

CTS – Inline Filters



Cooling Technology's line of CTS inline filter strainers provides a high level of water filtration to keep your processes operating at peak efficiency.

Manufactured from stainless steel components, the CTS filters are available in sizes to handle flow rates from 100 gpm to 2,000 gpm.

SUPERIOR BY DESIGN

The CTS stainless steel inline filter strainer ensures that your chilled water system is free of contaminants.

We highly recommend water filtration on all chilled water systems. Chilled water systems, by nature and design, are prone to capture solid particulate if the water is subjected to "contact cooling" such as plastic extrusion process or spray cooling.

There may also be particulate in aging piping systems that may come out loose if a new process cooling system is installed to supply high flow to process. The particulate easily migrates with water that circulates down stream to your process equipment.

This contaminated water plugs heat exchangers, damages solenoid valves, blocks mold passages, fouls heat transfer surfaces at process water cooling equipment such as water chillers and temperature control units.

While different types of systems exist in the market, some stand out above the rest. We offer one such filtration system for your review, our CTS. Its major features are:

- High Quality Stainless Steel Construction
- Industry's Lowest Pressure Loss
- Patented, Low Maintenance Design
- Space Saving Profile
- Reduces Operating Costs
- 100% filtration (full flow)

The CTS operates with less than a 1-PSI pressure loss at maximum flow when clean. This efficiency results in dependable filtration without constricting.

your system's flow rate or causing unnecessary pressure loss due to downstream equipment.

The filter's internal flow patterns are responsible for making our unique product so effective. As liquid flows up through the internal riser pipe and deflects off the inner surface of the conical shaped screen, heavy sediment is forced downward, away from the screen, into the large debris reservoir.

Unlike traditional basket strainers, y-strainers or bag filters, the CTS can be flushed while online and in service. Settled debris is easily removed by purging through the debris flush port.

The CTS has significantly more surface area than most traditional basket and y-strainers. With units available with connection sizes from 2 inches to 10 inches, screen sizes from 16 to 200 Mesh accommodating flow rates up to 2,000 GPM (higher flow rates are achieved by manifolding multiple strainers),

OPTIONS

Pressure Differential Alarm This alarm package continually monitors the inlet and outlet system pressure. When the filter screen becomes clogged, the pressure differential switch-gauge will trigger an audible siren and visual flashing alarm. These alarms are intended to alert maintenance personnel that the strainer screen needs to be removed and cleaned.

Automatic Flush Timer This system will ensure that your strainer is always flushed. By using a dirty water diaphragm valve and a timer based valve controller, debris purging is automated. The timer controller is easy to use, water-resistant and can be powered with 9-volt batteries or AC power.