



Weighted Flap Valves:

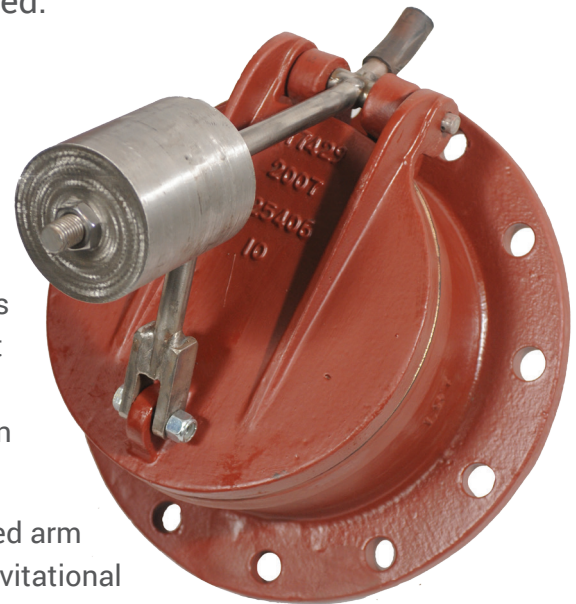
What You Need to Know Before Ordering

Troy Valve offers both Standard Flap Valves and Weighted Flap Valves that allow water or other fluids to flow from your pipe but close automatically to prevent sticks, leaves, or other debris from entering through the valve. Flap valves open under pressure but close again when pressure from outfall fluid is relieved.

When Do I Need a Weighted Flap Valve?

Weighted Flap Valves provide added resistance to the valve lid and are intended for applications where the valve is mounted at an angular offset from the normal, vertical-flange orientation. In these cases, the lid of the valve will remain open due to gravitational pull.

A weighted flap valve incorporates a cantilevered arm with an adjustable weight to counteract the gravitational pull on the lid. This causes the valve to remain closed under normal conditions when there is no fluid flowing through the pipe but to retain the sensitivity to open when fluid flow resumes.



Standard Features of Troy Valve Weighted Flap Valves:

- **Adjustable counterweight** allowing flexibility in the field
- **Mechanical stop** to prevent the lid from over-rotating in the case of pump discharge applications
- **Cast iron design** has less potential for failure over time than valves with fabricated parts
- **Machined bronze-to-bronze seating** provides a durable seating surface to accommodate the fact that the valve may close on debris and still provide adequate seating. Contact us with your pump discharge applications.
- **Two part epoxy coating** for lasting protection against corrosion
- **Stainless steel hinge & cotter pins** to prevent corrosion that could lead to sticking.

Before You Order:

Does the pipe on which you want to install the Weighted Flap Valve run vertically or horizontally?

- A **horizontal pipe (vertical flange)** will require a **vertical-mount valve**.
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What is the degree of offset?

The **size of your pipe, and the degree of offset** of the flange, will determine the amount of weight that we will add to your valve. We want to provide just enough weight to keep the valve closed when fluid is not flowing through it.

What is the size of the pipe?

Troy Valve makes Weighted Flap Valves in sizes from 3"-30".

Please be prepared to provide all of these specifications prior to submitting your order or request for quote to Troy Valve. Thank you.

Please contact us at sales@penntroy.com for more information.

