

THE NEW INDUSTRY STANDARD

Vari-flow Valves & Screens

- Optimize performance
- Reduce downtime
- Save money
- Eliminate maintenance



AN ATLAS  SSI COMPANY

Vari-Flow COOLING TOWER VALVES

The Vari-Flow distribution valve is a **direct replacement valve for all existing crossflow cooling tower distribution valves**. The valve has been designed with a superior internal guide system that supports the stem and disc throughout its' full length of travel.

ADVANTAGES OF VARI-FLOW COOLING TOWER VALVES

1 Improved Cooling Tower Performance

All existing crossflow cooling tower distribution valves can be directly replaced with an optimized option that eliminates the need for constant maintenance. Vari-Flow valves also offer a **30% larger discharge area with a 40% reduction in weight** when compared to traditional distribution valves. Vari-Flow is the new industry standard.

2 Positive Shut-Off Function

Along with the internal guide system which centers the disc and places the disc surface parallel to the seating face, an improved gasket system **allows complete and positive shut-off of the water stream** without the persistent leaking associated with conventional valves.

3 Reduce Costly Downtime for Repairs

With Vari-Flow's superior internal guide system, the stem and disc support the water's full length of travel through the internal tracking system. While conventional valves tend to excessively wear due to movement created by the water's turbulence, **Vari-Flow valves balance the water flow throughout the cooling tower, optimizing its overall performance.**



Vari-Flow TRAVELING SCREENS

Vari-Flow cooling tower screens are highly engineered screens designed to **keep exchangers free of debris**, eliminate the need for screens to be removed for cleaning, and offer a simple “backflush” system that only requires one operator to **clean the screen in a matter of minutes**.

WHY VARI-FLOW SCREENS ARE THE SUPERIOR COOLING TOWER SCREEN OPTION

Design & Construction

Vari-Flow traveling sump screens are designed to require no lubrication or maintenance. Because they are manufactured with U.H.M.W. plastic and durable stainless steel, the specific **maintenance needs of traditional stationary screens are no longer necessary**.

Operational Advantages

The flaw with traditional fixed screens is that they allow debris to enter the pump's suction pits. Cooling tower sump screens are intended to protect both the circulation pumps and the downstream exchangers. Using traveling screens instead of fixed screens can **prevent pump repairs and heat transfer losses caused by debris**.

Maintenance Benefits

Vari-Flow's traveling cooling tower screens end the myth that exchanger fouling is a standard part of regular maintenance. The screens never have to be removed for cleaning and the exchangers remain free of debris. The back-flush cleaning system only requires **one operator and two minutes to clear a screen**.

STATIONARY SCREENS FOR LOW FLOW OR LIGHT DEBRIS-LOADING APPLICATIONS

- Cost-effective solution to protect your equipment
- Contain a debris scoop to capture debris
- Pump and condenser protection from blowdown, windblown debris, and degrading tower elements

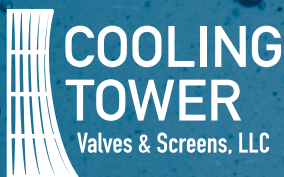


THE SIMPLE REPLACEMENT SOLUTION

Cooling Tower Valves and Screens, LLC manufactures and distributes a complete line of superior cooling tower components.

In order to provide facilities across a variety of industries with the ability to mitigate repairs, maintenance, and costly downtime, CTVS has designed high-performing, sophisticated valves, and screens. These Vari-Flow products can easily replace existing components, and immediately provide the optimized performance that your cooling towers need.

Keep your cooling tower systems optimized and running efficiently with Vari-Flow's cooling tower screens and valves.



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