Its pre-stressed, 304 stainless steel bending sheet is pre-mounted in a self-contained frame for fast and easy installation in structures and bulkheads. Stops are provided to prevent the BW from bending beyond its design limit, which assures a long service life and little to no required maintenance.

The Hydrovex® BW series Bending Weir is an ideal solution for the following design problems:

- Decreasing the length of weir required where installation space is limited.
- Reduction of volume required for shallow detention storage systems such as wet detention in high groundwater areas, arch chamber systems, pipe storage systems, or infiltration/exfiltration trench systems.
- Maintaining the variation of upstream head in a limited range for flow splitting applications.

